Listed below are known citations to the NASA Socioeconomic Data and Applications Center (SEDAC) *Gridded Population of the World (GPW) v4* data collection. The data collection, and specific data set (if known), being cited are beneath each citation. Citations to multiple collections/sets are listed on separate lines. If a publication cites remotely sensed earth observation data, whether from NASA or another source, those instruments and/or platforms are listed as well.

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vulnerability regarding the rise of sea level: case study in Ilha Grande Bay, Rio de Janeiro, Brazil.
Natural Hazards, 107, 53-72. doi:10.1007/s11069-021-04573-4

Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Archer, E. J., Baker-Austin, C., Osborn, T. J., Jones, N. R., Martínez-Urtaza, J., Trinanes, J., . . . Lake, I. R. (2023). Climate warming and increasing *Vibrio vulnificus* infections in North America. *Scientific Reports, 13*(1), 3893. doi:10.1038/s41598-023-28247-2
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
Population Dynamics (Georeferenced U.S. County-Level Population Projections, Total and by Sex, Race and Age, Based on the SSPs, v1)

Archila Bustos, M. F., Hall, O., Niedomysl, T., & Ernstson, U. (2020). A pixel level evaluation of five multitemporal global gridded population datasets: a case study in Sweden, 1990–2015. *Population and Environment, 42*, 255-277. doi:10.1007/s11111-020-00360-8
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H
POPGRID

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Gridded Population of the World (GPW) v4.11 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1.01 (settlement points)

Armand, A., Gomes, J. F., & Taveras, I. K. (2019). *Managing Agricultural Risk in Mozambique*. Retrieved from London: https://www.theigc.org/project/managing-agricultural-risk-in-mozambique/
Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (DMSP-OLS)

Arnold, T., He, J., Jiang, W., Calder, M., Cunha, I., Giotsas, V., & Katz-Bassett, E. (2020). *Cloud provider connectivity in the flat Internet*. Paper presented at the Proceedings of the ACM Internet Measurement Conference. https://doi.org/10.1145/3419394.3423613
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (collection)

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Gridded Population of the World (GPW) v4 (population count)

Asare, E., Mantyka-Pringle, C., Anderson, E., Kenneth, B., & Clark, R. (2022). Evaluating ecosystem
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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
Gridded Species Distribution (Amphibians 2015) - 10.7927/H4RR1W66
Gridded Species Distribution (Mammals 2015) - 10.7927/H4N014G5

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Gridded Population of the World (GPW) v4.10 (population density)

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
NASa REMOTE SENSING (MODIS)

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        considerations for use of routine health information system data to evaluate malaria program
        impact in an era of declining malaria transmission. *The American Journal of Tropical Medicine
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Gridded Population of the World (GPW) v4 (collection)

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        nance-to-compete-with-china-a-subnational-analysis-16355/
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

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NASA REMOTE SENSING (SeaWiFS Ocean Color)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB

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Gridded Population of the World (GPW) v3 (population count)
Gridded Population of the World (GPW) v4 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

Augusto Hernandes Rocha, T., Grapiuna de Almeida, D., Shankar Kozhumam, A., Cristina da Silva, N., Bárbara Abreu Fonseca Thomaz, E., Christine de Sousa Queiroz, R., . . . Ricardo Nickenig Vissoci, J. (2021). Microplanning for designing vaccination campaigns in low-resource settings: A geospatial artificial intelligence-based framework. *Vaccine, 39*(42), 6276-6282. doi:10.1016/j.vaccine.2021.09.018
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
POPGRID

Avogadro, N., & Redondi, R. (2023). Diverted and induced demand: Evidence from the London-Paris passenger market. *Research in Transportation Economics, 100*, 101304. doi:10.1016/j.retrec.2023.101304
Gridded Population of the World (GPW) v4.11 (unspecified)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
REMOTE SENSING (Quickbird 2)
REMOTE SENSING (WorldView-2)

Aximoff, I., Carvalho, W. D., Romero, D., Esbérard, C. E. L., Guerrero, J. C., & Rosalino, L. M. (2020). Unravelling the drivers of maned wolf activity along an elevational gradient in the Atlantic

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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics) - 10.7927/H46M34XX
REMOTE SENSING (TROPOMI)

Azam, M. F., Kargel, J. S., Shea, J. M., Nepal, S., Haritashya, U. K., Srivastava, S., . . . Bahuguna, I. M.
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Gridded Population of the World (GPW) v4.11 (population density)

Baarsch, F., Granadillos, J. R., Hare, W., Knaus, M., Krapp, M., Schaeffer, M., & Lotze-Campen, H. (2020).
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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) -
10.7927/H4F47M2C

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Badr, H. S., Zaitchik, B. F., Kerr, G. H., Nguyen, N.-L. H., Chen, Y.-T., Hinson, P., . . . Gardner, L. M. (2023).
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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
NASA REMOTE SENSING (OMI NO2)

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Sciences, 7*(2), 48-55. doi:10.15604/ejss.2019.07.02.004
Gridded Population of the World (GPW) v4 (population density)

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Global Agricultural Lands (Cropland) - 10.7927/H4C8276G
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
Land Use and Land Cover (LULC) (Development Threat Index, v1) - 10.7927/61jv-th84
Global High Resolution Urban Data from Landsat (HBASE) - 10.7927/H4DN434S
NASA REMOTE SENSING (MODIS - MOD13Q1)
NASA REMOTE SENSING (SRTM)

Bai, H., Gao, W., Seong, M., Yan, R., Wei, J., & Liu, C. (2023). Evaluating and optimizing PM2.5 stations in
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Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)

Bai, H., Yan, R., Gao, W., Wei, J., & Seong, M. (2022). Spatial representativeness of PM2.5 monitoring stations and its implication for health assessment. *Air Quality, Atmosphere & Health, 15*, 1571-1581. doi:10.1007/s11869-022-01202-2
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (Advanced Himawari Imager)

Bai, Y., Arabadzhyan, A., & Li, Y. (2022). The legacy of the Great Wall. *Journal of Economic Behavior & Organization, 196*, 120-147. doi:10.1016/j.jebo.2022.01.010
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4.11 (documentation) - 10.7927/H45Q4T5F

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Gridded Population of the World (GPW) v4 (population density)
Last of the Wild v2 (Global Human Footprint (Geographic))
NASA REMOTE SENSING (MODIS - MCD12C1)

Bajpai, R., Shukla, V., Raju, A., Singh, C. P., & Upreti, D. K. (2022). A geostatistical approach to compare metal accumulation pattern by lichens in plain and mountainous regions of northern and central India. *Environmental Earth Sciences, 81*(7), 203. doi:10.1007/s12665-022-10336-6
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Baker, R. E., Yang, W., Vecchi, G. A., Metcalf, C. J. E., & Grenfell, B. T. (2020). Susceptible supply limits the role of climate in the early SARS-CoV-2 pandemic. *Science, 369*(6501), 315-319. doi:10.1126/science.abc2535
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MERRA-2)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

Balbi, S., Selomane, O., Sitas, N., Blanchard, R., Kotzee, I., O'Farrell, P., & Villa, F. (2019). Human dependence on natural resources in rapidly urbanising South African regions. *Environmental Research Letters, 14*(4), 044008. doi:10.1088/1748-9326/aafe43
Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H46T0JKB

Ballesteros, C., & Esteves, L. S. (2021). Integrated assessment of coastal exposure and social vulnerability to coastal hazards in East Africa. *Estuaries and Coasts, 44*(8), 2056-2072. doi:10.1007/s12237-021-00930-5
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (ASTER GDEM)

Ballesteros-González, K., Sullivan, A. P., & Morales-Betancourt, R. (2020). Estimating the air quality and health impacts of biomass burning in northern South America using a chemical transport model. *Science of The Total Environment, 739*, 139755. doi:10.1016/j.scitotenv.2020.139755
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MERRA-2)

Banerjee, O., Cicowiez, M., Malek, Ž., Verburg, P., Vargas, R., & Goodwin, S. (2020). *The Value of Biodiversity in Economic Decision Making: Applying the IEEM ESM Approach to Conservation Strategies in Colombia*. Retrieved from https://doi.org/10.18235/0002945
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93

Banerjee, P. (2021). Maximum entropy-based forest fire likelihood mapping: analysing the trends, distribution, and drivers of forest fires in Sikkim Himalaya. *Scandinavian Journal of Forest Research, 36*(4), 275-288. doi:10.1080/02827581.2021.1918239
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics) - 10.7927/H46M34XX
NASA REMOTE SENSING (MODIS - MOD13Q1)
REMOTE SENSING (Landsat)

Banzhaf, E., Bulley, H. N., Inkoom, J. N., & Elze, S. (2022). Mapping open data and big data to address climate resilience of urban informal settlements in Sub-Saharan Africa. *Climate, 10*(12), 186. doi:10.3390/cli10120186
Gridded Population of the World (GPW) v4.11 (population count)
Gridded Population of the World (GPW) v4.11 (population density)
Satellite-Derived Environmental Indicators (Global Urban Heat Island (UHI) Data Set, v1)

Bar, S., Parida, B. R., Mandal, S. P., Pandey, A. C., Kumar, N., & Mishra, B. (2021). Impacts of partial to complete COVID-19 lockdown on NO2 and PM2.5 levels in major urban cities of Europe and USA. *Cities, 117*, 103308. doi:10.1016/j.cities.2021.103308
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (TROPOMI)

Bar, S., Parida, B. R., Pandey, A. C., Shankar, B. U., Kumar, P., Panda, S. K., & Behera, M. D. (2023). Modeling and prediction of fire occurrences along an elevational gradient in Western Himalayas. *Applied Geography, 151*, 102867. doi:10.1016/j.apgeog.2022.102867
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (ALOS)

Barad, R., Fletcher, E. K., & Hillbruner, C. (2020). Leveraging existing household survey data to map livelihoods in Nigeria. *World Development, 126*, 104727. doi:10.1016/j.worlddev.2019.104727
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ
NASA REMOTE SENSING (SRTM)

Baragwanath, K., & Bayi, E. (2020). Collective property rights reduce deforestation in the Brazilian Amazon. *Proceedings of the National Academy of Sciences, 117*(34), 20495-20502. doi:10.1073/pnas.1917874117
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS - MOD44W)
REMOTE SENSING (DMSP-OLS)

Barber, R. A., Ball, S. G., Morris, R. K. A., & Gilbert, F. (2022). Target-group backgrounds prove effective at correcting sampling bias in Maxent models. *Diversity and Distributions, 28*(1), 128-141. doi:10.1111/ddi.13442
Gridded Population of the World (GPW) v4 (population density)

Barbet-Massin, M., Salles, J.-M., & Courchamp, F. (2020). The economic cost of control of the invasive yellow-legged Asian hornet. *NeoBiota, 55*, 11-25. doi:10.3897/neobiota.55.38550
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Barbier, E. B., & Hochard, J. P. (2018). Land degradation and poverty. *Nature Sustainability, 1*(11), 623-631. doi:10.1038/s41893-018-0155-4
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Gridded Population of the World (GPW) v4 (collection)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)

Barbour, A. J., Langbein, J. O., & Farghal, N. S. (2021). Earthquake magnitudes from dynamic strain. *Bulletin of the Seismological Society of America, 111*(3), 1325-1346. doi:10.1785/0120200360
Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

Barregard, L., Molnàr, P., Jonson, J. E., & Stockfelt, L. (2019). Impact on population health of Baltic shipping emissions. *International Journal of Environmental Research and Public Health, 16*(11), 1954. doi:10.3390/ijerph16111954
Gridded Population of the World (GPW) v4.11 (admin unit center points)

Basel, A. M., Simaika, J. P., Samways, M. J., Midgley, G. F., MacFadyen, S., & Hui, C. (2021). Assemblage reorganization of South African dragonflies due to climate change. *Diversity and Distributions, 27*(12), 2542-2558. doi:10.1111/ddi.13422
Gridded Population of the World (GPW) v4 (population count)

Batibeniz, F., Hauser, M., & Seneviratne, S. I. (2023). Countries most exposed to individual and concurrent extremes and near-permanent extreme conditions at different global warming levels. *EGUsphere, 14*(2), 485-505. doi:10.5194/esd-14-485-2023
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
Population Dynamics (Global One-Eighth Degree Population Base Year and Projection Grids Based on the SSPs, v1.01) - 10.7927/m30p-j498

Batista e Silva, F., Freire, S., Schiavina, M., Rosina, K., Marín-Herrera, M. A., Ziemba, L., . . . Lavalle, C. (2020). Uncovering temporal changes in Europe's population density patterns using a data fusion approach. *Nature Communications, 11*(1), 4631. doi:10.1038/s41467-020-18344-5
Gridded Population of the World (GPW) v4.11 (population count)

Bauer, J., Brüggmann, D., Klingelhöfer, D., Maier, W., Schwettmann, L., Weiss, D. J., & Groneberg, D. A. (2020). Access to intensive care in 14 European countries: a spatial analysis of intensive care need and capacity in the light of COVID-19. *Intensive Care Medicine, 46*, 2026-2034. doi:10.1007/s00134-020-06229-6
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Bauer, V., Reese, M., & Ruby, K. (2022). Does insurgent selective punishment deter collaboration? Evidence from the drone war in Pakistan. *Journal of Conflict Resolution, 66*(2), 297-326. doi:10.1177/00220027211041158
Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

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Gridded Population of the World (GPW) v4 (collection)

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NASA REMOTE SENSING (SRTM)
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Gridded Population of the World (GPW) v4 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Human Appropriation of Net Primary Productivity (HANPP) (collection)
Natural Disaster Hotspots (collection)
Last of the Wild v2 (collection)
NASA EOSDIS (Earthdata website)

NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (FIRMS)
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NASA REMOTE SENSING (MODIS)
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REMOTE SENSING (DMSP-OLS)

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DAAC

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NASA REMOTE SENSING (MODIS Active Fires)
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REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4 (unspecified)

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Dissertation, LMU Munich). Ludwig Maximilians Universität, Munich, Munich. Retrieved from
https://edoc.ub.uni-muenchen.de/23734/ (ediss:23734)
Gridded Population of the World (GPW) v3 (population density)
Gridded Population of the World (GPW) v4 (population density)
Population Dynamics (Global Estimated Net Migration Grids By Decade, v1)
NASA REMOTE SENSING (MODIS - MOD13C1)

Breckner, M., & Sunde, U. (2019). Temperature extremes, global warming, and armed conflict: new
insights from high resolution data. *World Development, 123*, 104624.
doi:10.1016/j.worlddev.2019.104624
Gridded Population of the World (GPW) v3 (population density)
Gridded Population of the World (GPW) v4 (population density)
Population Dynamics (Global Estimated Net Migration Grids By Decade, v1)

Bressler, R. D., Moore, F. C., Rennert, K., & Anthoff, D. (2021). Estimates of country level
temperature-related mortality damage functions. *Scientific Reports, 11*(1), 20282.
doi:10.1038/s41598-021-99156-5
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

Bretzler, A., Lalanne, F., Nikiema, J., Podgorski, J., Pfenninger, N., Berg, M., & Schirmer, M. (2017).
Groundwater arsenic contamination in Burkina Faso, West Africa: Predicting and verifying
regions at risk. *Science of The Total Environment, 584-585*, 958-970.
doi:10.1016/j.scitotenv.2017.01.147
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Brito, J. C., & Naia, M. (2020). Coping with sea-level rise in African protected areas: Priorities for action
and adaptation measures. *BioScience, 70*(10), 924-932. doi:10.1093/biosci/biaa087
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics) - 10.7927/H46M34XX

Brlík, V., Procházka, P., Hansson, B., Stricker, C. A., Yohannes, E., Powell, R. L., & Wunder, M. B. (2023).
Animal tracing with sulfur isotopes: Spatial segregation and climate variability in Africa likely
contribute to population trends of a migratory songbird. *Journal of Animal Ecology, 92*(7),
1320-1331. doi:10.1111/1365-2656.13848
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Brooks, N., Biswas, D., Hossin, R., Yu, A., Saha, S., Saha, S., . . . Luby, S. P. (2023). Health consequences of
small-scale industrial pollution: Evidence from the brick sector in Bangladesh. *World
Development, 170*, 106318. doi:10.1016/j.worlddev.2023.106318

Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

Brottrager, M., Crespo Cuaresma, J., Kniveton, D., & Ali, S. H. (2023). Natural resources modulate the nexus between environmental shocks and human mobility. *Nature Communications, 14*(1), 1393. doi:10.1038/s41467-023-37074-y
Gridded Population of the World (GPW) v4.11 (population count)

Brown, G., & Hausner, V. H. (2017). An empirical analysis of cultural ecosystem values in coastal landscapes. *Ocean & Coastal Management, 142*, 49-60. doi:10.1016/j.ocecoaman.2017.03.019
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Bruederle, A., & Hodler, R. (2017). *Nighttime Lights as a Proxy for Human Development at the Local Level*. Retrieved from Munich: https://www.cesifo-group.de/de/ifoHome/publications/working-papers/CESifoWP/CESifoWPde tails?wp_id=19333511
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (DMSP-OLS)

Bruederle, A., & Hodler, R. (2018). Nighttime lights as a proxy for human development at the local level. *PLoS ONE, 13*(9), e0202231. doi:10.1371/journal.pone.0202231
Gridded Population of the World (GPW) v3 (population density)
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (DMSP-OLS)

Buchholz, R. R., Park, M., Worden, H. M., Tang, W., Edwards, D. P., Gaubert, B., . . . Magzamen, S. (2022). New seasonal pattern of pollution emerges from changing North American wildfires. *Nature Communications, 13*(1), 2043. doi:10.1038/s41467-022-29623-8
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (MOPITT CO)

Bunte, J. B., Desai, H., Gbala, K., Parks, B. C., & Runfola, D. M. (2017). *Natural Resource Sector FDI and Growth in Post Conflict Settings: Subnational Evidence from Liberia*. Retrieved from Williamsburg VA: http://aiddata.org/natural-resource-sector-fdi-and-growth-in-post-conflict-settings-evidence-fro m-liberia
Gridded Population of the World (GPW) v4 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)

Bunte, J. B., Desai, H., Gbala, K. B., Parks, B. C., & Runfola, D. (2018). *Natural Resource Sector FDI, Government Policy, and Economic Growth: Quasi-experimental Evidence from Liberia*. Retrieved from London: https://www.theigc.org/wp-content/uploads/2018/04/Natural-Resource-Sector-FDI-cover.pdf
Gridded Population of the World (GPW) v4 (population density)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)

REMOTE SENSING (DMSP-OLS)

Burger, J. R., & Fristoe, T. S. (2018). Hunter-gatherer populations inform modern ecology. *Proceedings of the National Academy of Sciences, 115*(6), 1137-1139. doi:10.1073/pnas.1721726115
Gridded Population of the World (GPW) v4 (population density)

Burgert-Brucker, C. R., Dontamsetti, T., Marshall, A. M. J., & Gething, P. W. (2016). *Guidance for Use of the DHS Program Modeled Map Surfaces*. Retrieved from Rockville, MD: https://dhsprogram.com/publications/publication-SAR14-Spatial-Analysis-Reports.cfm
Gridded Population of the World (GPW) v4 (collection)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (VIIRS NTL)

Burke, M., Zahid, M., Diffenbaugh, N., & Hsiang, S. M. (2023). *Quantifying Climate Change Loss and Damage Consistent with a Social Cost of Greenhouse Gases*. Retrieved from https://doi.org/10.3386/w31658
Gridded Population of the World (GPW) v4.11 (population count)

Burkhardt, J., Bayham, J., Wilson, A., Carter, E., Berman, J. D., O'Dell, K., . . . Pierce, J. R. (2019). The effect of pollution on crime: Evidence from data on particulate matter and ozone. *Journal of Environmental Economics and Management, 98*, 102267. doi:10.1016/j.jeem.2019.102267
Gridded Population of the World (GPW) v4.10 (population density)
REMOTE SENSING (NOAA Hazard Mapping System (HMS))

Burrell, A. L., Evans, J. P., & De Kauwe, M. G. (2020). Anthropogenic climate change has driven over 5 million km^2 of drylands towards desertification. *Nature Communications, 11*(1), 3853. doi:10.1038/s41467-020-17710-7
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)
NASA REMOTE SENSING (AVHRR GIMMS)

Busch, J., & Amarjargal, O. (2022). 100 global bright spots of green growth: Co-occurrence of nighttime light gain and forest gain, 1990–2015. *Global Environmental Change, 75*, 102556. doi:10.1016/j.gloenvcha.2022.102556
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Bussi, G., Whitehead, P. G., Jin, L., Taye, M. T., Dyer, E., Hirpa, F. A., . . . Charles, K. J. (2021). Impacts of climate change and population growth on river nutrient loads in a data scarce region: The Upper Awash River (Ethiopia). *Sustainability, 13*(3), 1254. doi:10.3390/su13031254
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (Global Maps of Atmospheric Nitrogen Deposition, 1860, 1993, and 2050) ORNL DAAC
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (MERIS GlobCover)

Bussi, G., Whitehead, P. G., Nelson, R., Bryden, J., Jackson, C. R., Hughes, A. G., . . . Russell, I. (2022).

Green infrastructure and climate change impacts on the flows and water quality of urban catchments: Salmons Brook and Pymmes Brook in north-east London. *Hydrology Research, 53*(4), 638-656. doi:10.2166/nh.2022.013
Gridded Population of the World (GPW) v4 (population density)

Butt, E. W., Conibear, L., Smith, C., Baker, J. C. A., Rigby, R., Knote, C., & Spracklen, D. V. (2022). Achieving Brazil's deforestation target will reduce fire and deliver air quality and public health benefits. *Earth's Future, 10*(12), e2022EF003048. doi:10.1029/2022EF003048
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (China Brazil Earth Resources Satellite (CBERS))
REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-2)

Butt, E. W., Conibear, L. A., Reddington, C., L., Darbyshire, E., Morgan, W., T., Coe, H., . . . Spracklen, D., V. (2020). Large air quality and human health impacts due to Amazon forest and vegetation fires. *Environmental Research Communications, 2*(9), 095001. doi:10.1088/2515-7620/abb0db
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)

Byass, P. (2020). Eco-epidemiological assessment of the COVID-19 epidemic in China, January–February 2020. *Global Health Action, 13*(1), 1760490. doi:10.1080/16549716.2020.1760490
Gridded Population of the World (GPW) v4.11 (unspecified)

Byers, M., Wright, E., Boley, A., & Byers, C. (2022). Unnecessary risks created by uncontrolled rocket reentries. *Nature Astronomy, 6*, 1093-1097. doi:10.1038/s41550-022-01718-8
Gridded Population of the World (GPW) v4.11 (population density)

Cai, G., Zhang, J., Du, M., Li, C., & Peng, S. (2021). Identification of urban land use efficiency by indicator-SDG 11.3.1. *PLoS ONE, 15*(12), e0244318. doi:10.1371/journal.pone.0244318
Gridded Population of the World (GPW) v4 (population count)

Cai, Q., Zeng, N., Zhao, F., Han, P., Liu, D., Lin, X., & Chen, J. (2022). The impact of human and livestock respiration on CO2 emissions from 14 global cities. *Carbon Balance and Management, 17*(1), 17. doi:10.1186/s13021-022-00217-7
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
NASA REMOTE SENSING (MODIS)

Cai, W., Zhang, C., Zhang, S., Bai, Y., Callaghan, M., Chang, N., . . . Gong, P. (2022). The 2022 China report of the *Lancet* Countdown on health and climate change: leveraging climate actions for healthy ageing. *The Lancet Public Health, 7*(12), e1073-e1090. doi:10.1016/S2468-2667(22)00224-9
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Global Rural-Urban Mapping Project (GRUMP) v1.02 (urban extent polygons)
NASA REMOTE SENSING (MODIS)

Cai, X., Yan, Y., Li, S., Kong, S., Liu, M., & Zhang, Z. (2022). Trend reversal from source region to remote

tropospheric NO2 columns. *Environmental Science and Pollution Research, 29*, 15763-15776.
doi:10.1007/s11356-021-16857-0
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (OMI NO2)

Cai, Z., Tian, L., & Bowen, G. J. (2017). ENSO variability reflected in precipitation oxygen isotopes across
the Asian Summer Monsoon region. *Earth and Planetary Science Letters, 475*, 25-33.
doi:10.1016/j.epsl.2017.06.035
Gridded Population of the World (GPW) v4 (population count)

Cairns, S., & Chen, T. (2019). Cartographic technique and artifice: The case of the Chengdu Plain. In S.
Cairns & D. Tunas (Eds.), *Future Cities Laboratory: Indicia 02* (pp. 191-199). Zurich: Lars Müller
Publishers.
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted) -
10.7927/H49884ZR
Human Appropriation of Net Primary Productivity (HANPP) (collection)
Population Dynamics (Global Estimated Net Migration Grids By Decade, v1)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)
REMOTE SENSING (many)

Caldarola, B., Grazzi, M., Occelli, M., & Sanfilippo, M. (2023). Mobile internet, skills and structural
transformation in Rwanda. *Research Policy, 52*(10), 104871. doi:10.1016/j.respol.2023.104871
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Calderon, A., & Silva, V. (2022). Forecasting seismic risk within the context of the Sendai framework: An
application to the Dominican Republic. *International Journal of Disaster Risk Reduction, 82*,
103364. doi:10.1016/j.ijdrr.2022.103364
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) -
10.7927/H4F47M2C
Global Rural-Urban Mapping Project (GRUMP) v1 (National Identifier Grid) - 10.7927/H40K26HS

Calderón, A., & Silva, V. (2021). Exposure forecasting for seismic risk estimation: Application to Costa
Rica. *Earthquake Spectra, 37*(3), 1806-1826. doi:10.1177/8755293021989333
Gridded Population of the World (GPW) v4 (unspecified)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H

Caldwell, J. M., LaBeaud, A. D., Lambin, E. F., Stewart-Ibarra, A. M., Ndenga, B. A., Mutuku, F. M., . . .
Mordecai, E. A. (2021). Climate predicts geographic and temporal variation in mosquito-borne
disease dynamics on two continents. *Nature Communications, 12*(1), 1233.
doi:10.1038/s41467-021-21496-7
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (MODIS)

Calka, B., & Bielecka, E. (2020). GHS-POP accuracy assessment: Poland and Portugal case study. *Remote
Sensing, 12*(7), 1105. doi:10.3390/rs12071105
Gridded Population of the World (GPW) v3 (collection)
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)
Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006)

Callahan, C. W., & Mankin, J. S. (2022). National attribution of historical climate damages. *Climatic Change, 172*(3), 40. doi:10.1007/s10584-022-03387-y
Gridded Population of the World (GPW) v4 (population count)

Campbell, S., Remenyi, T. A., White, C. J., & Johnston, F. H. (2018). Heatwave and health impact research: A global review. *Health & Place, 53*, 210-218. doi:10.1016/j.healthplace.2018.08.017
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Cao, G., & Zhao, N. (2022). Integrating remote sensing and social sensing to examine socioeconomic dynamics: A case study of Twitter and nighttime light imagery. In X. Yang (Ed.), *Urban Remote Sensing: Monitoring, Synthesis, and Modeling in the Urban Environment* (2nd ed., pp. 131-149): John Wiley & Sons Ltd.
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Cao, S., Weng, Q., & Lu, L. (2022). Distinctive roles of two- and three-dimensional urban structures in surface urban heat islands over the conterminous United States. *Urban Climate, 44*, 101230. doi:10.1016/j.uclim.2022.101230
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
NASA REMOTE SENSING (MODIS)

Cao, Y., Carver, S., & Yang, R. (2019). Mapping wilderness in China: Comparing and integrating Boolean and WLC approaches. *Landscape and Urban Planning, 192*, 103636. doi:10.1016/j.landurbplan.2019.103636
Gridded Population of the World (GPW) v4 (population density)

Capinha, C., Seebens, H., Cassey, P., García-Díaz, P., Lenzner, B., Mang, T., . . . Essl, F. (2017). Diversity, biogeography and the global flows of alien amphibians and reptiles. *Diversity and Distributions, 23*(11), 1313-1322. doi:10.1111/ddi.12617
Gridded Population of the World (GPW) v4 (population count)

Carbajal, N., León-Cruz, J. F., Pineda-Martínez, L. F., Tuxpan-Vargas, J., & Gaviño-Rodríguez, J. H. (2019). Occurrence of anticyclonic tornadoes in a topographically complex region of Mexico. *Advances in Meteorology, 2019*, 11. doi:10.1155/2019/2763153
Gridded Population of the World (GPW) v4.10 (population density)

Cariolle, J., Le Goff, M., & Santoni, O. (2017). *Fast Internet, Digital Vulnerabilities and Firm Performances in Developing and Transition Countries*. Retrieved from http://www.ferdi.fr/fr/publication/p195-fast-internet-digital-vulnerabilities-and-firm-performances
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4BG2KXS

Cariolle, J., Le Goff, M., & Santoni, O. (2019). *Digital Vulnerability and Performance of Firms in Developing Countries*. Retrieved from Paris: https://publications.banque-france.fr/en/digital-vulnerability-and-performance-firms-developin

g-countries
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4BG2KXS

Carlson, C. J., Kracalik, I. T., Ross, N., Alexander, K. A., Hugh-Jones, M. E., Fegan, M., . . . Blackburn, J. K. (2019). The global distribution of *Bacillus anthracis* and associated anthrax risk to humans, livestock and wildlife. *Nature Microbiology, 4*, 1337-1343. doi:10.1038/s41564-019-0435-4
Gridded Population of the World (GPW) v4 (population density)
Global High Resolution Urban Data from Landsat (HBASE)
NASA REMOTE SENSING (AVHRR)

Carnicer, C., de Lima, L. B., Pelicice, F. M., & Junior, D. P. L. (2023). Global trends, biases and gaps in the scientific literature about freshwater fish eggs and larvae. *Journal of Fish Biology, 102*(1), 83-95. doi:10.1111/jfb.15242
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Caron, L. (2022). Empty digital wallets: new technologies and old inequalities in digital financial services among women. *Oxford Open Economics, 1*, odac001. doi:10.1093/ooec/odac001
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Carrão, H., Naumann, G., & Barbosa, P. (2016). Mapping global patterns of drought risk: An empirical framework based on sub-national estimates of hazard, exposure and vulnerability. *Global Environmental Change, 39*, 108-124. doi:10.1016/j.gloenvcha.2016.04.012
Global Agricultural Lands (Cropland)
Gridded Population of the World (GPW) v4 beta (population count)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)

Carratalà, A., & Joost, S. (2019). Population density and water balance influence the global occurrence of hepatitis E epidemics. *Scientific Reports, 9*(1), 10042. doi:10.1038/s41598-019-46475-3
Gridded Population of the World (GPW) v4 (population density)

Carter, D. B., Kaplan, M. L., & Schultz, K. A. (2022). The geography of separatist violence. *International Studies Quarterly, 66*(3), sqac030. doi:10.1093/isq/sqac030
Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

Carter, T. S., Heald, C. L., Jimenez, J. L., Campuzano-Jost, P., Kondo, Y., Moteki, N., . . . Kaiser, J. W. (2020). How emissions uncertainty influences the distribution and radiative impacts of smoke from fires in North America. *Atmospheric Chemistry and Physics, 20*(4), 2073-2097. doi:10.5194/acp-20-2073-2020
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB
NASA REMOTE SENSING (MODIS)

Carter, T. S., Heald, C. L., & Selin, N. E. (2023). Large mitigation potential of smoke PM2.5 in the US from human-ignited fires. *Environmental Research Letters, 18*(1), 014002. doi:10.1088/1748-9326/aca91f
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB

Cassará, P., Gotta, A., Marchese, M., & Patrone, F. (2022). Orbital edge offloading on mega-LEO satellite constellations for equal access to computing. *IEEE Communications Magazine, 60*(4), 32-36. doi:10.1109/MCOM.001.2100818
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Castells-Quintana, D., Krause, M., & McDermott, T. K. J. (2021). The urbanising force of global warming: the role of climate change in the spatial distribution of population. *Journal of Economic Geography, 21*(4), 531-556. doi:10.1093/jeg/lbaa030
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (DMSP-OLS)

Castro-Llanos, F., Hyman, G., Rubiano, J., Ramirez-Villegas, J., & Achicanoy, H. (2019). Climate change favors rice production at higher elevations in Colombia. *Mitigation and Adaptation Strategies for Global Change, 24*, 1401-1430. doi:10.1007/s11027-019-09852-x
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
NASA REMOTE SENSING (SRTM)

Cattaneo, C., & Foreman, T. (2021). *Climate Change, International Migration, and Interstate Conflict*. Retrieved from London: https://www.cream-migration.org/publ_uploads/CDP_09_21.pdf
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)

Cattau, M. E., Mahood, A. L., Balch, J. K., & Wessman, C. A. (2022). Modern pyromes: Biogeographical patterns of fire characteristics across the contiguous United States. *Fire, 5*(4), 95. doi:10.3390/fire5040095
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)

Cazalis, V., Loreau, M., & Barragan-Jason, G. (2023). A global synthesis of trends in human experience of nature. *Frontiers in Ecology and the Environment, 21*(2), 85-93. doi:10.1002/fee.2540
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Čengić, M., Steinmann, Z. J. N., Defourny, P., Doelman, J. C., Lamarche, C., Stehfest, E., . . . Huijbregts, M. A. J. (2023). Global maps of agricultural expansion potential at a 300 m resolution. *Land, 12*(3), 579. doi:10.3390/land12030579
Gridded Population of the World (GPW) v4.11 (population density)

Center for International Earth Science Information Network. (2020). Global COVID-19 Map Viewer Shows Case Data, Age/Sex Features of At-Risk Populations.   Retrieved from https://blogs.ei.columbia.edu/2020/04/28/covid-19-mapping-tool/
COVID-19 Viewer
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Ceola, S., Laio, F., & Montanari, A. (2019). Global-scale human pressure evolution imprints on sustainability of river systems. *Hydrology and Earth System Sciences, 23*, 3933-3944. doi:10.5194/hess-23-3933-2019
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ\
REMOTE SENSING (DMSP-OLS)

Cesario, E., Lindia, P., & Vinci, A. (2023). Detecting multi-density urban hotspots in a smart city: Approaches, challenges and applications. *Big Data and Cognitive Computing, 7*(1), 29. doi:10.3390/bdcc7010029
Gridded Population of the World (GPW) v4.11 (population count)

Ch, R., Martin, D. A., & Vargas, J. F. (2018). *Measuring the Size and Growth of Cities Using Nighttime Light*. Retrieved from http://scioteca.caf.com/handle/123456789/1279
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (DMSP-OLS)

Ch, R., Martin, D. A., & Vargas, J. F. (2021). Measuring the size and growth of cities using nighttime light. *Journal of Urban Economics, 125*, 103254. doi:10.1016/j.jue.2020.103254
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Chakrabarty, M., Panja, S., & Homechaudhuri, S. (2023). Predictive modeling of a fish-based index of biotic integrity in assessing environmental degradation in the Lower Teesta River Basin of Eastern Himalayan Foothills, India. *Proceedings of the Zoological Society, 76*, 22-35. doi:10.1007/s12595-023-00464-7
Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS)

Chakraborty, R., Guha, B. K., Talukdar, S., Ratnam, M. V., & Maitra, A. (2019). Growth in mid-monsoon dry phases over the Indian region: prevailing influence of anthropogenic aerosols. *Atmospheric Chemistry and Physics, 19*(19), 12325-12341. doi:10.5194/acp-19-12325-2019
Gridded Population of the World (GPW) v4.11 (population density)

Chambers, J. (2020). Global and cross-country analysis of exposure of vulnerable populations to heatwaves from 1980 to 2018. *Climatic Change, 163*, 539-558. doi:10.1007/s10584-020-02884-2
Gridded Population of the World (GPW) v4.11 (population count)
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Chan, E. Y. Y., Huang, Z., Lam, H. C. Y., Wong, C. K. P., & Zou, Q. (2019). Health vulnerability index for disaster risk reduction: Application in Belt and Road Initiative (BRI) region. *International Journal of Environmental Research and Public Health, 16*(3), 380. doi:10.3390/ijerph16030380
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Chan, K. L., Khorsandi, E., Liu, S., Baier, F., & Valks, P. (2021). Estimation of surface NO2 concentrations over Germany from TROPOMI satellite observations using a machine learning method. *Remote Sensing, 13*(5), 969. doi:10.3390/rs13050969
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)
REMOTE SENSING (TROPOMI)

Chanda, A., & Kabiraj, S. (2020). Shedding light on regional growth and convergence in India. *World*

Development, 133, 104961. doi:10.1016/j.worlddev.2020.104961
Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM
REMOTE SENSING (DMSP-OLS)

Chang, Y. S., You, B.-J., & Kim, H. E. (2020). Dynamic trends of fine particulate matter exposure across
190 countries: Analysis and key insights. *Sustainability, 12*(7), 2910. doi:10.3390/su12072910
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Chaplin-Kramer, R., Neugarten, R. A., Sharp, R. P., Collins, P. M., Polasky, S., Hole, D., . . . Watson, R. A.
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doi:10.1038/s41559-022-01934-5
Gridded Population of the World (GPW) v4.11 (population count)

Chaplin-Kramer, R., Sharp, R. P., Weil, C., Bennett, E. M., Pascual, U., Arkema, K. K., . . . Daily, G. C.
(2019). Global modeling of nature's contributions to people. *Science, 366*(6462), 255-258.
doi:10.1126/science.aaw3372
Gridded Population of the World (GPW) v4.10 (basic demographic characteristics) - 10.7927/H45H7D7F
NASA REMOTE SENSING (ASTER GDEM)

Chaudhari, S. (2021). *Understanding Large-Scale Human-Water Interactions for Sustainable Hydropower
Development.* (Ph.D.). Michigan State University, East Lansing. Retrieved from
https://doi.org/10.25335/a51w-6539
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

Chaudhari, S., Brown, E., Quispe-Abad, R., Moran, E., Müller, N., & Pokhrel, Y. (2021). In-stream turbines
for rethinking hydropower development in the Amazon basin. *Nature Sustainability, 4*, 680-687.
doi:10.1038/s41893-021-00712-8
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

Chaudhary, P., Garg, S., George, T., Shabin, M., Saha, S., Subodh, S., & Sinha, B. (2021). Underreporting
and open burning – the two largest challenges for sustainable waste management in India.
Resources, Conservation and Recycling, 175, 105865. doi:10.1016/j.resconrec.2021.105865
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
10.7927/H4F47M65

Chen, A. (2020). *Tropical Cyclone Induced Extreme Wind, Rainfall, and Floods in the Mekong River Basin.*
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http://hdl.handle.net/2077/64068
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
Population Dynamics (Global Population Count Grid Time Series Estimates, v1) - 10.7927/H4CC0XNV
NASA REMOTE SENSING (TRMM)

Chen, A., Giese, M., & Chen, D. (2020). Flood impact on Mainland Southeast Asia between 1985 and
2018—The role of tropical cyclones. *Journal of Flood Risk Management, 13*(2), e12598.
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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
Population Dynamics (Global Population Count Grid Time Series Estimates, v1) - 10.7927/H4CC0XNV

Chen, A., Yang, J., He, Y., Yuan, Q., Li, Z., & Zhu, L. (2023). High spatiotemporal resolution estimation of AOD from Himawari-8 using an ensemble machine learning gap-filling method. *Science of The Total Environment, 857*(Part 3), 159673. doi:10.1016/j.scitotenv.2022.159673
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Himawari-8)

Chen, B., Hu, J., Song, Z., Zhou, X., Zhao, L., Wang, Y., . . . Ren, Y. (2023). Exploring high-resolution near-surface CO concentrations based on Himawari-8 top-of-atmosphere radiation data: Assessing the distribution of city-level CO hotspots in China. *Atmospheric Environment*, 120021. doi:10.1016/j.atmosenv.2023.120021
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Himawari-8)

Chen, B., & Jin, Y. (2022). Spatial patterns and drivers for wildfire ignitions in California. *Environmental Research Letters, 17*(5), 055004. doi:10.1088/1748-9326/ac60da
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
REMOTE SENSING (Landsat)

Chen, B., Jin, Y., Scaduto, E., Moritz, M. A., Goulden, M. L., & Randerson, J. T. (2021). Climate, fuel, and land use shaped the spatial pattern of wildfire in California's Sierra Nevada. *Journal of Geophysical Research: Biogeosciences, 126*(2), e2020JG005786. doi:10.1029/2020JG005786
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS - MCD12)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

Chen, B., Song, Y., Kwan, M.-P., Huang, B., & Xu, B. (2018). How do people in different places experience different levels of air pollution? Using worldwide Chinese as a lens. *Environmental Pollution, 238*, 874-883. doi:10.1016/j.envpol.2018.03.093
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Chen, B., Song, Z., Shi, B., & Li, M. (2022). An interpretable deep forest model for estimating hourly PM10 concentration in China using Himawari-8 data. *Atmospheric Environment, 268*, 118827. doi:10.1016/j.atmosenv.2021.118827
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Himawari-8)

Chen, B., Tu, Y., Song, Y., Theobald, D. M., Zhang, T., Ren, Z., . . . Xu, B. (2021). Mapping essential urban land use categories with open big data: Results for five metropolitan areas in the United States of America. *ISPRS Journal of Photogrammetry and Remote Sensing, 178*, 203-218. doi:10.1016/j.isprsjprs.2021.06.010
Gridded Population of the World (GPW) v4.11 (population count)
Global High Resolution Urban Data from Landsat (GMIS)
Global High Resolution Urban Data from Landsat (HBASE)

REMOTE SENSING (USDA National Agriculture Imagery Program (NAIP) very high resolution multispectral imagery)
REMOTE SENSING (Sentinel-1 SAR)
REMOTE SENSING (Sentinel-2 Multispectral Imager (MSI))
REMOTE SENSING (VIIRS NTL)

Chen, B., Tu, Y., Wu, S., Song, Y., Jin, Y., Webster, C., . . . Gong, P. (2022). Beyond green environments: Multi-scale difference in human exposure to greenspace in China. *Environment International, 166*, 107348. doi:10.1016/j.envint.2022.107348
Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (Sentinel-2)

Chen, B., Wang, Y., Huang, J., Zhao, L., Chen, R., Song, Z., & Hu, J. (2023). Estimation of near-surface ozone concentration and analysis of main weather situation in China based on machine learning model and Himawari-8 TOAR data. *Science of The Total Environment, 864*, 160928. doi:10.1016/j.scitotenv.2022.160928
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
REMOTE SENSING (Himawari-8)

Chen, B., Wu, S., Song, Y., Webster, C., Xu, B., & Gong, P. (2022). Contrasting inequality in human exposure to greenspace between cities of Global North and Global South. *Nature Communications, 13*(1), 4636. doi:10.1038/s41467-022-32258-4
Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-1)
REMOTE SENSING (Sentinel-2)

Chen, C., Grier, A., Malfa, M., Booen, E., Harding, H., Xia, C., . . . Quirk, K. (2017). *High-speed optical links for UAV applications.* Paper presented at the Free-Space Laser Communication and Atmospheric Propagation XXIX, San Francisco.
Gridded Population of the World (GPW) v4 beta (population count)

Chen, C., Holyoak, M., Xu, J., de Oliveira Caetano, G. H., & Wang, Y. (2023). Range restriction, climate variability and human-related risks imperil lizards world-wide. *Global Ecology and Biogeography, 32*(5), 780-792. doi:10.1111/geb.13655
Gridded Population of the World (GPW) v4.11 (population density)
Last of the Wild v3 (Human Footprint, 2018 Release (2009))

Chen, C., Li, D., & Keenan, T. F. (2021). Enhanced surface urban heat islands due to divergent urban-rural greening trends. *Environmental Research Letters, 16*(12), 124071. doi:10.1088/1748-9326/ac36f8
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (MODIS)

Chen, C., Saikawa, E., Comer, B., Mao, X., & Rutherford, D. (2019). Ship emission impacts on air quality and human health in the Pearl River Delta (PRD) Region, China, in 2015, with projections to 2030. *GeoHealth, 3*(9), 284-306. doi:10.1029/2019gh000183
Gridded Population of the World (GPW) v4 (population count)

Chen, F., Chen, S., Jia, M., Jiang, M., Leng, Z., Ma, L., . . . Yang, W. (2023). Exploring meteorological impacts based on Köppen-Geiger climate classification after reviewing China's response to COVID-19. *Applied Mathematical Modelling, 114*, 133-146. doi:10.1016/j.apm.2022.09.008
Gridded Population of the World (GPW) v4.11 (population count)

Chen, J., Bu, J., Su, Y., Yuan, M., Cao, K., & Gao, Y. (2022). Urban evapotranspiration estimation based on anthropogenic activities and modified Penman-Monteith model. *Journal of Hydrology, 610*, 127879. doi:10.1016/j.jhydrol.2022.127879
Gridded Population of the World (GPW) v4.11 (unspecified)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Chen, J., Mueller, V., Durand, F., Lisco, E., Zhong, Q., Sherin, V. R., & Saiful Islam, A. K. M. (2022). Salinization of the Bangladesh Delta worsens economic precarity. *Population and Environment, 44*, 226-247. doi:10.1007/s11111-022-00411-2
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
NASA REMOTE SENSING (MODIS - NDVI)
REMOTE SENSING (DMSP-OLS)

Chen, K., Wang, P., Zhao, H., Wang, P., Gao, A., Myllyvirta, L., & Zhang, H. (2021). Summertime O_3 and related health risks in the north China plain: A modeling study using two anthropogenic emission inventories. *Atmospheric Environment, 246*, 118087. doi:10.1016/j.atmosenv.2020.118087
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Chen, L., Liang, S., Li, X., Mao, J., Gao, S., Zhang, H., . . . Azzi, M. (2021). A hybrid approach to estimating long-term and short-term exposure levels of ozone at the national scale in China using land use regression and Bayesian maximum entropy. *Science of The Total Environment, 752*, 141780. doi:10.1016/j.scitotenv.2020.141780
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

Chen, L., Wu, Z., Tu, W., & Cao, Z. (2020). Applying LUR model to estimate spatial variation of PM2.5 in the Greater Bay Area, China. In L. Li, X. Zhou, & W. Tong (Eds.), *Spatiotemporal Analysis of Air Pollution and Its Application in Public Health* (pp. 207-215): Elsevier.
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (SRTM)

Chen, M., Sui, Y., Liu, W., Liu, H., & Huang, Y. (2019). Urbanization patterns and poverty reduction: A new perspective to explore the countries along the Belt and Road. *Habitat International, 84*, 1-14. doi:10.1016/j.habitatint.2018.12.001
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted)

Chen, M., Xian, Y., Huang, Y., Zhang, X., Hu, M., Guo, S., . . . Liang, L. (2022). Fine-scale population spatialization data of China in 2018 based on real location-based big data. *Scientific Data, 9*(1), 624. doi:10.1038/s41597-022-01740-5

Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Chen, Q., & Fei, X. (2023). Effective reduction of land-to-ocean plastic leakage in Thailand from 2000 to 2019 and implications for low- and middle-income countries. *Resources, Conservation and Recycling, 198*, 107204. doi:10.1016/j.resconrec.2023.107204
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Chen, Q.-X., Huang, C.-L., Yuan, Y., Mao, Q.-J., & Tan, H.-P. (2020). Spatiotemporal distribution of major aerosol types over China based on MODIS products between 2008 and 2017. *Atmosphere, 11*(7), 703. doi:10.3390/atmos11070703
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)

Chen, R., Yan, H., Liu, F., Du, W., & Yang, Y. (2020). Multiple global population datasets: Differences and spatial distribution characteristics. *ISPRS International Journal of Geo-Information, 9*(11), 637. doi:10.3390/ijgi9110637
Gridded Population of the World (GPW) v4.11 (population density)

Chen, R. S. (2016). Working with Facebook to Create Better Population Maps.   Retrieved from http://blogs.ei.columbia.edu/2016/02/22/working-with-facebook-to-create-better-population-maps/
Gridded Population of the World (GPW) v4 (collection)

Chen, S., Zhang, Y., & Zheng, J. (2021). Assessment on global urban photovoltaic carrying capacity and adjustment of photovoltaic spatial planning. *Sustainability, 13*(6), 3149. doi:10.3390/su13063149
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Chen, T., Deng, S., & Li, M. (2018). Spatial patterns of satellite-retrieved PM2.5 and long-term exposure assessment of China from 1998 to 2016. *International Journal of Environmental Research and Public Health, 15*(12), 2785. doi:10.3390/ijerph15122785
Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MISR)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SeaWiFS)

Chen, W., Wu, M., Zhang, L., & Gardoni, P. (2022). Multi-objective optimization for enhancing hospital network resilience under earthquakes. *International Journal of Disaster Risk Reduction, 82*, 103281. doi:10.1016/j.ijdrr.2022.103281
Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

Chen, W., & Zhang, L. (2022). An automated machine learning approach for earthquake casualty rate and economic loss prediction. *Reliability Engineering & System Safety, 225*, 108645. doi:10.1016/j.ress.2022.108645
Gridded Population of the World (GPW) v4.11 (population density)

Chen, X., Jeong, S., Park, H., Kim, J., & Park, C.-R. (2020). Urbanization has stronger impacts than regional

climate change on wind stilling: a lesson from South Korea. *Environmental Research Letters, 15*(5), 054016. doi:10.1088/1748-9326/ab7e51
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
REMOTE SENSING (DMSP-OLS)

Chen, X., Li, X., Li, X., Liang, J., Li, J., Chen, G., . . . Zeng, G. (2022). Estimating aerosol optical extinction across eastern China in winter during 2014–2019 using the random forest approach. *Atmospheric Environment, 269*, 118864. doi:10.1016/j.atmosenv.2021.118864
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (SRTM)

Chen, Y., Destouni, G., Goldenberg, R., & Prieto, C. (2021). Nutrient source attribution: Quantitative typology distinction of active and legacy source contributions to waterborne loads. *Hydrological Processes, 35*(7), e14284. doi:10.1002/hyp.14284
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Chen, Y., Han, H., Zhang, M., Zhao, Y., Huang, Y., Zhou, M., . . . Hu, Y. (2021). Trends and variability of ozone pollution over the mountain-basin areas in Sichuan Province during 2013-2020: Synoptic impacts and formation regimes. *Atmosphere, 12*(12), 1557. doi:10.3390/atmos12121557
Gridded Population of the World (GPW) v4.11 (population count)

Chen, Y., Li, X., Huang, K., Luo, M., & Gao, M. (2020). High-resolution gridded population projections for China under the Shared Socioeconomic Pathways. *Earth's Future, 8*(6), e2020EF001491. doi:10.1029/2020ef001491
Gridded Population of the World (GPW) v3 (collection)
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Chen, Y., Zhang, L., Henze, D. K., Zhao, Y., Lu, X., Winiwarter, W., . . . Song, Y. (2021). Interannual variation of reactive nitrogen emissions and their impacts on PM2.5 air pollution in China during 2005-2015. *Environmental Research Letters, 16*(12), 125004. doi:10.1088/1748-9326/ac3695
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (MERRA-2)
NASA REMOTE SENSING (MODiS)
NASA REMOTE SENSING (OMI)

Chen, Y., Zhang, R., Ge, Y., Jin, Y., & Xia, Z. (2019). Downscaling census data for gridded population mapping with geographically weighted area-to-point regression kriging. *IEEE Access, 7*, 149132-149141. doi:10.1109/ACCESS.2019.2945000
Gridded Population of the World (GPW) v4 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Cheng, C., Zhang, T., Su, K., Gao, P., & Shen, S. (2019). Assessing the intensity of the population affected by a complex natural disaster using social media data. *ISPRS International Journal of Geo-Information, 8*(8), 358. doi:10.3390/ijgi8080358
Gridded Population of the World (GPW) v4 .11 (admin unit center points with population estimates)

Cheng, J., Tong, D., Liu, Y., Bo, Y., Zheng, B., Geng, G., . . . Zhang, Q. (2021). Air quality and health

benefits from China's current and upcoming clean air policies. *Faraday Discussions, 226*, 584-606. doi:10.1039/D0FD00090F
Gridded Population of the World (GPW) v4.11 (population count)

Cheng, J., Tong, D., Liu, Y., Geng, G., Davis, S. J., He, K., & Zhang, Q. (2023). A synergistic approach to air pollution control and carbon neutrality in China can avoid millions of premature deaths annually by 2060. *One Earth, 6*(8), 978-989. doi:10.1016/j.oneear.2023.07.007
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Cheng, J., Tong, D., Liu, Y., Yu, S., Yan, L., Zheng, B., . . . Zhang, Q. (2021). Comparison of current and future PM2.5 air quality in China under CMIP6 and DPEC emission scenarios. *Geophysical Research Letters, 48*(11), e2021GL093197. doi:10.1029/2021GL093197
Gridded Population of the World (GPW) v4.11 (population count)

Cheng, J., Tong, D., Zhang, Q., Liu, Y., Lei, Y., Yan, G., . . . He, K. (2021). Pathways of China's PM2.5 air quality 2015–2060 in the context of carbon neutrality. *National Science Review, 8*(12), nwab078. doi:10.1093/nsr/nwab078
Gridded Population of the World (GPW) v4 (unspecified)

Cheng, M., Liu, X., Sheng, H., & Yuan, Z. (2023). MAPS: A new model using data fusion to enhance the accuracy of high-resolution mapping for livestock production systems. *One Earth, 6*(9), 1190-1201. doi:10.1016/j.oneear.2023.08.012
Global Human Settlement Layer (GHSL) (Population (POP), Built-Up Estimates (BUILT), and Degree of Urbanization Settlement Model Grid (SMOD), v1)
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Cheng, Y., Chen, X., Ding, X., & Zeng, L. (2019). Optimizing location of car-sharing stations based on potential travel demand and present operation characteristics: The case of Chengdu. *Journal of Advanced Transportation, 2019*(7546303), 13. doi:10.1155/2019/7546303
Gridded Population of the World (GPW) v4 (population density)

Cheng, Z., Wang, J., & Ge, Y. (2022). Mapping monthly population distribution and variation at 1-km resolution across China. *International Journal of Geographical Information Science, 36*(6), 1166-1184. doi:10.1080/13658816.2020.1854767
Gridded Population of the World (GPW) v4 (unspecified)

Cherlet, M., Reynolds, J., Hutchinson, C., Hill, J., von Maltitz, G., Sommer, S., . . . Smid, M. (2018). *World Atlas of Desertification* (3rd ed.). Luxembourg: Publication Office of the European Union.
Gridded Population of the World (GPW) v4 Preliminary Release 2 (population density)

Chernokulsky, A., Kurgansky, M., Mokhov, I., Shikhov, A., Azhigov, I., Selezneva, E., . . . Kühne, T. (2020). Tornadoes in Northern Eurasia: from the Middle Age to the Information Era. *Monthly Weather Review, 148*(8), 3081-3110. doi:10.1175/mwr-d-19-0251.1
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)
REMOTE SENSING (Landsat)

Cheung, P. K., & Fok, L. (2017). Characterisation of plastic microbeads in facial scrubs and their estimated emissions in Mainland China. *Water Research, 122*, 53-61.

      doi:10.1016/j.watres.2017.05.053
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Chipeta, M. G., Kumaran, E. P. A., Browne, A. J., Hamadani, B. H. K., Haines-Woodhouse, G., Sartorius, B.,
      . . . Moore, C. E. (2022). Mapping local variation in household overcrowding across Africa from
      2000 to 2018: a modelling study. *The Lancet Planetary Health, 6*(8), e670-e681.
      doi:10.1016/S2542-5196(22)00149-8
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Cho, J. Y. N., & Kurdzo, J. M. (2019). *Monetized Weather Radar Network Benefits for Tornado Cost
      Reduction*. Retrieved from Lexington MA: https://apps.dtic.mil/docs/citations/AD1079677
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Cho, J. Y. N., & Kurdzo, J. M. (2019). Weather radar network benefit model for tornadoes. *Journal of
      Applied Meteorology and Climatology, 58*(5), 971-987. doi:10.1175/jamc-d-18-0205.1
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Cho, J. Y. N., & Kurdzo, J. M. (2020). Weather radar network benefit model for flash flood casualty
      reduction. *Journal of Applied Meteorology and Climatology, 59*(4), 589-604.
      doi:10.1175/jamc-d-19-0176.1
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Cho, J. Y. N., & Kurdzo, J. M. (2020). Weather radar network benefit model for nontornadic
      thunderstorm wind casualty cost reduction. *Weather, Climate, and Society, 12*(4), 789-804.
      doi:10.1175/wcas-d-20-0063.1
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Choi, H., Park, S., Kang, Y., Im, J., & Song, S. (2023). Retrieval of hourly PM2.5 using top-of-atmosphere
      reflectance from geostationary ocean color imagers I and II. *Environmental Pollution, 323*,
      121169. doi:10.1016/j.envpol.2023.121169
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (GOCI 1 and 2)

Choi, H. J., & Raleigh, C. (2021). The geography of regime support and political violence.
      Democratization, 28(6), 1095-1114. doi:10.1080/13510347.2021.1901688
Gridded Population of the World (GPW) v4 (population count)

Choi, Y.-W., Campbell, D. J., Aldridge, J. C., & Eltahir, E. A. B. (2021). Near-term regional climate change
      over Bangladesh. *Climate Dynamics, 57*, 3055-3073. doi:10.1007/s00382-021-05856-z
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Choi, Y.-W., Campbell, D. J., & Eltahir, E. A. B. (2023). Near-term regional climate change in East Africa.
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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (IMERG)
NASA REMOTE SENSING (TRMM)

Choi, Y.-W., & Eltahir, E. A. B. (2023). Near-term climate change impacts on food crops productivity in

East Africa. *Theoretical and Applied Climatology, 152*, 843-860.
doi:10.1007/s00704-023-04408-1
Global Agricultural Lands (collection)
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Choi, Y.-W., & Eltahir, E. A. B. (2023). Uncertainty in future projections of precipitation decline over
Mesopotamia. *Journal of Climate, 36*(4), 1213-1228. doi:10.1175/jcli-d-22-0268.1
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
NASA REMOTE SENSING (TRMM)

Chossière, G. P., Xu, H., Dixit, Y., Isaacs, S., Eastham, S. D., Allroggen, F., . . . Barrett, S. R. H. (2021). Air
pollution impacts of COVID-19–related containment measures. *Science Advances, 7*(21),
eabe1178. doi:10.1126/sciadv.abe1178
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
10.7927/H4F47M65
REMOTE SENSING (TROPOMI)

Chu, L., Oloo, F., Bergstedt, H., & Blaschke, T. (2020). Assessing the link between human modification
and changes in land surface temperature in Hainan, China using image archives from Google
Earth Engine. *Remote Sensing, 12*(5), 888. doi:10.3390/rs12050888
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS - MOD11A2.006) -GEE

Chua, P. L. C., Ng, C. F. S., Madaniyazi, L., Seposo, X., Salazar, M. A., Huber, V., & Masahiro, H. (2022).
Projecting temperature-attributable mortality and hospital admissions due to enteric infections
in the Philippines. *Environmental Health Perspectives, 130*(2), 027011. doi:10.1289/EHP9324
Gridded Population of the World (GPW) v4.11 (population density)

Chuvieco, E., Pettinari, M. L., Koutsias, N., Forkel, M., Hantson, S., & Turco, M. (2021). Human and
climate drivers of global biomass burning variability. *Science of The Total Environment, 779*,
146361. doi:10.1016/j.scitotenv.2021.146361
Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (AMSR-E)
NASA REMOTE SENSING (MODIS)

Cimatti, M., Ranc, N., Benítez-López, A., Maiorano, L., Boitani, L., Cagnacci, F., . . . Santini, L. (2021). Large
carnivore expansion in Europe is associated with human population density and land cover
changes. *Diversity and Distributions, 27*(4), 602-617. doi:10.1111/ddi.13219
Gridded Population of the World (GPW) v4.11 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Cinner, Joshua E., Zamborain-Mason, J., Gurney, G. G., Graham, N. A. J., MacNeil, M. A., Hoey, A. S., . . .
Mouillot, D. (2020). Meeting fisheries, ecosystem function, and biodiversity goals in a
human-dominated world. *Science, 368*(6488), 307-311. doi:10.1126/science.aax9412
Gridded Population of the World (GPW) v4.11 (population count)

Clark, N. J., Umulisa, I., Ruberanziza, E., Owada, K., Colley, D. G., Ortu, G., . . . Turate, I. (2019). Mapping
Schistosoma mansoni endemicity in Rwanda: a critical assessment of geographical disparities

arising from circulating cathodic antigen versus Kato-Katz diagnostics. *PLoS Neglected Tropical Diseases, 13*(9), e0007723. doi:10.1371/journal.pntd.0007723
Gridded Population of the World (GPW) v4 (population density)

Coelho, F., Câmara, D. C. P., Araújo, E. C., Bianchi, L. M., Ogasawara, I., Dalal, J., . . . Keiser, O. (2023). A platform for data-centric, continuous epidemiological analyses (EpiGraphHub): Descriptive analysis. *Journal of Medical Internet Research, 25*, e40554. doi:10.2196/40554
Gridded Population of the World (GPW) v4.11 (population count)

Coelho, L., Romero, D., Queirolo, D., & Carlos Guerrero, J. (2018). Understanding factors affecting the distribution of the maned wolf (*Chrysocyon brachyurus*) in South America: spatial dynamics and environmental drivers. *Mammalian Biology, 92*, 54-61. doi:10.1016/j.mambio.2018.04.006
Gridded Population of the World (GPW) v4 (population density)

Cohen, A. J., Brauer, M., Burnett, R., Anderson, H. R., Frostad, J., Estep, K., . . . Forouzanfar, M. H. (2017). Estimates and 25-year trends of the global burden of disease attributable to ambient air pollution: an analysis of data from the Global Burden of Diseases Study 2015. *The Lancet, 389*(10082), 1907-1918. doi:10.1016/S0140-6736(17)30505-6
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Cohen, J. E. (2020). Book Review: Population, population, and population. [Our One and Only Spaceship: Denial, Delusion, and the Population Crisis, Eric R. Pianka, Laurie J. Vitt]. *Bulletin of the Ecological Society of America, 101*(3), 1-17. doi:10.2307/26920138
Gridded Population of the World (GPW) v4 (collection)
POPGRID

Cohen, J. L., Desai, R. M., & Kharas, H. (2019). Spatial targeting of poverty hotspots. In H. Kharas, J. W. McArthur, & I. Ohno (Eds.), *Leave No One Behind: Time for Specifics on the Sustainable Development Goals* (pp. 209-237). Washington: Brookings Institution Press.
Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (DMSP-OLS)

Coker, E. S., Molitor, J., Liverani, S., Martin, J., Maranzano, P., Pontarollo, N., & Vergalli, S. (2023). Bayesian profile regression to study the ecologic associations of correlated environmental exposures with excess mortality risk during the first year of the Covid-19 epidemic in Lombardy, Italy. *Environmental Research, 216*(Part 1), 114484. doi:10.1016/j.envres.2022.114484
Gridded Population of the World (GPW) v4.11 (population density)

Cole, D. G. (2023). Review of The Letchworth State Park Atlas: Exploring its Nature, History, and Tourism through Maps. *Cartographic Perspectives, 101*, 65-67. doi:10.14714/CP101.1817
Gridded Population of the World (GPW) v4.11 (population density)

Cole, L. E. S., Willis, K. J., & Bhagwat, S. A. (2021). The future of Southeast Asia's tropical peatlands: local and global perspectives. *Anthropocene, 34*, 100292. doi:10.1016/j.ancene.2021.100292
Gridded Population of the World (GPW) v4.11 (population density)

Collin, A., Calle, C., James, D., Costa, S., Maquaire, O., Davidson, R., & Trigo-Teixeira, A. (2020). Modelling 2D coastal flooding at fine-scale over vulnerable lowlands using satellite-derived

topobathymetry, hydrodynamic and overflow simulations. *Journal of Coastal Research, 95*(sp1), 1052-1056, 1055. doi:10.2112/SI95-205.1
Gridded Population of the World (GPW) v4 (unspecified)
REMOTE SENSING (Pleiades-1)

Colon, C., Hallegatte, S., & Rozenberg, J. (2019). *Transportation and Supply Chain Resilience in the United Republic of Tanzania : Assessing the Supply-Chain Impacts of Disaster-Induced Transportation Disruptions Background paper for Lifelines : The Resilient Infrastructure Opportunity*. Retrieved from Washington DC: http://hdl.handle.net/10986/31909
Gridded Population of the World (GPW) v4.11 (documentation) - 10.7927/H45Q4T5F

Colon, C., Hallegatte, S., & Rozenberg, J. (2021). Criticality analysis of a country's transport network via an agent-based supply chain model. *Nature Sustainability, 4*, 209-215. doi:10.1038/s41893-020-00649-4
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Colón-González, F. J., Soares Bastos, L., Hofmann, B., Hopkin, A., Harpham, Q., Crocker, T., . . . Lowe, R. (2021). Probabilistic seasonal dengue forecasting in Vietnam: A modelling study using superensembles. *PLoS Medicine, 18*(3), e1003542. doi:10.1371/journal.pmed.1003542
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) - 10.7927/H4JQ0XZW
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (TRMM)

Colston, J. M., Hinson, P., Nguyen, N.-L. H., Chen, Y. T., Badr, H. S., Kerr, G. H., . . . Zaitchik, B. F. (2023). Effects of hydrometeorological and other factors on SARS-CoV-2 reproduction number in three contiguous countries of Tropical Andean South America: a spatiotemporally disaggregated time series analysis. *IJID Regions, 6*, 29-41. doi:10.1016/j.ijregi.2022.11.007
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)

Commission on Population and Development, U. N. (2016). *Supplementary References to the Report of the Secretary-General on Strengthening the Demographic Evidence Base for the Post-2015 Development Agenda (E/CN.9/2016/3)*. Retrieved from New York: http://www.un.org/en/development/desa/population/commission/pdf/49/E_CN_9_2016_3_Supplement.pdf
Gridded Population of the World (GPW) v3 (collection)
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

Conibear, L., Butt, E. W., Knote, C., Arnold, S. R., & Spracklen, D. V. (2018). Residential energy use emissions dominate health impacts from exposure to ambient particulate matter in India. *Nature Communications, 9*(1), 9pp. doi:10.1038/s41467-018-02986-7
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
NASA REMOTE SENSING (MODIS)

Conibear, L., Butt, E. W., Knote, C., Arnold, S. R., & Spracklen, D. V. (2018). Stringent emission control policies can provide large improvements in air quality and public health in India. *GeoHealth, 2*(7), 196-211. doi:10.1029/2018GH000139

Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Conibear, L., Butt, E. W., Knote, C., Spracklen, D. V., & Arnold, S. R. (2018). Current and future disease burden from ambient ozone exposure in India. *GeoHealth, 2*(11), 334-355. doi:10.1029/2018GH000168
Gridded Population of the World (GPW) v4 (national identifier grid) - 10.7927/H41V5BX1

Coniglio, N. D., Peragine, V., & Vurchio, D. (2023). The effects of refugees' camps on hosting areas: Social conflicts and economic growth. *World Development, 168*, 106273. doi:10.1016/j.worlddev.2023.106273
Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS)

Cooper, M., J., Martin, R. V., McLinden, C., A., & Brook, J., R. (2020). Inferring ground-level nitrogen dioxide concentrations at fine spatial resolution applied to the TROPOMI satellite instrument. *Environmental Research Letters, 15*(10), 104013. doi:10.1088/1748-9326/aba3a5
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (OMI NO2)
REMOTE SENSING (TROPOMI)

Cooper, M. J., Martin, R. V., Hammer, M. S., Levelt, P. F., Veefkind, P., Lamsal, L. N., . . . McLinden, C. A. (2022). Global fine-scale changes in ambient NO2 during COVID-19 lockdowns. *Nature, 601*(7893), 380-387. doi:10.1038/s41586-021-04229-0
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (OMI NO2)
REMOTE SENSING (TROPOMI)

Coristine, L. E., Jacob, A. L., Schuster, R., Otto, S. P., Baron, N. E., Bennett, N. J., . . . Woodley, S. (2018). Informing Canada's commitment to biodiversity conservation: A science-based framework to help guide protected areas designation through Target 1 and beyond. *FACETS, 3*(1), 531-562. doi:10.1139/facets-2017-0102
Gridded Population of the World (GPW) v4 (population density)

Cornish, L. (2020). Gridded Population datasets: Which is fit for purpose?   Retrieved from https://www.devex.com/news/gridded-population-datasets-which-one-is-fit-for-purpose-97212
Gridded Population of the World (GPW) v4 (collection)

Coro, G., Bove, P., & Kesner-Reyes, K. (2023). Global-scale parameters for ecological models. *Scientific Data, 10*(1), 7. doi:10.1038/s41597-022-01904-3
Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

Corona-Núñez, R. O., & Campo, J. E. (2023). Climate and socioeconomic drivers of biomass burning and carbon emissions from fires in tropical dry forests: a Pantropical analysis. *Global Change Biology, 29*(4), 1062-1079. doi:10.1111/gcb.16516
Global Agricultural Lands (Cropland)
Global Agricultural Lands (Pasture)
Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)
Gridded Population of the World (GPW) v4.11 (population density)

NASA REMOTE SENSING (SRTM)

Correia, R. A., Ruete, A., Stropp, J., Malhado, A. C. M., dos Santos, J. W., Lessa, T., . . . Ladle, R. J. (2019). Using ignorance scores to explore biodiversity recording effort for multiple taxa in the Caatinga. *Ecological Indicators, 106*, 105539. doi:10.1016/j.ecolind.2019.105539
Gridded Population of the World (GPW) v4.10 (population count)

Costa, M. C., Hagopián, D., Simo, M. R., Guerrero, J. C., & Laborda, A. (2021). First description of the male of *Mastophora extraordinaria* Holmberg, 1876 (Araneae: Araneidae), with notes on the natural history and potential distribution of the species. *Boletín de la Sociedad Zoológica del Uruguay, 30*(1), 14-24. doi:10.26462/30.1.2
Gridded Population of the World (GPW) v4.11 (data quality indicators)

Costall, A., Harris, B., & Pigois, J. P. (2018). Electrical resistivity imaging and the saline water interface in high-quality coastal aquifers. *Surveys in Geophysics, 39*, 753–816. doi:10.1007/s10712-018-9468-0
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Costantini, M., Colin, J., & Decharme, B. (2023). Projected climate-driven changes of water table depth in the world's major groundwater basins. *Earth's Future, 11*(3), e2022EF003068. doi:10.1029/2022EF003068
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Cottier, F., & Salehyan, I. (2021). Climate variability and irregular migration to the European Union. *Global Environmental Change, 69*, 102275. doi:10.1016/j.gloenvcha.2021.102275
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4F47M65

Couch, C. S., Oliver, T. A., Dettloff, K., Huntington, B., Tanaka, K. R., & Vargas-Ángel, B. (2023). Ecological and environmental predictors of juvenile coral density across the central and western Pacific. *Frontiers in Marine Science, 10*. doi:10.3389/fmars.2023.1192102
Gridded Population of the World (GPW) v3 (population count)
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Coughlan de Perez, E., van Aalst, M., Bischiniotis, K., Mason, S., Nissan, H., Pappenberger, F., . . . van den Hurk, B. (2018). Global predictability of temperature extremes. *Environmental Research Letters, 13*(5), 054017. doi:10.1088/1748-9326/aab94a
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Courtney Mustaphi, C. J., Capitani, C., Boles, O., Kariuki, R., Newman, R., Munishi, L., . . . Lane, P. (2019). Integrating evidence of land use and land cover change for land management policy formulation along the Kenya-Tanzania borderlands. *Anthropocene, 28*, 100228. doi:10.1016/j.ancene.2019.100228
Gridded Population of the World (GPW) v4 (collection)
POPGRID

Cresswell, A. K., Edgar, G. J., Stuart-Smith, R. D., Thomson, R. J., Barrett, N. S., & Johnson, C. R. (2017). Translating local benthic community structure to national biogenic reef habitat types. *Global*

Ecology and Biogeography, 26(10), 1112-1125. doi:10.1111/geb.12620
Gridded Population of the World (GPW) v4 (population density)

Croitoru, L., Miranda, J. J., Khattabi, A., & Lee, J. J. (2020). *The Cost of Coastal Zone Degradation in Nigeria : Cross River, Delta and Lagos States*. Retrieved from Washington DC: https://openknowledge.worldbank.org/handle/10986/34758
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
REMOTE SENSING (Landsat)

Crooks, J. L., Licker, R., Hollis, A. L., & Ekwurzel, B. (2022). The ozone climate penalty, NAAQS attainment, and health equity along the Colorado Front Range. *Journal of Exposure Science & Environmental Epidemiology, 32*, 545-553. doi:10.1038/s41370-021-00375-9
Gridded Population of the World (GPW) v4.11 (population density)

Crossman, J., Bussi, G., Whitehead, P. G., Butterfield, D., Lannergård, E., & Futter, M. N. (2021). A new, catchment-scale integrated water quality model of phosphorus, dissolved oxygen, biochemical oxygen demand and phytoplankton: INCA-Phosphorus Ecology (PEco). *Water, 13*(5), 723. doi:10.3390/w13050723
Gridded Population of the World (GPW) v4 (documentation)

Cruzatti, J., Dreher, A., & Matzat, J. (2020). *Chinese Aid and Health at the Country and Local Level*. Retrieved from Williamsburg, VA: https://www.aiddata.org/publications/chinese-aid-and-health-at-the-country-and-local-level
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

Cserbik, D., Chen, J.-C., McConnell, R., Berhane, K., Sowell, E. R., Schwartz, J., . . . Herting, M. M. (2020). Fine particulate matter exposure during childhood relates to hemispheric-specific differences in brain structure. *Environment International, 143*, 105933. doi:10.1016/j.envint.2020.105933
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4D50JX4

Cui, C., Liu, Y., Chen, L., Liang, S., Shan, M., Zhao, J., . . . Ma, Z. (2022). Assessing public health and economic loss associated with black carbon exposure using monitoring and MERRA-2 data. *Environmental Pollution, 313*, 120190. Retrieved from https://doi.org/10.1016/j.envpol.2022.120190
Gridded Population of the World (GPW) v4 (unspecified)

Cui, F., Hamdi, R., Yuan, X., He, H., Yang, T., Kuang, W., . . . De Maeyer, P. (2021). Quantifying the response of surface urban heat island to urban greening in global north megacities. *Science of The Total Environment, 801*, 149553. doi:10.1016/j.scitotenv.2021.149553
Gridded Population of the World (GPW) v4.11 (admin unit center points) - 10.7927/H4BC3WMT
NASA REMOTE SENSING (MERRA-2)
NASA REMOTE SENSING (MODIS - MYD11A2)

Cui, R., Hultman, N., Jiang, K., McJeon, H., Yu, S., Cui, D., . . . Zhang, W. (2020). *A High Ambition Coal Phaseout in China: Feasible Strategies through a Comprehensive Plant-by-Plant Assessment*. Retrieved from College Park, MD: https://cgs.umd.edu/research-impact/publications/high-ambition-coal-phaseout-china-feasible-strategies-through

Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
10.7927/H4F47M65

Cui, T., Li, Y., Yang, L., Nan, Y., Li, K., Tudaji, M., . . . Tian, F. (2023). Non-monotonic changes in Asian
Water Towers' streamflow at increasing warming levels. *Nature Communications, 14*(1), 1176.
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Gridded Population of the World (GPW) v4.11 (population count)

Cunningham, C., & Beazley, K. (2018). Changes in human population density and protected areas in
terrestrial global biodiversity hotspots, 1995–2015. *Land, 7*(4), 136. doi:10.3390/land7040136
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)

Cunningham, E., & Lekic, V. (2020). Constraining properties of sedimentary strata using receiver
functions: An example from the Atlantic Coastal Plain of the southeastern United States. *Bulletin
of the Seismological Society of America, 110*(2), 519-533. doi:10.1785/0120190191
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Cuo, L., Zhang, Y., Wu, Y., & Hou, M. (2020). Desertification over the Tibetan Plateau during 1971–2015
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doi:10.1002/ldr.3575
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
10.7927/H4F47M65

Curtis, P. G., Slay, C. M., Harris, N. L., Tyukavina, A., & Hansen, M. C. (2018). Classifying drivers of global
forest loss. *Science, 361*(6407), 1108-1111. doi:10.1126/science.aau3445
Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM
NASA REMOTE SENSING (FIRMS)

Cusack, S. (2023). A long record of European windstorm losses and its comparison to standard climate
indices. *Natural Hazards and Earth System Sciences, 23*(8), 2841-2856.
doi:10.5194/nhess-23-2841-2023
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Custodio, E., Herrador, Z., Nkunzimana, T., Węziak-Białowolska, D., Perez-Hoyos, A., & Kayitakire, F.
(2019). Children's dietary diversity and related factors in Rwanda and Burundi: A multilevel
analysis using 2010 Demographic and Health Surveys. *PLoS ONE, 14*(10), e0223237.
doi:10.1371/journal.pone.0223237
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
NASA REMOTE SENSING (MODIS NDVI)

D'Addario, M., Monroy-Vilchis, O., Zarco-González, M. M., & Santos-Fita, D. (2019). Potential distribution
of *Aquila chrysaetos* in Mexico: Implications for conservation. *Avian Biology Research, 12*(1),
33-41. doi:10.1177/1758155918823424
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H46T0JKB

Daberger, M., Kuemmerle, T., Khaleghi Hamidi, A., Khalatbari, L., Abolghasemi, H., Mirzadeh, H. R., &
Ghoddousi, A. (2022). Prioritizing livestock grazing right buyouts to safeguard Asiatic cheetahs
from extinction. *Conservation Science and Practice, 4*(12), e12832. doi:10.1111/csp2.12832

Gridded Population of the World (GPW) v4.11 (population density)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)

Dada, O. A., Almar, R., Morand, P., Bergsma, E. W. J., Angnuureng, D. B., & Minderhoud, P. S. J. (2023). Future socioeconomic development along the West African coast forms a larger hazard than sea level rise. *Communications Earth & Environment, 4*(1), 150. doi:10.1038/s43247-023-00807-4
Gridded Population of the World (GPW) v4.11 (population count)
Population Dynamics (Global 1-km Downscaled Population Base Year and Projection Grids Based on the SSPs, v1.01) - 10.7927/q7z9-9r69
REMOTE SENSING (MERIT DEM)

Dahiya, S. (2022). *Health Impacts Assessment of the Integrated Steel Plant, JSW Utkal Steel Limited in Odisha, India*. Retrieved from https://energyandcleanair.org/hia-of-jsw-isp_odisha
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

Dahmm, H., & Rabiee, M. (2020). *Leaving No One Off the Map: A Guide For Gridded Population Data for Sustainable Development*. Retrieved from https://static1.squarespace.com/static/5b4f63e14eddec374f416232/t/5eb2b65ec575060f0adb1feb/1588770424043/Leaving+no+one+off+the+map-4.pdf
Gridded Population of the World (GPW) v4 (collection)
Population Dynamics (Global One-Eighth Degree Population Base Year and Projection Grids Based on the SSPs, v1.01) - 10.7927/m30p-j498

Dai, J., Li, S., Bi, J., & Ma, Z. (2019). The health risk-benefit feasibility of nuclear power development. *Journal of Cleaner Production, 224*, 198-206. doi:10.1016/j.jclepro.2019.03.206
Gridded Population of the World (GPW) v4 (population density)

Dai, Y., Hitchcock, P., Mahowald, N. M., Domeisen, D. I. V., Hamilton, D. S., Li, L., . . . Aboagye-Okyere, A. (2022). Stratospheric impacts on dust transport and air pollution in West Africa and the Eastern Mediterranean. *Nature Communications, 13*(1), 7744. doi:10.1038/s41467-022-35403-1
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MERRA-2)

Dalagnol, R., Gramcianinov, C. B., Crespo, N. M., Luiz, R., Chiquetto, J. B., Marques, M. T. A., . . . Sparrow, S. (2021). Extreme rainfall and its impacts in the Brazilian Minas Gerais state in January 2020: Can we blame climate change? *Climate Resilience and Sustainability, 1*(1), e15. doi:10.1002/cli2.15
Gridded Population of the World (GPW) v4 (population count)

Dalgaard, C.-J., Kaarsen, N., Olsson, O., & Selaya, P. (2018). *Roman Roads to Prosperity: Persistence and Non-Persistence of Public Goods Provision* (12745). Retrieved from London: www.cepr.org/active/publications/discussion_papers/dp.php?dpno=12745
Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (VIIRS DNB)

Dalgaard, C.-J., Kaarsen, N., Olsson, O., & Selaya, P. (2022). Roman roads to prosperity: Persistence and non-persistence of public infrastructure. *Journal of Comparative Economics, 50*(4), 896-916.

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
REMOTE SENSING (VIIRS)

Damania, R., Desbureaux, S., Hyland, M., Islam, A., Moore, S., Rodella, A.-S., . . . Zaveri, E. (2017).
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Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) -
    10.7927/H4JQ0XZW
Global Reservoir and Dam (GRanD) v1.01 (dams) - 10.7927/H4N877QK
NASA REMOTE SENSING (MODIS)

d'Amore, F., Mocellin, P., Vianello, C., Maschio, G., & Bezzo, F. (2018). Economic optimisation of
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    analysis and risk mitigation measures. *Applied Energy, 223*, 401-415.
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Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

Danesh Yazdi, M., Kuang, Z., Dimakopoulou, K., Barratt, B., Suel, E., Amini, H., . . . Schwartz, J. (2020).
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    using machine learning methods. *Remote Sensing, 12*(6), 914. doi:10.3390/rs12060914
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (VIIRS NTL)

Dang, R., & Liao, H. (2019). Radiative forcing and health impact of aerosols and ozone in China as the
    consequence of clean air actions over 2012-2017. *Geophysical Research Letters, 46*(21),
    12511-12519. doi:10.1029/2019gl084605
Gridded Population of the World (GPW) v4 (unspecified)

Dangar, S., Asoka, A., & Mishra, V. (2021). Causes and implications of groundwater depletion in India: A
    review. *Journal of Hydrology, 596*, 126103. doi:10.1016/j.jhydrol.2021.126103
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (GRACE)
NASA REMOTE SENSING (MODIS)

Dangar, S., & Mishra, V. (2023). Excessive pumping limits the benefits of a strengthening summer
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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (GRACE)

D'Aoust, O., Gunneman, J., Patel, K. V., & Tassot, C. (2022). *Cash in the City: The Case of Port-au-Prince*.
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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

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Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS - MCD12Q1)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

Dasgupta, S., Lall, S., & Wheeler, D. (2023). Subways and CO2 emissions: A global analysis with satellite data. *Science of The Total Environment, 883*, 163691. doi:10.1016/j.scitotenv.2023.163691
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (OCO-2)

Dasgupta, S., Wheeler, D., Bandyopadhyay, S., Ghosh, S., & Roy, U. (2022). Coastal dilemma: Climate change, public assistance and population displacement. *World Development, 150*, 105707. doi:10.1016/j.worlddev.2021.105707
Gridded Population of the World (GPW) v4 (unspecified)

David, L. M., Ravishankara, A. R., Kodros, J. K., Pierce, J. R., Venkataraman, C., & Sadavarte, P. (2019). Premature mortality due to PM2.5 over India: Effect of atmospheric transport and anthropogenic emissions. *GeoHealth, 3*(1), 2-10. doi:10.1029/2018GH000169
Gridded Population of the World (GPW) v4 (collection)

Davis, K. F., Bhattachan, A., D'Odorico, P., & Suweis, S. (2018). A universal model for predicting human migration under climate change: examining future sea level rise in Bangladesh. *Environmental Research Letters, 13*(6), 064030. doi:10.1088/1748-9326/aac4d4
Gridded Population of the World (GPW) v4 (population count)

Davis, K. F., Müller, M. F., Rulli, M. C., Tatlhego, M., Ali, S., Baggio, J. A., . . . Eckert, S. (2023). Transnational agricultural land acquisitions threaten biodiversity in the Global South. *Environmental Research Letters, 18*(2), 024014. doi:10.1088/1748-9326/acb2de
Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (Landsat)

Day, J., Ashfield, S., Brown, D., Gale, P., Heeley, L., Snary, E., . . . Jones, G. (2021). *Copernicus User Uptake (CUU): Applying Earth Observation (EO) to horizon scanning for Emerging Infectious Diseases (EIDs)*. Retrieved from Peterborough, UK: https://hub.jncc.gov.uk/assets/9efd4ce0-b7a9-4ad2-b7ed-f0e7646927b3
Global Agricultural Lands (collection)
Gridded Population of the World (GPW) v4 (collection)

Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Human Appropriation of Net Primary Productivity (HANPP) (collection)
Last of the Wild v3 (Human Footprint, 2018 Release (1993)) - 10.7927/H4H9938Z
Last of the Wild v3 (Human Footprint, 2018 Release (2009)) - 10.7927/H46T0JQ4
NASA REMOTE SENSING (ASTER)
NASA REMOTE SENSING (GRACE)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SMAP)
NASA REMOTE SENSING (VIIRS DNB)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

De Lotto, R., Pietra, C., & Venco, E. M. (2019). *Risk analysis: A focus on urban exposure estimation.* Paper presented at the Computational Science and Its Applications – ICCSA 2019, St. Petersburg, Russia.
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4F47M65

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Gridded Population of the World (GPW) v3 (collection)
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Poverty Mapping (collection)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

De Vos, C. J., Taylor, R. A., Simons, R. R. L., Roberts, H., Hultén, C., A., D. K. A., . . . Snary, E. L. (2019). Generic approaches for Risk Assessment of Infectious animal Disease introduction (G-RAID). *EFSA Supporting Publications, 16*(11), 1743E. doi:10.2903/sp.efsa.2019.EN-1743
Gridded Population of the World (GPW) v4 (unspecified)

Degefu, D. M., Liao, Z., He, W., Yuan, L., An, M., Zhang, Z., & Xia, W. (2019). The impact of upstream sub-basins' water use on middle stream and downstream sub-basins' water security at country-basin unit spatial scale and monthly temporal resolution. *International Journal of Environmental Research and Public Health, 16*(3), 450. doi:10.3390/ijerph16030450
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Degefu, D. M., Weijun, H., Zaiyi, L., Liang, Y., Zhengwei, H., & Min, A. (2018). Mapping monthly water

scarcity in global transboundary basins at country-basin mesh based spatial resolution. *Scientific Reports, 8*(1), 2144. doi:10.1038/s41598-018-20032-w
Gridded Population of the World (GPW) v3 (population density)
Gridded Population of the World (GPW) v4 beta (population count UN WPP-adjusted)

del Portillo, I., Cameron, B. G., & Crawley, E. F. (2019). A technical comparison of three low earth orbit satellite constellation systems to provide global broadband. *Acta Astronautica, 159*, 123-135. doi:10.1016/j.actaastro.2019.03.040
Gridded Population of the World (GPW) v4 (population count)

Demaya, G. S., Behangana, M., Petrozzi, F., Fa, J. E., & Luiselli, L. (2023). Human density impacts Nubian Flapshell turtle survival in Sub-Saharan Africa: Future conservation strategies. *Journal of Arid Environments, 217*, 105027. doi:10.1016/j.jaridenv.2023.105027
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)

Demuzere, M., Hankey, S., Mills, G., Zhang, W., Lu, T., & Bechtel, B. (2020). Combining expert and crowd-sourced training data to map urban form and functions for the continental US. *Scientific Data, 7*(1), 264. doi:10.1038/s41597-020-00605-z
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

Deng, X., Ma, W., Ren, Z., Zhang, M., Grieneisen, M. L., Chen, X., . . . Lv, X. (2020). Spatial and temporal trends of soil total nitrogen and C/N ratio for croplands of East China. *Geoderma, 361*, 114035. doi:10.1016/j.geoderma.2019.114035
Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Deng, Y., Wang, S., Bai, X., Luo, G., Wu, L., Cao, Y., . . . Tian, S. (2020). Variation trend of global soil moisture and its cause analysis. *Ecological Indicators, 110*, 105939. doi:10.1016/j.ecolind.2019.105939
Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (AVHRR GIMMS)

Depsky, N., Bolliger, I., Allen, D., Choi, J. H., Delgado, M., Greenstone, M., . . . Hsiang, S. M. (2023). DSCIM-Coastal v1.1: an open-source modeling platform for global impacts of sea level rise. *Geoscientific Model Development, 16*(14), 4331-4366. doi:10.5194/gmd-16-4331-2023
Gridded Population of the World (GPW) v4 (population density)

Depsky, N. J., Cushing, L., & Morello-Frosch, R. (2022). High-resolution gridded estimates of population sociodemographics from the 2020 census in California. *PLoS ONE, 17*(7), e0270746. doi:10.1371/journal.pone.0270746
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Gridded Population of the World (GPW) v4.11 (population count)
Gridded Population of the World (GPW) v4.11 (population density)

Desai, R. M., & Shambaugh, G. E. (2021). Measuring the global impact of destructive and illegal fishing on maritime piracy: A spatial analysis. *PLoS ONE, 16*(2), e0246835. doi:10.1371/journal.pone.0246835
Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

Desbureaux, S., Damania, R., Rodella, A.-S., Russ, J., & Zaveri, E. (2019). *The Impact of Water Quality on GDP Growth: Evidence from Around the World*. Retrieved from Washington DC: http://hdl.handle.net/10986/33071
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4D50JX4

Dey, P. K., Mustafa, S., & Yuksel, M. (2021). *Meta-peering: towards automated ISP peer selection*. Paper presented at the Proceedings of the Applied Networking Research Workshop. https://doi.org/10.1145/3472305.3472325
Gridded Population of the World (GPW) v4 (population count)

Di Minin, E., Slotow, R., Fink, C., Bauer, H., & Packer, C. (2021). A pan-African spatial assessment of human conflicts with lions and elephants. *Nature Communications, 12*(1), 2978. doi:10.1038/s41467-021-23283-w
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper -population density)

Di Napoli, C., Romanello, M., Minor, K., Chambers, J., Dasgupta, S., Escobar, L. E., . . . Robinson, E. J. Z. (2023). The role of global reanalyses in climate services for health: Insights from the Lancet Countdown. *Meteorological Applications, 30*(2), e2122. doi:10.1002/met.2122
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)

Diamantini, E., Lutz, S. R., Mallucci, S., Majone, B., Merz, R., & Bellin, A. (2018). Driver detection of water quality trends in three large European river basins. *Science of The Total Environment, 612*, 49-62. doi:10.1016/j.scitotenv.2017.08.172
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Dickens, B. L., Sun, H., Jit, M., Cook, A. R., & Carrasco, L. R. (2018). Determining environmental and anthropogenic factors which explain the global distribution of *Aedes aegypti* and *Ae. albopictus*. *BMJ Global Health, 3*(4), e000801. doi:10.1136/bmjgh-2018-000801
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (SRTM)

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aerosol optical properties in 11 cities from France to Siberia. *Remote Sensing, 9*(10), 29pp. doi:10.3390/rs9100978
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (CALIOP Lidar)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (unspecified)

DiLorenzo, M. (2021). Trade layoffs and hate in the United States. *Social Science Quarterly, 102*(2), 771-785. doi:10.1111/ssqu.12930
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

DiLorenzo, M. (2023). International politics and the subnational allocation of World Bank development projects. *Political Studies Review, 21*(2), 400-411. doi:10.1177/14789299231153821
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)

Ding, F., Fu, J., Jiang, D., Hao, M., & Lin, G. (2018). Mapping the spatial distribution of *Aedes aegypti* and *Aedes albopictus*. *Acta Tropica, 178*, 155-162. doi:10.1016/j.actatropica.2017.11.020
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
Satellite-Derived Environmental Indicators (Global Summer Land Surface Temperature (LST) Grids, v1)
REMOTE SENSING (DMSP-OLS)

Ding, F., Wang, Q., Fu, J., Chen, S., Hao, M., Ma, T., . . . Jiang, D. (2019). Risk factors and predicted distribution of visceral leishmaniasis in the Xinjiang Uygur Autonomous Region, China, 2005–2015. *Parasites & Vectors, 12*(1), 528. doi:10.1186/s13071-019-3778-z
Gridded Population of the World (GPW) v4.10 (population density)
REMOTE SENSING (DMSP-OLS)

Ding, S., He, J., Liu, D., Zhang, R., & Yu, S. (2020). The spatially heterogeneous response of aerosol properties to anthropogenic activities and meteorology changes in China during 1980–2018 based on the singular value decomposition method. *Science of The Total Environment, 724*, 138135. doi:10.1016/j.scitotenv.2020.138135
Gridded Population of the World (GPW) v3 (population count) - 10.7927/H4639MPP
Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM
NASA REMOTE SENSING (MERRA-2)

Djagba, J. F., Kouyaté, A. M., Baggie, I., & Zwart, S. J. (2019). A geospatial dataset of inland valleys in four zones in Benin, Sierra Leone and Mali. *Data in Brief, 23*, 103699. doi:10.1016/j.dib.2019.103699
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (SRTM)

Djagba, J. F., Sintondji, L. O., Kouyaté, A. M., Baggie, I., Agbahungba, G., Hamadoun, A., & Zwart, S. J. (2018). Predictors determining the potential of inland valleys for rice production development in West Africa. *Applied Geography, 96*, 86-97. doi:10.1016/j.apgeog.2018.05.003
Gridded Population of the World (GPW) v4 (population density)

NASA REMOTE SENSING (SRTM)

Djemai, E. (2018). Roads and the spread of AIDS in Africa. *Journal of Health Economics, 60*, 118-141.
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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

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Gridded Population of the World (GPW) v4 (collection)

Do, H. X., Gudmundsson, L., Leonard, M., & Westra, S. (2018). The Global Streamflow Indices and
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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Global Reservoir and Dam (GRanD) v1.01 (dams)

Doan, T. T. T. (2022). *Essays on Impacts of Climate, Energy Conservation Policy, and Optimal Energy
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Gridded Population of the World (GPW) v4.11 (admin unit center points)

Dobbins, J., & Jones, S. G. (2017). The end of a caliphate. *Survival, 59*(3), 55-72.
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Gridded Population of the World (GPW) v4 (population count)

Dobler, A. H., Geist, J., Stoeckl, K., & Inoue, K. (2019). A spatially explicit approach to prioritize protection
    areas for endangered freshwater mussels. *Aquatic Conservation: Marine and Freshwater
    Ecosystems, 29*(1), 12-23. doi:10.1002/aqc.2993
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
Last of the Wild v2 (Global Human Footprint (Geographic))

Dodlova, M., Kis-Katos, K., Kochanova, A., & Wirth, O. (2023). *Mobile Technologies and Firm
    Formalization: Evidence from Uganda*. Retrieved from Helsinki, Finland:
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Gridded Population of the World (GPW) v4.11 (population density)

Dolan, C. B., & McDade, K. K. (2020). Pulling the purse strings: Are there sectoral differences in political
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    doi:10.1371/journal.pone.0232126
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
REMOTE SENSING (DMSP-OLS)

Dolan, H., & Rastelli, R. (2022). A model-based approach to assess epidemic risk. *Statistics in Biosciences,
    14*(3), 452-484. doi:10.1007/s12561-021-09329-z
Gridded Population of the World (GPW) v4.11 (admin unit center points)

Donalisio, M. R., Souza, C. E., Angerami, R. N., & Samy, A. M. (2020). Mapping Brazilian Spotted Fever:

linking etiological agent, vectors, and hosts. *Acta Tropica, 207*, 105496.
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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

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044006. doi:10.1088/1748-9326/acc2d2
Gridded Population of the World (GPW) v4.11 (population count)

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Gridded Population of the World (GPW) v4.11 (admin unit center points) - 10.7927/H4BC3WMT

Dorward, N., & Fox, S. (2022). Population pressure, political institutions, and protests: A multilevel
analysis of protest events in African cities. *Political Geography, 99*, 102762. Retrieved from
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Gridded Population of the World (GPW) v4.11 (collection)

Doss-Gollin, J., Farnham, D. J., Lall, U., & Modi, V. (2021). How unprecedented was the February 2021
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doi:10.1088/1748-9326/ac0278
Gridded Population of the World (GPW) v4 (population density)

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doi:10.1371/journal.pone.0180059
Gridded Population of the World (GPW) v4 (population density)

Dottori, F., Alfieri, L., Rossi, L., Rudari, R., Ward, P. J., & Zhao, F. (2021). Global River Flood Risk Under
Climate Change. In H. Wu, D. P. Lettenmaier, Q. Tang, & P. J. Ward (Eds.), *Global Drought and
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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

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Gridded Population of the World (GPW) v4 (collection)

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NASA REMOTE SENSING (MODIS)

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Global Roads (Global Roads Open Access Data Set (gROADS), v1)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (TRMM)

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NASA REMOTE SENSING (OMI)
NASA REMOTE SENSING (TROPOMI)

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Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
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REMOTE SENSING (Landsat)

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NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

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REMOTE SENSING (VIIRS NTL)

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REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS - MOD13Q1)
NASA REMOTE SENSING (SRTM)

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REMOTE SENSING (DMSP-OLS)

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NASA REMOTE SENSING (IMERG)
NASA (Landslide Hazard Assessment for Situational Awareness (LHASA))

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NASA REMOTE SENSING (IMERG)

NASA REMOTE SENSING (TRMM)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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NASA REMOTE SENSING (Black Marble)

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NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H46T0JKB

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Gridded Population of the World (GPW) v4 (collection)
NASA REMOTE SENSING (ASTER GDEM)
REMOTE SENSING (DigitalGlobe)
REMOTE SENSING (VIIRS NTL)

Engstrom, R., Newhouse, D., & Soundararajan, V. (2020). Estimating small-area population density in Sri

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Gridded Population of the World (GPW) v3 (collection)
Gridded Population of the World (GPW) v4 (collection)
NASA REMOTE SENSING (ASTER GDEM)
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REMOTE SENSING (DigitalGlobe)

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Global Roads (Global Roads Open Access Data Set (gROADS), v1)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
REMOTE SENSING (VIIRS DNB)

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Gridded Population of the World (GPW) v4 (population density)

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10.7927/H4JQ0XZW
Global Reservoir and Dam (GRanD) v1.01 (dams)
Global Reservoir and Dam (GRanD) v1.01 (reservoirs)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.11 (population density)

Etchie, T. O., Etchie, A. T., Adewuyi, G. O., Pillarisetti, A., Sivanesan, S., Krishnamurthi, K., & Arora, N. K.
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Gridded Population of the World (GPW) v4 (population count)

Etchie, T. O., Etchie, A. T., Jauro, A., Pinker, R. T., & Swaminathan, N. (2021). Season, not lockdown, improved air quality during COVID-19 State of Emergency in Nigeria. *Science of The Total Environment, 768*, 145187. doi:10.1016/j.scitotenv.2021.145187
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS - MOD13)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ
REMOTE SENSING (Google Earth)

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Gridded Population of the World (GPW) v4.11 (documentation)
POPGRID

Evangelopoulos, D., Perez-Velasco, R., Walton, H., Gumy, S., Williams, M., Kelly, F. J., & Künzli, N. (2020). The role of burden of disease assessment in tracking progress towards achieving WHO global air quality guidelines. *International Journal of Public Health, 65*(8), 1455-1465. doi:10.1007/s00038-020-01479-z
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)

Everingham, J.-A., Svobodova, K., Lèbre, É., Owen, J. R., & Worden, S. (2022). Comparative capacity of global mining regions to transition to a post-mining future. *The Extractive Industries and Society, 11*, 101136. doi:10.1016/j.exis.2022.101136
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Eythorsson, D., Gardarsson, S. M., & Nijssen, B. (2023). Projected changes to Northern Hemisphere snow conditions over the period 1950–2100, given two emission scenarios. *Remote Sensing Applications: Society and Environment, 30*, 100954. doi:10.1016/j.rsase.2023.100954
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)

Fälth, H. E., Atsmon, D., Reichenberg, L., & Verendel, V. (2021). MENA compared to Europe: The influence of land use, nuclear power, and transmission expansion on renewable electricity system costs. *Energy Strategy Reviews, 33*, 100590. doi:10.1016/j.esr.2020.100590
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

Fan, C. C., Marshall, A., Smolker, H., Gonzalez, M. R., Tapert, S. F., Barch, D. M., . . . Herting, M. M. (2021). Adolescent Brain Cognitive Development (ABCD) study Linked External Data (LED): Protocol and practices for geocoding and assignment of environmental data. *Developmental Cognitive Neuroscience, 52*, 101030. doi:10.1016/j.dcn.2021.101030
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Fang, B., & Lu, M. (2023). Asia faces a growing threat from intraseasonal compound weather whiplash. *Earth's Future, 11*(2), e2022EF003111. doi:10.1029/2022EF003111
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
Population Dynamics (Global One-Eighth Degree Population Base Year and Projection Grids Based on the SSPs, v1.01) - 10.7927/m30p-j498

Fang, Y., Du, S., Scussolini, P., Wen, J., He, C., Huang, Q., & Gao, J. (2018). Rapid population growth in Chinese floodplains from 1990 to 2015. *International Journal of Environmental Research and Public Health, 15*(8), 1602. doi:10.3390/ijerph15081602
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Fang, Z., Zhou, S., Zhang, S., Xing, W., Feng, X., Yang, Q., . . . Wang, J. (2023). Spatial distribution and influencing factors of urban soil organic carbon stocks in Xi'an City, China. *Urban Ecosystems, 26*, 677-388. doi:10.1007/s11252-022-01316-6
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Landsat)

Faragò, M., Benini, L., Sala, S., Secchi, M., & Laurent, A. (2019). National inventories of land occupation and transformation flows in the world for land use impact assessment. *The International Journal of Life Cycle Assessment, 24*(8), 1333-1347. doi:10.1007/s11367-018-01581-8
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Farinosi, F., Giupponi, C., Reynaud, A., Ceccherini, G., Carmona-Moreno, C., De Roo, A., . . . Bidoglio, G. (2018). An innovative approach to the assessment of hydro-political risk: A spatially explicit, data driven indicator of hydro-political issues. *Global Environmental Change, 52*, 286-313. doi:10.1016/j.gloenvcha.2018.07.001
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

Farthing, A., Rosenlieb, E., Steward, D., Reber, T., Njobvu, C., & Moyo, C. (2023). Quantifying agricultural productive use of energy load in Sub-Saharan Africa and its impact on microgrid configurations and costs. *Applied Energy, 343*, 121131. doi:10.1016/j.apenergy.2023.121131
Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (Meteosat)

Fauzi, A., Sakti, A., Yayusman, L., Harto, A., Prasetyo, L., Irawan, B., . . . Wikantika, K. (2019). Contextualizing mangrove forest deforestation in Southeast Asia using environmental and socio-economic data products. *Forests, 10*(11), 952. doi:10.3390/f10110952
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS - MCD12Q1)
NASA REMOTE SENSING (MODIS - MOD44W)
REMOTE SENSING (DMSP-OLS)

Fedele, G., Donatti, C. I., Bornacelly, I., & Hole, D. G. (2021). Nature-dependent people: Mapping human direct use of nature for basic needs across the tropics. *Global Environmental Change, 71*, 102368. doi:10.1016/j.gloenvcha.2021.102368
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4F47M65

Fei, X., Fang, M., & Wang, Y. (2021). Climate change affects land-disposed waste. *Nature Climate Change, 11*, 1004-1005. doi:10.1038/s41558-021-01220-5
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Feinberg, A., Stenke, A., Peter, T., & Winkel, L. H. E. (2020). Constraining atmospheric selenium emissions using observations, global modelling, and Bayesian inference. *Environmental Science & Technology, 54*(12), 7146-7155. doi:10.1021/acs.est.0c01408
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Felbermayr, G., Gröschl, J., Sanders, M., Schippers, V., & Steinwachs, T. (2022). The economic impact of weather anomalies. *World Development, 151*, 105745. doi:10.1016/j.worlddev.2021.105745
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
REMOTE SENSING (DMSP-OLS)

Feliciani, C., Corbetta, A., Haghani, M., & Nishinari, K. (2023). Trends in crowd accidents based on an analysis of press reports. *Safety Science, 164*, 106174. doi:10.1016/j.ssci.2023.106174
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Feng, J., Li, Y., Qiu, Y., & Zhu, F. (2023). Capturing synoptic-scale variations in surface aerosol pollution using deep learning with meteorological data. *Atmospheric Chemistry and Physics, 23*, 375-388. doi:10.5194/acp-23-375-2023
Gridded Population of the World (GPW) v4.11 (population density)

Feng, Q., An, C., Chen, Z., Lee, K., & Wang, Z. (2023). Identification of the driving factors of microplastic load and morphology in estuaries for improving monitoring and management strategies: A global meta-analysis. *Environmental Pollution, 333*, 122014. doi:10.1016/j.envpol.2023.122014
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Feng, Y., Jones, M. R., Chu, N. M., Segev, D. L., & McAdams-DeMarco, M. (2021). Ambient air pollution and mortality among older patients initiating maintenance dialysis. *American Journal of Nephrology, 52*, 217-227. doi:10.1159/000514233
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) with GWR, v1) - 10.7927/H4ZK5DQS

Feng, Y., Wei, Y., Coull, B. A., & Schwartz, J. D. (2023). Measurement error correction for ambient PM2.5 exposure using stratified regression calibration: Effects on all-cause mortality. *Environmental Research, 216*(Part 4), 114792. doi:10.1016/j.envres.2022.114792
Gridded Population of the World (GPW) v4.11 (population density)

Fennessy, M. S., Moon, J. B., & Finlayson, C. M. (2023). 6 - Linking wetland ecological processes with the delivery of ecosystem services. In P. A. Gell, N. C. Davidson, & C. M. Finlayson (Eds.), *Ramsar Wetlands* (pp. 153-178): Elsevier.
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Fenske, J., & Wang, S. (2023). Tradition and mortality: Evidence from twin infanticide in Africa. *Journal of Development Economics, 163*, 103094. doi:10.1016/j.jdeveco.2023.103094
Gridded Population of the World (GPW) v4.11 (population density)

Fernández-García, V., & Kull, C. A. (2023). Refining historical burned area data from satellite observations. *International Journal of Applied Earth Observation and Geoinformation, 120*, 103350. doi:10.1016/j.jag.2023.103350
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Sentinel-2 ALOS)

Ferrara, A., Kosmas, C., Salvati, L., Padula, A., Mancino, G., & Nolè, A. (2020). Environmentally sensitive areas to land degradation and desertification (LDD) at the global level: Updating the MEDALUS-ESA framework for worldwide LDD assessment. *Land Degradation & Development, 31*(12), 1593-1607. doi:10.1002/ldr.3559
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS - MOD13A3)

Ferraz, K. M. P. M. B. (2020). *Modeling Report: Species Distribution Modeling (SDM)*. Retrieved from Apple Valley, MN: http://www.cpsg.org/content/conservation-planning-workshops-javan-leopard-panthera-pardu s-melas-provisional-report
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
NASA REMOTE SENSING (SRTM)

Ferry, M., de Talancé, M., & Niño-Zarazúa, M. (2022). Less debt, more schooling? Evidence from cross-country micro data. *Journal of Comparative Economics, 50*(3), 153-173. doi:10.1016/j.jce.2021.07.002
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Ficetola, G. F., & Rubolini, D. (2021). Containment measures limit environmental effects on COVID-19 early outbreak dynamics. *Science of The Total Environment, 761*, 144432. doi:10.1016/j.scitotenv.2020.144432
Gridded Population of the World (GPW) v4.11 (population density)

Ficklin, D. L., Null, S. E., Abatzoglou, J. T., Novick, K. A., & Myers, D. T. (2022). Hydrological intensification will increase the complexity of water resource management. *Earth's Future, 10*(3), e2021EF002487. doi:10.1029/2021EF002487
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Fist, T., Adesanya, A. A., Denkenberger, D., & Pearce, J. M. (2021). Global distribution of forest classes and leaf biomass for use as alternative foods to minimize malnutrition. *World Food Policy, 7*(2), 128-146. doi:10.1002/wfp2.12030
Gridded Population of the World (GPW) v4.11 (population count)
Poverty Mapping (Global Subnational Prevalence of Child Malnutrition, v1) - 10.7927/H4K64G12

Fitrianto, G., Tanaka, S., & Nishii, R. (2018). Formulation of huge lattice spatial adjacency matrices with non-rectangular shape of socio-economic grid-cell data for the analysis of sustainable economy with high computational efficiency. *Research in World Economy, 9*(2). doi:10.5430/rwe.v9n2p1
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Fleischer, C. E. (2020). Minimising the effects of spatial scale reduction on power system models. *Energy Strategy Reviews, 32*, 100563. doi:10.1016/j.esr.2020.100563
Gridded Population of the World (GPW) v4.11 (unspecified)

Flockhart, D. T. T., Larrivée, M., Prudic, K. L., & Ryan Norris, D. (2019). Estimating the annual distribution of monarch butterflies in Canada over 16 years using citizen science data. *FACETS, 4*(1), 238-253. doi:10.1139/facets-2018-0011
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (Daymet)

Florido Ngu, F., Kelman, I., Chambers, J., & Ayeb-Karlsson, S. (2021). Correlating heatwaves and relative humidity with suicide (fatal intentional self-harm). *Scientific Reports, 11*(1), 22175. doi:10.1038/s41598-021-01448-3
Gridded Population of the World (GPW) v4.11 (national identifier grid) - 10.7927/H4TD9VDP

Flückiger, M., & Ludwig, M. (2023). Mobile phone coverage and infant mortality in sub-Saharan Africa. *Journal of Economic Behavior & Organization, 211*, 462-485. doi:10.1016/j.jebo.2023.05.013
Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (DMSP-OLS)

Flückiger, M., Ludwig, M., & Sina Önder, A. (2019). Ebola and state legitimacy. *The Economic Journal, 129*(621), 2064-2089. doi:10.1111/ecoj.12638
Gridded Population of the World (GPW) v4 (population count)

Font, C., Bregoli, F., Acuña, V., Sabater, S., & Marcé, R. (2019). GLOBAL-FATE (version 1.0.0): A geographical information system (GIS)-based model for assessing contaminants fate in the global river network. *Geoscientific Model Development, 12*(12), 5213-5228. doi:10.5194/gmd-12-5213-2019
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

Fontal, A., Bouma, M. J., San-José, A., López, L., Pascual, M., & Rodó, X. (2021). Climatic signatures in the different COVID-19 pandemic waves across both hemispheres. *Nature Computational Science, 1*(10), 655-665. doi:10.1038/s43588-021-00136-6
Gridded Population of the World (GPW) v4.11 (population count)

Formayer, H., Nadeem, I., Leidinger, D., Maier, P., Schöniger, F., Suna, D., . . . Lehner, F. (2023). SECURES-Met: A European meteorological data set suitable for electricity modelling applications. *Scientific Data, 10*(1), 590. doi:10.1038/s41597-023-02494-4
Gridded Population of the World (GPW) v4.11 (population density)

Frair, J. L., & Bastille-Rousseau, G. (2021). Data collection and quantitative considerations for studying pattern-process relationships on landscapes. In W. F. Porter, C. J. Parent, R. A. Stewart, & D. M. Williams (Eds.), *Wildlife Management and Landscapes: Principles and Applications* (pp. 114-136). Baltimore: Johns Hopkins University Press.
Gridded Population of the World (GPW) v4 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
NASA REMOTE SENSING (many)

Franco, A. C. S., Petry, A. C., Tavares, M. R., de Fátima Ramos Guimarães, T., & dos Santos, L. N. (2022). Global distribution of the South American peacock basses *Cichla* spp. follows human interference. *Fish and Fisheries, 23*(2), 407-421. doi:10.1111/faf.12624
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Frappier-Brinton, T., & Lehman, S. M. (2022). The burning island: Spatiotemporal patterns of fire occurrence in Madagascar. *PLoS ONE, 17*(3), e0263313. doi:10.1371/journal.pone.0263313
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (VIIRS)

Freese, L. M., Chossière, G. P., Eastham, S. D., Jenn, A., & Selin, N. E. (2023). Nuclear power generation phase-outs redistribute US air quality and climate-related mortality risk. *Nature Energy, 8*, 492-503. doi:10.1038/s41560-023-01241-8
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Freire, S., Florczyk, A. J., Pesaresi, M., & Sliuzas, R. (2019). An improved global analysis of population distribution in proximity to active volcanoes, 1975–2015. *ISPRS International Journal of Geo-Information, 8*(8), 341. doi:10.3390/ijgi8080341
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)

Freire, S., Schiavina, M., Florczyk, A. J., MacManus, K., Pesaresi, M., Corbane, C., . . . Sliuzas, R. (2020). Enhanced data and methods for improving open and free global population grids: putting 'leaving no one behind' into practice. *International Journal of Digital Earth, 13*(1), 61-77. doi:10.1080/17538947.2018.1548656
Gridded Population of the World (GPW) v4 (collection)
Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

Fricker, T., Elsner, J. B., & Jagger, T. H. (2017). Population and energy elasticity of tornado casualties. *Geophysical Research Letters, 44*(8), 3941-3949. doi:10.1002/2017GL073093
Gridded Population of the World (GPW) v4 (population density)

Fries, B., Guerra, C. A., García, G. A., Wu, S. L., Smith, J. M., Oyono, J. N. M., . . . Dolgert, A. J. (2021). Measuring the accuracy of gridded human population density surfaces: A case study in Bioko Island, Equatorial Guinea. *PLoS ONE, 16*(9), e0248646. doi:10.1371/journal.pone.0248646
Gridded Population of the World (GPW) v4 (population density)

Fu, J., Gao, Q., Jiang, D., Li, X., & Lin, G. (2023). Spatial–temporal distribution of global production–living–ecological space during the period 2000–2020. *Scientific Data, 10*(1), 589. doi:10.1038/s41597-023-02497-1
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Fu, J., Tang, D., Grieneisen, M. L., Yang, F., Yang, J., Wu, G., . . . Zhan, Y. (2023). A machine learning-based approach for fusing measurements from standard sites, low-cost sensors, and satellite retrievals: Application to NO2 pollution hotspot identification. *Atmospheric Environment, 302*, 119756. doi:10.1016/j.atmosenv.2023.119756
Gridded Population of the World (GPW) v4 (population count)

NASA REMOTE SENSING (MODIS - MOD13Q1)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (TROPOMI)

Fu, Y., Pang, Q., Suo Lang Zhuo, G., Wu, P., Wang, Y., Mao, M., . . . Zhang, Y. (2023). Modeling atmospheric microplastic cycle by GEOS-Chem: An optimized estimation by a global dataset suggests likely 50 times lower ocean emissions. *One Earth, 6*(6), 705-714. doi:10.1016/j.oneear.2023.05.012
Gridded Population of the World (GPW) v4.11 (population density)

Gabey, A. M., Grimmond, C. S. B., & Capel-Timms, I. (2019). Anthropogenic heat flux: advisable spatial resolutions when input data are scarce. *Theoretical and Applied Climatology, 135*(1-2), 791-807. doi:10.1007/s00704-018-2367-y
Gridded Population of the World (GPW) v4 (population density)

Gädeke, A., Langer, M., Boike, J., Burke, E., J., Chang, J., Head, M., . . . Thonicke, K. (2021). Climate change reduces winter overland travel across the Pan-Arctic even under low-end global warming scenarios. *Environmental Research Letters, 16*(2), 024049. doi:10.1088/1748-9326/abdcf2
Gridded Population of the World (GPW) v4 (documentation) - 10.7927/H4B56GPT

Gajdzik, L., DeCarlo, T. M., Aylagas, E., Coker, D. J., Green, A. L., Majoris, J. E., . . . Berumen, M. L. (2021). A portfolio of climate-tailored approaches to advance the design of marine protected areas in the Red Sea. *Global Change Biology, 27*(17), 3956-3968. doi:10.1111/gcb.15719
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Galimberti, J. K., Pichler, S., & Pleninger, R. (2020). *Measuring Inequality using Geospatial Data*. Retrieved from Auckland: https://www.aut.ac.nz/__data/assets/pdf_file/0010/399394/working-paper-20_07.pdf
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)
REMOTE SENSING (DMSP-OLS)

Gallego-Zamorano, J., Benítez-López, A., Santini, L., Hilbers, J. P., Huijbregts, M. A. J., & Schipper, A. M. (2020). Combined effects of land use and hunting on distributions of tropical mammals. *Conservation Biology, 34*(5), 1271-1280. doi:10.1111/cobi.13459
Gridded Population of the World (GPW) v3 (population density)
Gridded Population of the World (GPW) v4.10 (population density)

Gan, R. W., Liu, J., Ford, B., O'Dell, K., Vaidyanathan, A., Wilson, A., . . . Magzamen, S. (2020). The association between wildfire smoke exposure and asthma-specific medical care utilization in Oregon during the 2013 wildfire season. *Journal of Exposure Science & Environmental Epidemiology, 30*, 618-628. doi:10.1038/s41370-020-0210-x
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
NASA REMOTE SENSING (MODIS)

Ganglo, J. C. (2023). Ecological niche model transferability of the white star apple (*Chrysophyllum albidum* G. Don) in the context of climate and global changes. *Scientific Reports, 13*(1), 2430. doi:10.1038/s41598-023-29048-3
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Gao, H., Luo, Y., Jiang, X., Zhang, D.-L., Chen, Y., Wang, Y., & Shen, X. (2021). A statistical analysis of extreme hot characteristics and their relationships with urbanization in Southern China during 1971-2020. *Journal of Applied Meteorology and Climatology, 60*(9), 1301-1317. doi:10.1175/JAMC-D-21-0012.1
Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

Gao, J., & O'Neill, B. C. (2020). Mapping global urban land for the 21st century with data-driven simulations and Shared Socioeconomic Pathways. *Nature Communications, 11*(1), 2302. doi:10.1038/s41467-020-15788-7
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Gao, J., & O'Neill, B. (2019). Data-driven spatial modeling of long-term urban land development potential for global environmental change impact assessment: The SELECT model. *Environmental Modelling & Software, 119*, 458-471. doi:10.1016/j.envsoft.2019.06.015
Gridded Population of the World (GPW) v4 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (land and geographic area grids)
Population Dynamics (Global One-Eighth Degree Population Projection Grids for the SSPs, v1)

Gao, M., Beig, G., Song, S., Zhang, H., Hu, J., Ying, Q., . . . McElroy, M. B. (2018). The impact of power generation emissions on ambient PM2.5 pollution and human health in China and India. *Environment International, 121*, 250-259. doi:10.1016/j.envint.2018.09.015
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Gao, M., Piao, S., Chen, A., Yang, H., Liu, Q., Fu, Y. H., & Janssens, I. A. (2019). Divergent changes in the elevational gradient of vegetation activities over the last 30 years. *Nature Communications, 10*(1), 2970. doi:10.1038/s41467-019-11035-w
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
NASA REMOTE SENSING (AVHRR GIMMS)
NASA REMOTE SENSING (MODIS - MCD12C1)
REMOTE SENSING (DMSP-OLS)

Gao, M., Zhang, X., Yue, Y., Qiu, T., Wang, J., & Wang, X. (2022). Air path of antimicrobial resistance related genes from layer farms: emission inventory, atmospheric transport, and human exposure. *Journal of Hazardous Materials, 430*, 128417. doi:10.1016/j.jhazmat.2022.128417
Gridded Population of the World (GPW) v4.11 (admin unit center points)

Gao, P., Gao, Y., Zhang, X., Ye, S., & Song, C. (2023). CLUMondo-BNU for simulating land system changes based on many-to-many demand–supply relationships with adaptive conversion orders. *Scientific Reports, 13*(1), 5559. doi:10.1038/s41598-023-31001-3
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

Gao, P., Wu, T., Ge, Y., & Li, Z. (2022). Improving the accuracy of extant gridded population maps using multisource map fusion. *GIScience & Remote Sensing, 59*(1), 54-70. doi:10.1080/15481603.2021.2012371
Gridded Population of the World (GPW) v4 (collection)

Gao, X., Liu, J., & Huang, Z. (2022). The impact of climate change on the distribution of rare and endangered tree *Firmiana kwangsiensis* using the Maxent modeling. *Ecology and Evolution, 12*(8), e9165. doi:10.1002/ece3.9165
Gridded Population of the World (GPW) v4.11 (population density)

García de Jalón, S., Burgess, P. J., Curiel Yuste, J., Moreno, G., Graves, A., Palma, J. H. N., . . . Chiabai, A. (2019). Dry deposition of air pollutants on trees at regional scale: A case study in the Basque Country. *Agricultural and Forest Meteorology, 278*, 107648. doi:10.1016/j.agrformet.2019.107648
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
NASA REMOTE SENSING (MODIS)

García-León, D., Casanueva, A., Standardi, G., Burgstall, A., Flouris, A. D., & Nybo, L. (2021). Current and projected regional economic impacts of heatwaves in Europe. *Nature Communications, 12*(1), 5807. doi:10.1038/s41467-021-26050-z
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)

Garg, T., McCord, G. C., & Montfort, A. (2020). *Can Social Protection Reduce Environmental Damages?* Retrieved from Bonn: https://www.iza.org/en/publications/dp/13247/can-social-protection-reduce-environmental-damages
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)

Garrett, J. K., Donald, P. F., & Gaston, K. J. (2020). Skyglow extends into the world's Key Biodiversity Areas. *Animal Conservation, 23*(2), 153-159. doi:10.1111/acv.12480
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (VIIRS)

Gassebner, M., Schaudt, P., & Wong, M. H. L. (2020). *Armed Groups in Conflict: Competition and Political Violence in Pakistan*. Retrieved from Munich: https://www.cesifo.org/en/publikationen/2020/working-paper/armed-groups-conflict-competition-and-political-violence-pakistan
Gridded Population of the World (GPW) v4 (population density)

Gassebner, M., Schaudt, P., & Wong, M. H. L. (2023). Armed groups: Competition and political violence. *Journal of Development Economics, 162*, 103052. doi:10.1016/j.jdeveco.2023.103052
Gridded Population of the World (GPW) v4 (population density)

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NASA REMOTE SENSING (MODIS)

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NASA REMOTE SENSING (SRTM)
REMOTE SENSING (ENVISAT Advanced Synthetic Aperture Radar)
REMOTE SENSING (TanDEM-X (TDX))

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REMOTE SENSING (Sentinel-1 SAR)

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REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

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NASA REMOTE SENSING (MERRA-2)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Terra SAR-X (TSX))

Georg, I., Blaschke, T., & Taubenböck, H. (2023). Spatial delineation of urban corridors in North America: An approach incorporating fuzziness based on multi-source geospatial data. *Cities, 133*, 104129. doi:10.1016/j.cities.2022.104129
Gridded Population of the World (GPW) v4.10 (population density)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

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Gridded Population of the World (GPW) v4.11 (admin unit center points) - 10.7927/H4BC3WMT
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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (OMI NO2)
REMOTE SENSING (TROPOMI)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS - MOD04)

Ghahremanloo, M., Lops, Y., Choi, Y., Jung, J., Mousavinezhad, S., & Hammond, D. (2022). A comprehensive study of the COVID-19 impact on PM2.5 levels over the contiguous United States: A deep learning approach. *Atmospheric Environment, 272*, 118944. doi:10.1016/j.atmosenv.2022.118944
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NASA REMOTE SENSING (MODIS -MOD13C1)
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NASA REMOTE SENSING (TROPOMI)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

NASA REMOTE SENSING (MODIS - MCD12Q1)

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Gridded Population of the World (GPW) v4.10 (population density)

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REMOTE SENSING (GOSAT)

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Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
NASA REMOTE SENSING (MODIS land cover)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)

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NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (DMSP-OLS)

Graham, A. M., Pope, R. J., McQuaid, J. B., Pringle, K., Arnold, S., Bruno, A. G., . . . Latter, B. G. (2020).
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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
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REMOTE SENSING (TROPOMI)

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Land Use and Land Cover (LULC) (Global Grid of Probabilities of Urban Expansion to 2030, v1)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

Guegan, J.-F., Ayouba, A., Capelle, J., & de Thoisy, B. (2020). Forest and emerging infectious diseases: Unleashing the beast within. *Environmental Research Letters, 15*(8), 083007. doi:10.1088/1748-9326/ab8dd7
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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (FLDAS Noah Land Surface Model L4 Global Monthly Climatology)

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Guevara, M., Petetin, H., Jorba, O., Denier van der Gon, H. A. C., Kuenen, J., Super, I., . . . Pérez García-Pando, C. (2022). European primary emissions of criteria pollutants and greenhouse gases in 2020 modulated by the COVID-19 pandemic disruptions. *Earth System Science Data, 14*, 2521-2552. doi:10.5194/essd-14-2521-2022
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

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Gridded Population of the World (GPW) v4 (population count)

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NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (TRMM)
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (GeoEye-1)
REMOTE SENSING (Pleiades-1)
REMOTE SENSING (SkySat)
REMOTE SENSING (WorldView-2)
REMOTE SENSING (WorldView-3)

Guo, J., Yang, L., Rincon, D., Sallent, S., Chen, Q., & Liu, X. (2022). Static placement and dynamic assignment of SDN controllers in LEO satellite networks. *IEEE Transactions on Network and Service Management, 19*(4), 4975-4988. doi:10.1109/TNSM.2022.3184989
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4.11 (population density)
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Land Use and Land Cover (LULC) (Global Human Modification of Terrestrial Systems, v1)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)

Gupta, L., Dev, R., Zaidi, K., Sunder Raman, R., Habib, G., & Ghosh, B. (2021). Assessment of PM10 and PM2.5 over Ghaziabad, an industrial city in the Indo-Gangetic Plain: spatio-temporal variability and associated health effects. *Environmental Monitoring and Assessment, 193*(11), 735. doi:10.1007/s10661-021-09411-5
Gridded Population of the World (GPW) v4.11 (population count)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)

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NASA REMOTE SENSING (MODIS MAIAC)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS LST)
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4.11 (population count)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
REMOTE SENSING (Sentinel-2)

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Gridded Population of the World (GPW) v4.10 (population count)
NASA REMOTE SENSING (MISR)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (VIIRS)

Hammer, M. S., van Donkelaar, A., Li, C., Lyapustin, A., Sayer, A. M., Hsu, N. C., . . . Martin, R. V. (2020). Global estimates and long-term trends of fine particulate matter concentrations (1998-2018). *Environmental Science & Technology, 54*(13), 7879-7890. doi:10.1021/acs.est.0c01764
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MISR)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SeaWiFS)

Hammer, M. S., van Donkelaar, A., Martin, R. V., McDuffie, E. E., Lyapustin, A., Sayer, A. M., . . . Kahn, R. A. (2021). Effects of COVID-19 lockdowns on fine particulate matter concentrations. *Science Advances, 7*(26), eabg7670. doi:10.1126/sciadv.abg7670

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NASA REMOTE SENSING (MISR)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (OMI)
REMOTE SENSING (DMSP-OLS)

Han, W., & Tong, L. (2019). Satellite-based estimation of daily ground-level PM2.5 concentrations over urban agglomeration of Chengdu Plain. *Atmosphere, 10*(5), 245. doi:10.3390/atmos10050245
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MODIS)

Han, W., Xu, Z., Hu, X., Cao, R., Wang, Y., Jin, J., . . . Li, G. (2023). Air pollution, greenness and risk of overweight among middle-aged and older adults: A cohort study in China. *Environmental Research, 216*(Part 1), 114372. doi:10.1016/j.envres.2022.114372
Gridded Population of the World (GPW) v4.11 (population count)

Han, Y., Jiang, Y., Xiong, X., Sui, X., Zhu, R., Feng, X., . . . Chen, Y. (2023). Mercury biomagnification at higher rates than the global average in aquatic ecosystems of the Qinghai-Tibet Plateau. *Journal of Hazardous Materials, 453*, 131408. doi:10.1016/j.jhazmat.2023.131408
Gridded Population of the World (GPW) v4.11 (population density)

Han, Y., Zhao, W., & Pereira, P. (2022). Global COVID-19 pandemic trends and their relationship with meteorological variables, air pollutants and socioeconomic aspects. *Environmental Research, 204*(Part C), 112249. doi:10.1016/j.envres.2021.112249
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (Sentinel-5P)

Han, Z., & Song, W. (2022). Interannual trends of vegetation and responses to climate change and human activities in the Great Mekong Subregion. *Global Ecology and Conservation, 38*, e02215. doi:10.1016/j.gecco.2022.e02215
Gridded Population of the World (GPW) v3 (population density) - 10.7927/H4XK8CG2
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (GIMMS NDVI)

Hanafi-Bojda, A. A., Motazakker, M., Vatandoost, H., Dabiri, F., & Chavshin, A. R. (2021). Sindbis virus infection of mosquito species in the wetlands of northwestern Iran and modeling the probable ecological niches of SINV vectors in the country. *Acta Tropica, 220*, 105952. doi:10.1016/j.actatropica.2021.105952
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

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Gridded Population of the World (GPW) v4 (population count)
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Gridded Population of the World (GPW) v4 (population density)
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Hansen, C. H., Pilla, R. M., Matson, P. G., Skinner, B., Griffiths, N. A., & Jager, H. I. (2023). Variability in modelled reservoir greenhouse gas emissions: comparison of select US hydropower reservoirs against global estimates. *Environmental Research Communications, 4*(12), 121008. doi:10.1088/2515-7620/acae24
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Hao, M., Jiang, D., Ding, F., Fu, J., & Chen, S. (2019). Simulating spatio-temporal patterns of terrorism incidents on the Indochina Peninsula with GIS and the random forest method. *ISPRS International Journal of Geo-Information, 8*(3), 133. doi:10.3390/ijgi8030133
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)
Natural Disaster Hotspots (multihazard frequency and distribution)
NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (MODIS LST)
REMOTE SENSING (DMSP-OLS)

Hao, X., & Nabe-Nielsen, J. (2023). Distribution and speed of recreational boats in Danish waters based on coastal observations and satellite images: Predicting where boats may affect harbour porpoises. *Ocean & Coastal Management, 242*, 106721. doi:10.1016/j.ocecoaman.2023.106721
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (GeoEye-1)
REMOTE SENSING (Pleiades-1)

REMOTE SENSING (WorldView-1)

Haqiqi, I., Grogan, D. S., Bahalou, M., Liu, J., Baldos, U. L. C., Lammers, R. B., & Hertel, T. W. (2023). Local, regional, and global adaptations to a compound pandemic-weather stress event. *Environmental Research Letters, 18*(3), 035005. doi:10.1088/1748-9326/acbbe3
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

Haritha, V. S., Sreenath, K. R., Anakha, M., Joshi, K. K., & Shelton, P. (2019). Vulnerability of south east coastal villages of India on sea level rise. *Journal of the Marine Biological Association of India, 61*(1), 31-37. doi:10.6024/jmbai.2019.61.1.2085-04
Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

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Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Harrington, L. J., Schleussner, C.-F., & Otto, F. E. L. (2021). Quantifying uncertainty in aggregated climate change risk assessments. *Nature Communications, 12*(1), 7140. doi:10.1038/s41467-021-27491-2
Gridded Population of the World (GPW) v4 (population density)

Harrison-Atlas, D., Theobald, D. M., Dickson, B. G., Landau, V., & Leinwand, I. (2017). *Description of the Approach, Data, and Analytical Methods Used to Evaluate River Systems in the Western U.S.* Retrieved from Truckee CA: https://disappearingwest.org/rivers/methodology.pdf
Gridded Population of the World (GPW) v4 (population count)

Hart, O. E., & Halden, R. U. (2020). Modeling wastewater temperature and attenuation of sewage-borne biomarkers globally. *Water Research, 172*, 115473. doi:10.1016/j.watres.2020.115473
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Hartinger, S. M., Yglesias-González, M., Blanco-Villafuerte, L., Palmeiro-Silva, Y. K., Lescano, A. G., Stewart-Ibarra, A., . . . Romanello, M. (2023). The 2022 South America report of The *Lancet* Countdown on health and climate change: trust the science. Now that we know, we must act. *The Lancet Regional Health – Americas, 20*, 100470. doi:10.1016/j.lana.2023.100470
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4 (population density)

Hasan, E., & Tarhule, A. (2020). GRACE: Gravity Recovery and Climate Experiment long-term trend investigation over the Nile River Basin: Spatial variability drivers. *Journal of Hydrology, 586*, 124870. doi:10.1016/j.jhydrol.2020.124870
Gridded Population of the World (GPW) v4.10 (basic demographic characteristics)
NASA REMOTE SENSING (GRACE)
NASA REMOTE SENSING (MODIS - MOD14C2)

Haughan, A. E., Pettorelli, N., Potts, S. G., & Senapathi, D. (2022). Determining the role of climate change in India's past forest loss. *Global Change Biology, 28*(12), 3883-3901. doi:10.1111/gcb.16161
Gridded Population of the World (GPW) v4.11 (population density)

Haughan, A. E., Pettorelli, N., Potts, S. G., & Senapathi, D. (2022). The role of climate in past forest loss in an ecologically important region of South Asia. *Global Change Biology, 28*(12), 3883-3901. doi:10.1111/gcb.16161
Gridded Population of the World (GPW) v4.11 (population density)

Haughan, A. E., & Senapathi, D. (2022). *Changes in Climate Trends and Velocities, Forest Loss and Population Density Between 2001-2018 in India's Districts*. Retrieved from: https://doi.org/10.17864/1947.000364
Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.10 (population count)

He, C., Ji, M., Li, T., Liu, X., Tang, D., Zhang, S., . . . Zhan, Y. (2022). Deriving full-coverage and fine-scale XCO2 across China based on OCO-2 satellite retrievals and CarbonTracker Output. *Geophysical Research Letters, 49*(12), e2022GL098435. doi:10.1029/2022GL098435
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (OCO)

He, C., Yin, P., Liu, Z., Huang, J., Chen, Y., Gao, X., . . . Zhou, M. (2023). Projections of excess deaths related to cold spells under climate and population change scenarios: A nationwide time series modeling study. *Environment International, 178*, 108034. doi:10.1016/j.envint.2023.108034
Gridded Population of the World (GPW) v4 (population count)

He, Q., & Silliman, B. R. (2019). Climate change, human impacts, and coastal ecosystems in the Anthropocene. *Current Biology, 29*(19), R1021-R1035. doi:10.1016/j.cub.2019.08.042
Gridded Population of the World (GPW) v4 (population density)

Hedelius, J. K., Toon, G. C., Buchholz, R. R., Iraci, L. T., Podolske, J. R., Roehl, C. M., . . . Wunch, D. (2021). Regional and urban column CO trends and anomalies as observed by MOPITT over 16 years. *Journal of Geophysical Research: Atmospheres, 126*(5), e2020JD033967. doi:10.1029/2020JD033967
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MOPITT CO)

Heft-Neal, S., Gould, C. F., Childs, M. L., Kiang, M. V., Nadeau, K. C., Duggan, M., . . . Burke, M. (2023). Emergency department visits respond nonlinearly to wildfire smoke. *Proceedings of the National Academy of Sciences, 120*(39), e2302409120. doi:10.1073/pnas.2302409120
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
NASA REMOTE SENSING (MODIS)

Heger, M. P., Zens, G. F., & Bangalore, M. (2018). *Does the environment matter for poverty reduction ? the role of soil fertility and vegetation vigor in poverty reduction*. Retrieved from Washington DC: http://documents.worldbank.org/curated/en/732471533299978428/Does-the-environment-matter-for-poverty-reduction-the-role-of-soil-fertility-and-vegetation-vigor-in-poverty-reduction
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) - 10.7927/H4F47M2C
NASA REMOTE SENSING (MODIS)

Heger, M. P., Zens, G. F., & Bangalore, M. (2020). Land and poverty: the role of soil fertility and vegetation quality in poverty reduction. *Environment and Development Economics, 25*(4), 315-333. doi:10.1017/S1355770X20000066
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)
NASA REMOTE SENSING (MODIS NPP)

Hein, L., Spadaro, J. V., Ostro, B., Hammer, M., Sumarga, E., Salmayenti, R., . . . Castañeda, J.-P. (2022). The health impacts of Indonesian peatland fires. *Environmental Health, 21*(1), 62. doi:10.1186/s12940-022-00872-w
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MISR)
NASA REMOTE SENSING (MODIS)

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NASA REMOTE SENSING (ASTER)
REMOTE SENSING (Landsat)

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NASA REMOTE SENSING (IMERG)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (OMI SO2)
NASA REMOTE SENSING (TRMM)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
NASA REMOTE SENSING (NACP MsTMIP -ORNL)
REMOTE SENSING (Landsat)

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NASA REMOTE SENSING (GIMMS NDVI)
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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)

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REMOTE SENSING (Sentinel-2 Multispectral Imager (MSI))

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REMOTE SENSING (Landsat)

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NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4.11 (admin unit center points)
REMOTE SENSING (GOME)

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REMOTE SENSING (DMSP-OLS)

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NASA REMOTE SENSING (MODIS - MOD17A3H)

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NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4 (population density)
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NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS)

Hua, T., Zhao, W., Cherubini, F., Hu, X., & Pereira, P. (2022). Effectiveness of protected areas edges on
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Gridded Population of the World (GPW) v4.11 (population density)
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Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted)
Human Appropriation of Net Primary Productivity (HANPP) (Global Patterns in Net Primary Productivity,
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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (SMAP)

Huang, S.-L., Wang, X., Wu, H., Peng, C., & Jefferson, T. A. (2022). Habitat protection planning for

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
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NASA REMOTE SENSING (GRACE)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

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NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (TRMM)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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POPGRID

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4 (collection)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (TROPOMI)

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Gridded Population of the World (GPW) v4.11 (admin unit center points)

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Poverty Mapping (Global Subnational Prevalence of Child Malnutrition, v1)

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Gridded Population of the World (GPW) v4.11 (admin unit center points)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (MOPITT CO)

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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)
Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) - 10.7927/H4F47M2C
REMOTE SENSING (VIIRS NTL)

Injaian, A. S., Francis, C. D., Ouyang, J. Q., Dominoni, D. M., Donald, J. W., Fuxjager, M. J., . . . Vitousek, M. N. (2020). Baseline and stress-induced corticosterone levels across birds and reptiles do not reflect urbanization levels. *Conservation Physiology, 8*(1), coz110. doi:10.1093/conphys/coz110
Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population density)

NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Satellite-Derived Environmental Indicators (Global Fire Emissions Indicators, Grids, v1) - 10.7927/H400002V

NASA REMOTE SENSING (MODIS)

NASA REMOTE SENSING (TRMM)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Global Roads (Global Roads Open Access Data Set (gROADS), v1)

NASA REMOTE SENSING (MODIS Vegetation Continuous Fields)

REMOTE SENSING (Landsat)

Järvi, L., Grimmond, C. S. B., McFadden, J. P., Christen, A., Strachan, I. B., Taka, M., . . . Heimann, M. (2017). Warming effects on the urban hydrology in cold climate regions. *Scientific Reports, 7*(1), 8pp. doi:10.1038/s41598-017-05733-y

Gridded Population of the World (GPW) v4 (population count)

NASA REMOTE SENSING (MODIS - MOD10CM)

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Gridded Population of the World (GPW) v4.11 (unspecified)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics) - 10.7927/H46M34XX

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)
NASA REMOTE SENSING (VIIRS DNB)

Ji, P., Yuan, X., Liang, X.-Z., Jiao, Y., Zhou, Y., & Liu, Z. (2021). High-resolution land surface modeling of the effect of long-term urbanization on hydrothermal changes over Beijing metropolitan area. *Journal of Geophysical Research: Atmospheres, 126*(18), e2021JD034787. doi:10.1029/2021JD034787
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

Jia, B., Gao, M., Zhang, X., Xiao, X., Zhang, S., & Lam Yung, K. K. (2021). Rapid increase in mortality attributable to PM2.5 exposure in India over 1998–2015. *Chemosphere, 269*, 128715. doi:10.1016/j.chemosphere.2020.128715
Gridded Population of the World (GPW) v3 (population count)
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Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (Landsat)

Jia, Y., Jiang, Y., Liu, Y., Sui, X., Feng, X., Zhu, R., . . . Chen, Y. (2022). Unravelling fish community assembly in shallow lakes: Insights from functional and phylogenetic diversity. *Reviews in Fish Biology and Fisheries, 32*, 623-644. doi:10.1007/s11160-021-09688-2
Gridded Population of the World (GPW) v4.11 (population count)
Population Dynamics (Global Population Count Grid Time Series Estimates, v1)

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Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4) - 10.7927/H42V2D1C
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MERRA-2)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (OMI NO2)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)

Jian–Ting, Z., Bu–Da, S., Kumar Mondal, S., Yan–Jun, W., Hui, T., & Tong, J. (2021). Population exposure to precipitation extremes in the Indus River Basin at 1.5°C, 2 °C and 3°C warming levels. *Advances in Climate Change Research, 12*(2), 199-209. doi:10.1016/j.accre.2021.03.005
Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (VIIRS NTL)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

Jimenez, R. B., Bozigar, M., Janulewicz, P., Lane, K. J., Hutyra, L. R., & Fabian, M. P. (2023). School greenness and student-level academic performance: Evidence from the Global South. *GeoHealth, 7*(8), e2023GH000830. doi:10.1029/2023GH000830
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
REMOTE SENSING (Landsat)

Jiménez-Parra, B., Alonso-Martínez, D., & Godos-Díez, J.-L. (2018). The influence of corporate social responsibility on air pollution: Analysis of environmental regulation and eco-innovation effects. *Corporate Social Responsibility and Environmental Management, 25*(6), 1363-1375. doi:10.1002/csr.1645
Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
Population Dynamics (Global Population Count Grid Time Series Estimates, v1) - 10.7927/H4CC0XNV
Global High Resolution Urban Data from Landsat (GMIS)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4 (population density)
Global High Resolution Urban Data from Landsat (GMIS) - 10.7927/H4P55KKF
NASA REMOTE SENSING (MODIS)

Jin, M., Sun, R., Yang, X., Yan, M., & Chen, L. (2022). Remote sensing-based morphological analysis of core city growth across the globe. *Cities, 131*, 103982. doi:10.1016/j.cities.2022.103982
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Jin, N., Li, J., Jin, M., & Zhang, X. (2020). Spatiotemporal variation and determinants of population's PM2.5 exposure risk in China, 1998–2017: a case study of the Beijing-Tianjin-Hebei region. *Environmental Science and Pollution Research, 27*, 31767-31777. doi:10.1007/s11356-020-09484-8
Gridded Population of the World (GPW) v4.10 (population count)

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Air Quality Data for Health-Related Applications (Daily and Annual NO2 Concentrations for the Contiguous United States, 1-km Grids, v1) - 10.7927/f8eh-5864

Air Quality Data for Health-Related Applications (Daily 8-Hour Maximum and Annual O3 Concentrations for the Contiguous United States, 1-km Grids, v1) - 10.7927/a4mb-4t86

Air Quality Data for Health-Related Applications (Daily and Annual PM2.5 Concentrations for the Contiguous United States, 1-km Grids, v1) - 10.7927/0rvr-4538

Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4.11 (population density)

NASA REMOTE SENSING (ASTER GDEM)

NASA REMOTE SENSING (MODIS)

Johnston, L. M., Wang, X., Erni, S., Taylor, S. W., McFayden, C. B., Oliver, J. A., . . . Flannigan, M. D. (2020). Wildland fire risk research in Canada. *Environmental Reviews, 28*(2), 164-186. doi:10.1139/er-2019-0046

Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population density)

Jones, B. (2020). *Modeling Climate Change-Induced Migration in Central America & Mexico Methodological Report*. Retrieved from New York: https://assets-c3.propublica.org/Climate-Migration-Modeling-Methodology.pdf

Digital Elevation Data Collection (DEDC) (Altimeter Corrected Elevations (ACE2), v2)

Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Gridded Population of the World (GPW) v4.10 (basic demographic characteristics) - 10.7927/H45H7D7F

Satellite-Derived Environmental Indicators (Trends in Global Freshwater Availability from the Gravity Recovery and Climate Experiment (GRACE), v1)

Jones, B., & O'Neill, B. C. (2016). Spatially explicit global population scenarios consistent with the Shared Socioeconomic Pathways. *Environmental Research Letters, 11*(8), 10 pp.

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Gridded Population of the World (GPW) v3 (population count)
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Jones, G. D., Droz, B., Greve, P., Gottschalk, P., Poffet, D., McGrath, S. P., . . . Winkel, L. H. E. (2017). Selenium deficiency risk predicted to increase under future climate change. *Proceedings of the National Academy of Sciences, 114*(11), 2848-2853. doi:10.1073/pnas.1611576114
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

Jones, S. G., Dobbins, J., Byman, D., Chivvis, C. S., Connable, B., Martini, J., . . . Chandler, N. (2017). *Rolling Back the Islamic State*. Retrieved from Santa Monica: https://doi.org/10.7249/RR1912
Gridded Population of the World (GPW) v4 (collection)

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Gridded Population of the World (GPW) v4 (collection)

Jørgensen, P. S., Folke, C., & Carroll, S. P. (2019). Evolution in the Anthropocene: Informing governance and policy. *Annual Review of Ecology, Evolution, and Systematics, 50*(1), 527-546. doi:10.1146/annurev-ecolsys-110218-024621
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4VH5KS4

Jorquera, A., Castillo, C., Murillo, V., Araya, J., Pinochet, J., Narváez, D., . . . Urbina, M. A. (2022). Physical and anthropogenic drivers shaping the spatial distribution of microplastics in the marine sediments of Chilean fjords. *Science of The Total Environment, 814*, 152506. doi:10.1016/j.scitotenv.2021.152506
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4.11 (land and water area)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Joshi, D., Saini, S., & Joshi, V. (2023). *Exploring Aspects of Sustainable Rail Infrastructure Development Process and Alternative TOD Financing.* Paper presented at the IW-HSR 2022: Socioeconomic Impacts of High-Speed Rail Systems.
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)
REMOTE SENSING (VIIRS NTL)

Jusup, M., Holme, P., Kanazawa, K., Takayasu, M., Romić, I., Wang, Z., . . . Perc, M. (2022). Social physics. *Physics Reports, 948*, 1-148. doi:10.1016/j.physrep.2021.10.005

Gridded Population of the World (GPW) v4.11 (admin unit center points)

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   expansion under future electricity demand for groundwater irrigation in Ethiopia. *Energy for*
   Sustainable Development, 72, 351-377. doi:10.1016/j.esd.2022.12.006
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.11 (population count)

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Gridded Population of the World (GPW) v4.11 (population density)
Natural Disasters (Geocoded Disasters (GDIS) Dataset, v1)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
NASA REMOTE SENSING (MODIS)

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   vulnerability using geospatial techniques in the Tons River Basin, India. *Journal of the Indian*
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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (SRTM)

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REMOTE SENSING (Landsat)

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REMOTE SENSING (ALOS Global Digital Surface Model - ALOS World 3D - 30m (AW3D30))

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Gridded Population of the World (GPW) v4 (documentation) - 10.7927/H4D50JX4

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) with GWR, v1)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4F47M65

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

Kavvada, A., Ishida, C., Juarez, J., Ramage, S., Merodio, P., & Friedl, L. (2022). EO4SDG: A GEO Initiative on Earth Observations for Sustainable Development Goals. In A. Kavvada, D. Cripe, & L. Friedl (Eds.), *Earth Observation Applications and Global Policy Frameworks* (pp. 147-157). Washington DC: American Geophysical Union.
Gridded Population of the World (GPW) v4 (collection)

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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Satellite-Derived Environmental Indicators (Global Fire Emissions Indicators, Grids, v1)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4.11 (population count)
Population Dynamics (Global Population Count Grid Time Series Estimates, v1)

Kennedy, C. M., Oakleaf, J. R., Theobald, D. M., Baruch-Mordo, S., & Kiesecker, J. (2019). Managing the middle: A shift in conservation priorities based on the global human modification gradient. *Global Change Biology, 25*(3), 811-826. doi:10.1111/gcb.14549
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Global Roads (Global Roads Open Access Data Set (gROADS), v1)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Khan, M. J. U., Durand, F., Emanuel, K., Krien, Y., Testut, L., & Islam, A. K. M. S. (2022). Storm surge hazard over Bengal delta: A probabilistic-deterministic modelling approach. *Natural Hazards and Earth System Sciences, 22*(7), 2359-2379. doi:10.5194/nhess-22-2359-2022
Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (GPM)
NASA REMOTE SENSING (TRMM)

Khan, Z., Thompson, I., Vernon, C. R., Graham, N. T., Wild, T. B., & Chen, M. (2023). Global monthly sectoral water use for 2010–2100 at 0.5° resolution across alternative futures. *Scientific Data, 10*(1), 201. doi:10.1038/s41597-023-02086-2
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4.11 (unspecified)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
REMOTE SENSING (VIIRS NTL)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

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Gridded Population of the World (GPW) v4.11 (population density)
Urban Spatial Data (Urban Extents from VIIRS and MODIS for the Continental U.S. Using Machine Learning Methods, v1)

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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)
NASA REMOTE SENSING (SMAP)
NASA REMOTE SENSING (GLDAS-2)
REMOTE SENSING (Sentinel-3)

Kiely, L., Spracklen, D., V., Wiedinmyer, C., Conibear, L., A., Reddington, C., L., Arnold, S., R., . . . Adrianto, H., A. (2020). Air quality and health impacts of vegetation and peat fires in Equatorial Asia during 2004 – 2015. *Environmental Research Letters, 15*(9), 094054. doi:10.1088/1748-9326/ab9a6c
Gridded Population of the World (GPW) v4 (population count)

Kiely, L., Spracklen, D. V., Arnold, S. R., Papargyropoulou, E., Conibear, L., Wiedinmyer, C., . . . Adrianto, H. A. (2021). Assessing costs of Indonesian fires and the benefits of restoring peatland. *Nature Communications, 12*(1), 7044. doi:10.1038/s41467-021-27353-x
Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density)

Kim, D. (2022). Assessing regional economy in North Korea using nighttime light. *Asia and the Global Economy, 2*(3), 100046. doi:10.1016/j.aglobe.2022.100046
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
REMOTE SENSING (VIIRS NTL)

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Gridded Population of the World (GPW) v4.11 (admin unit center points)

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Gridded Population of the World (GPW) v4.11 (population count)

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Gridded Population of the World (GPW) v4.11 (population density)

Kipkulei, H. K., Bellingrath-Kimura, S. D., Lana, M., Ghazaryan, G., Boitt, M., & Sieber, S. (2022). Modelling cropland expansion and its drivers in Trans Nzoia County, Kenya. *Modeling Earth Systems and Environment, 8*, 5761-5778. doi:10.1007/s40808-022-01475-7
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4 (population density)

Kirezci, E., Young, I. a. R., Ranasinghe, R., Lincke, D., & Hinkel, J. (2023). Global-scale analysis of socioeconomic impacts of coastal flooding over the 21st century. *Frontiers in Marine Science, 9*. doi:10.3389/fmars.2022.1024111
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (EGM96)

Kirezci, E., Young, I. R., Ranasinghe, R., Muis, S., Nicholls, R. J., Lincke, D., & Hinkel, J. (2020). Projections of global-scale extreme sea levels and resulting episodic coastal flooding over the 21st Century. *Scientific Reports, 10*(1), 11629. doi:10.1038/s41598-020-67736-6
Gridded Population of the World (GPW) v4.11 (population count)

Kirkland, M., Atkinson, P. W., Pearce-Higgins, J. W., de Jong, M. C., Dowling, T. P. F., Grummo, D., . . . Ashton-Butt, A. (2023). Landscape fires disproportionally affect high conservation value temperate peatlands, meadows, and deciduous forests, but only under low moisture conditions. *Science of The Total Environment, 884*, 163849. doi:10.1016/j.scitotenv.2023.163849
Gridded Population of the World (GPW) v4.11 (population density) GEE

NASA REMOTE SENSING (MODIS) GEE

Kirschbaum, D., Watson, C. S., Rounce, D. R., Shugar, D. H., Kargel, J. S., Haritashya, U. K., . . . Jo, M. (2019). The state of remote sensing capabilities of cascading hazards over high mountain Asia. *Frontiers in Earth Science, 7*(197). doi:10.3389/feart.2019.00197
Gridded Population of the World (GPW) v4 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
NASA REMOTE SENSING (ASTER)
NASA REMOTE SENSING (GRACE-FO)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
NASA REMOTE SENSING (TRMM)

Kjær, L. J., Hjulsager, C. K., Larsen, L. E., Boklund, A. E., Halasa, T., Ward, M. P., & Kirkeby, C. T. (2022). Landscape effects and spatial patterns of avian influenza virus in Danish wild birds, 2006-2020. *Transboundary and Emerging Diseases, 69*(2), 706-719. doi:10.1111/tbed.14040
Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

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Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (ASTER GDEM)

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Gridded Population of the World (GPW) v4.11 (population density)

Kodros, J. K., Wiedinmyer, C., Ford, B., Cucinotta, R., Gan, R., Magzamen, S., & Pierce, J. R. (2016). Global burden of mortalities due to chronic exposure to ambient $PM_{2.5}$ from open combustion of domestic waste. *Environmental Research Letters, 11*(12), 124022. doi:10.1088/1748-9326/11/12/124022
Gridded Population of the World (GPW) v4 (population count)

Kok, D.-J. D., Pande, S., Ortigara, A. R. C., Savenije, H., & Uhlenbrook, S. (2018). Socio-hydrological approach to the evaluation of global fertilizer substitution by sustainable struvite precipitants

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Kok, D.-J. D., Pande, S., van Lier, J. B., Ortigara, A. R. C., Savenije, H., & Uhlenbrook, S. (2018). Global phosphorus recovery for agricultural reuse. *Hydrology and Earth System Sciences, 22*, 5781-5799. doi:10.5194/hess-22-5781-2018
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Kolios, S., Mitrakos, S., & Stylios, C. (2018). Detection of areas susceptible to land degradation in Cyprus using remote sensed data and environmental quality indices. *Land Degradation & Development, 29*(8), 2338-2350. doi:10.1002/ldr.3024
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (ASTER)
NASA REMOTE SENSING (TRMM)

Kölzsch, A., Lameris, T. K., Müskens, G. J. D. M., Schreven, K. H. T., Buitendijk, N. H., Kruckenberg, H., . . . Nolet, B. A. (2023). Wild goose chase: Geese flee high and far, and with aftereffects from New Year's fireworks. *Conservation Letters, 16*(1), e12927. doi:10.1111/conl.12927
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Komolafe, A. A., Awe, B. S., Olorunfemi, I. E., & Oguntunde, P. G. (2020). Modelling flood-prone area and vulnerability using integration of multi-criteria analysis and HAND model in the Ogun River Basin, Nigeria. *Hydrological Sciences Journal, 65*(10), 1766-1783. doi:10.1080/02626667.2020.1764960
Gridded Population of the World (GPW) v4 (documentation) - 10.7927/H4D50JX4
Gridded Population of the World (GPW) v4 (population count)
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (Landsat)

Kondash, A. J., Herrera, I., Castellanos, E., Baker, J., Leiva, B., Van Houtven, G., . . . Hoponick Redmon, J. (2021). Food, energy, and water nexus research in Guatemala – A systematic literature review. *Environmental Science & Policy, 124*, 175-185. doi:10.1016/j.envsci.2021.06.009
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (TROPOMI)

Kong, H., Lin, J., Zhang, R., Liu, M., Weng, H., Ni, R., . . . Zhang, Q. (2019). High-resolution (0.05° × 0.05°) NOx emissions in the Yangtze River Delta inferred from OMI. *Atmospheric Chemistry and Physics, 19*(20), 12835-12856. doi:10.5194/acp-19-12835-2019
Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (OMI NO2)

Kong, H., Lin, J., Zhang, Y., Li, C., Xu, C., Shen, L., . . . Xu, W. (2023). High natural nitric oxide emissions

from lakes on Tibetan Plateau under rapid warming. *Nature Geoscience, 16*(6), 474-477. doi:10.1038/s41561-023-01200-8
Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (TROPOMI)

Kong, Q., Martin-Short, R., & Allen, R. M. (2020). Toward global earthquake early warning with the MyShake Smartphone Seismic Network, Part 1: Simulation platform and detection algorithm. *Seismological Research Letters, 91*(4), 2206-2217. doi:10.1785/0220190177
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

Koplitz, S. N., Jacob, D. J., Sulprizio, M. P., Myllyvirta, L., & Reid, C. (2017). Burden of disease from rising coal-fired power plant emissions in Southeast Asia. *Environmental Science & Technology, 51*(3), 1467-1476. doi:10.1021/acs.est.6b03731
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Korobkov, R., Mukhachev, P., & Pritykin, D. (2020). *Traffic prediction model for broadband microsatellites constellations.* Paper presented at the 5th IAA Conference on University Satellite Missions and Cubesat Workshop, 2020.
Gridded Population of the World (GPW) v4.11 (national identifier grid) - 10.7927/H4TD9VDP
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Kouassi, J.-L., Wandan, N., & Mbow, C. (2022). Exploring spatio-temporal trends and environmental drivers of wildfire occurrence and impacts in Côte d'Ivoire, West Africa. *African Journal of Ecology, 60*(4), 1218-1236. doi:10.1111/aje.13066
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Kovács, K. D., & Haidu, I. (2022). Tracing out the effect of transportation infrastructure on NO2 concentration levels with Kernel Density Estimation by investigating successive COVID-19-induced lockdowns. *Environmental Pollution, 309*, 119719. doi:10.1016/j.envpol.2022.119719
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Sentinel-5P)

Kozarcanin, S., & Andresen, G. B. (2021). The effect of increased coupling strength between electricity and heating systems in different climate scenarios for Europe. *Energy and Climate Change, 2*, 100039. doi:10.1016/j.egycc.2021.100039
Gridded Population of the World (GPW) v4 (population count)

Kozarcanin, S., Hanna, R., Staffell, I., Gross, R., & Andresen, G. B. (2020). Impact of climate change on the cost-optimal mix of decentralised heat pump and gas boiler technologies in Europe. *Energy Policy, 140*, 111386. doi:10.1016/j.enpol.2020.111386
Gridded Population of the World (GPW) v4 (population density)

Kraemer, M. U. G., Sadilek, A., Zhang, Q., Marchal, N. A., Tuli, G., Cohn, E. L., . . . Brownstein, J. S. (2020). Mapping global variation in human mobility. *Nature Human Behaviour, 4*, 800-810.

doi:10.1038/s41562-020-0875-0
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)

Krakauer, N. Y. (2023). Amplification of extreme hot temperatures over recent decades. *Climate, 11*(2), 42. doi:10.3390/cli11020042
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Krasovskii, A., Khabarov, N., Pirker, J., Kraxner, F., Yowargana, P., Schepaschenko, D., & Obersteiner, M. (2018). Modeling burned areas in Indonesia: The FLAM approach. *Forests, 9*(7), 437. doi:10.3390/f9070437
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (LIS)

Krengel, F., Bernhofer, C., Chalov, S., Efimov, V., Efimova, L., Gorbachova, L., . . . Karthe, D. (2018). Challenges for transboundary river management in Eastern Europe – three case studies. *Die Erde, 149*(2-3), 157-172. doi:10.12854/erde-2018-389
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Krüger, O. O., Holanda, B. A., Chowdhury, S., Pozzer, A., Walter, D., Pöhlker, C., . . . Pöhlker, M. L. (2022). Black carbon aerosol reductions during COVID-19 confinement quantified by aircraft measurements over Europe. *Atmospheric Chemistry and Physics, 22*, 8683-8699. doi:10.5194/acp-22-8683-2022
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Kruger, S. E., Lorah, P. A., & Okamoto, K. W. (2022). Mapping climate change's impact on cholera infection risk in Bangladesh. *PLOS Global Public Health, 2*(10), e0000711. doi:10.1371/journal.pgph.0000711
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
Population Dynamics (Global 1-km Downscaled Population Base Year and Projection Grids Based on the SSPs, v1.01) - 10.7927/q7z9-9r69

Kuffer, M., Owusu, M., Oliveira, L., Sliuzas, R., & Rijn, F. v. (2022). The missing millions in maps: Exploring causes of uncertainties in global gridded population datasets. *ISPRS International Journal of Geo-Information, 11*(7), 403. doi:10.3390/ijgi11070403
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Kugler, T. A., Grace, K., Wrathall, D. J., de Sherbinin, A., Van Riper, D., Aubrecht, C., . . . Van Den Hoek, J. (2019). People and Pixels 20 years later: the current data landscape and research trends blending population and environmental data. *Population and Environment, 41*, 209-234. doi:10.1007/s11111-019-00326-5
Anthropogenic Biomes of the World v2 (2000) - 10.7927/H4D798B9
Gridded Population of the World (GPW) v4.10 (basic demographic characteristics) - 10.7927/H45H7D7F
Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) with GWR, v1) - 10.7927/H4ZK5DQS
Satellite-Derived Environmental Indicators (Global 3-Year Running Mean Ground-Level NO2 Grids from GOME, SCIAMACHY and GOME-2, v1) - 10.7927/H4JW8BTT
POPGRID

NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Kulp, S. A., & Strauss, B. H. (2019). New elevation data triple estimates of global vulnerability to sea-level rise and coastal flooding. *Nature Communications, 10*(1), 4844. doi:10.1038/s41467-019-12808-z
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (SRTM)

Kumar, P., Gupta, K., Karnatak, H. C., Siddiqui, A., & Senthil Kumar, A. (2017). Geo-enabled e-Democracy Tools and Services for Smart Cities. In T. M. Vinod Kumar (Ed.), *E-Democracy for Smart Cities* (pp. 391-440). Singapore: Springer Singapore.
Gridded Population of the World (GPW) v4 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Last of the Wild v2 (collection)
Natural Disaster Hotspots (collection)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (ASTER GDEM)

Kumar, R., Rachunok, B., Maia-Silva, D., & Nateghi, R. (2020). Asymmetrical response of California electricity demand to summer-time temperature variation. *Scientific Reports, 10*(1), 10904. doi:10.1038/s41598-020-67695-y
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Kummu, M., Taka, M., & Guillaume, J. H. A. (2018). Gridded global datasets for Gross Domestic Product and Human Development Index over 1990–2015. *Scientific Data, 5*(180004), 15pp. doi:10.1038/sdata.2018.4
Gridded Population of the World (GPW) v4.10 (population count)
Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)

Kutzner, J. A., & Lung, D. (2016). Predicting ATSC 3.0 broadcast coverage. *IEEE Transactions on Broadcasting, 62*(1), 281-288. doi:10.1109/TBC.2015.2505413
Gridded Population of the World (GPW) v4 Preliminary release 2

Kuyper, B., Say, D., Labuschagne, C., Lesch, T., Joubert, W. R., Martin, D., . . . Shallcross, D. E. (2019). Atmospheric HCFC-22, HFC-125, and HFC-152a at Cape Point, South Africa. *Environmental Science & Technology, 53*(15), 8967-8975. doi:10.1021/acs.est.9b01612
Gridded Population of the World (GPW) v4 (unspecified)
REMOTE SENSING (DMSP-OLS)

Kvasnicka, J., Stylianou, K. S., Nguyen, V. K., Huang, L., Chiu, W. A., Burton, G. A., . . . Jolliet, O. (2019). Human health benefits from fish consumption vs. risks from inhalation exposures associated with contaminated sediment remediation: Dredging of the Hudson River. *Environmental Health Perspectives, 127*(12), 127004. doi:10.1289/EHP5034
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - population count)
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - population density)

Lafage, D., Bergman, E., Eckstein, R. L., Österling, E. M., Sadler, J. P., & Piccolo, J. J. (2019). Local and landscape drivers of aquatic-to-terrestrial subsidies in riparian ecosystems: a worldwide meta-analysis. *Ecosphere, 10*(4), e02697. doi:10.1002/ecs2.2697
Gridded Population of the World (GPW) v4 (population density)

Lai, Z., Li, H., & Li, J. (2020). *STARPERF: Characterizing network performance for emerging mega-constellations*. Paper presented at the 28th IEEE International Conference on Network Protocols (ICNP 2020), Madrid. https://icnp20.cs.ucr.edu/proceedings/main/StarPerf.pdf
Gridded Population of the World (GPW) v4.11 (population count)

Lamsal, P., Kumar, L., Aryal, A., & Atreya, K. (2018). Invasive alien plant species dynamics in the Himalayan region under climate change. *Ambio, 46*(6), 697-710. doi:10.1007/s13280-018-1017-z
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Lan, R., Eastham, S. D., Liu, T., Norford, L. K., & Barrett, S. R. H. (2022). Air quality impacts of crop residue burning in India and mitigation alternatives. *Nature Communications, 13*(1), 6537. doi:10.1038/s41467-022-34093-z
Gridded Population of the World (GPW) v4.11 (population count)
Satellite-Derived Environmental Indicators (Global (GL) Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD), v4.03) - 10.7927/fx80-4n39
NASA REMOTE SENSING (MODIS)

Landmann, T., Schmitt, M., Ekim, B., Villinger, J., Ashiono, F., Habel, J. C., & Tonnang, H. E. Z. (2023). Insect diversity is a good indicator of biodiversity status in Africa. *Communications Earth & Environment, 4*(1), 234. doi:10.1038/s43247-023-00896-1
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (VIIRS DNB)

Lang, P. A., & Gregory, K. B. (2018). *Economic impact of energy consumption change caused by global warming*. Retrieved from Canberra: https://cama.crawford.anu.edu.au/publication/cama-working-paper-series/13309/economic-impact-energy-consumption-change-caused-global
Gridded Population of the World (GPW) v4.10 (population count)

Larkin, A., Gu, X., Chen, L., & Hystad, P. (2021). Predicting perceptions of the built environment using GIS, satellite and street view image approaches. *Landscape and Urban Planning, 216*, 104257. doi:10.1016/j.landurbplan.2021.104257
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

Lattuada, M., Albrecht, C., & Wilke, T. (2019). Differential impact of anthropogenic pressures on Caspian Sea ecoregions. *Marine Pollution Bulletin, 142*, 274-281. doi:10.1016/j.marpolbul.2019.03.046
Global Agricultural Inputs (nitrogen fertilizer application)
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS Ocean Color)

Lau, W. W. Y., Shiran, Y., Bailey, R. M., Cook, E., Stuchtey, M. R., Koskella, J., . . . Palardy, J. E. (2020). Evaluating scenarios toward zero plastic pollution. *Science, 369*(6510), 1455-1461. doi:10.1126/science.aba9475
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Lauer, D. A., Shipley, B. R., & McGuire, J. L. (2023). Habitat and not topographic heterogeneity constrains the range sizes of African mammals. *Journal of Biogeography, 50*(5), 846-857. doi:10.1111/jbi.14576
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ

Laurentius Peterson, E. (2022). Global and local bioclimatic predilections for rebalancing the heating and cooling of buildings. *Energy and Buildings, 266*, 112088. doi:10.1016/j.enbuild.2022.112088
Gridded Population of the World (GPW) v4.11 (population density)

Lausier, A. M., & Jain, S. (2018). Overlooked trends in observed global annual precipitation reveal underestimated risks. *Scientific Reports, 8*(1), 16746. doi:10.1038/s41598-018-34993-5
Anthropogenic Biomes of the World v1 - 10.7927/H4H12ZXD
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) - 10.7927/H4JQ0XZW

Le Guenedal, T., Drobinski, P., & Tankov, P. (2022). Cyclone generation Algorithm including a THERmodynamic module for Integrated National damage Assessment (CATHERINA 1.0) compatible with CMIP climate data. *Geoscientific Model Development, 15*(21), 8001-8039. doi:10.5194/gmd-15-8001-2022
Gridded Population of the World (GPW) v4.10 (population count)
Population Dynamics (Global One-Eighth Degree Population Base Year and Projection Grids Based on the SSPs, v1.01)

Lea, A. J., Martins, D., Kamau, J., Gurven, M., & Ayroles, J. F. (2020). Urbanization and market integration have strong, nonlinear effects on cardiometabolic health in the Turkana. *Science Advances, 6*(43), eabb1430. doi:10.1126/sciadv.abb1430
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Leandro, C., Jay-Robert, P., Mériguet, B., Houard, X., & Renner, I. W. (2020). Is my SDM good enough? Insights from a citizen science dataset in a point process modeling framework. *Ecological Modelling, 438*, 109283. doi:10.1016/j.ecolmodel.2020.109283
Gridded Population of the World (GPW) v4 (population density)

Leasure, D. R., Jochem, W. C., Weber, E. M., Seaman, V., & Tatem, A. J. (2020). National population mapping from sparse survey data: A hierarchical Bayesian modeling framework to account for uncertainty. *Proceedings of the National Academy of Sciences, 117*(39), 24173-24179. doi:10.1073/pnas.1913050117
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Leberger, R., Rosa, I. M. D., Guerra, C. A., Wolf, F., & Pereira, H. M. (2020). Global patterns of forest loss across IUCN categories of protected areas. *Biological Conservation, 241*, 108299.

doi:10.1016/j.biocon.2019.108299
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Lecocq, T., Hicks, S. P., Van Noten, K., van Wijk, K., Koelemeijer, P., De Plaen, R. S. M., . . . Xiao, H. (2020). Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. *Science, 369*(6509), 1338-1343. doi:10.1126/science.abd2438
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Lee, H. W., Jakob, P. C., Ho, K., Shimizu, S., & Yoshikawa, S. (2018). Optimization of satellite constellation deployment strategy considering uncertain areas of interest. *Acta Astronautica, 153*, 213-228. doi:10.1016/j.actaastro.2018.03.054
Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4) - 10.7927/H42V2D1C
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ

Lee, J., Mast, J. C., & Dessler, A. E. (2021). The effect of forced change and unforced variability in heat waves, temperature extremes, and associated population risk in a CO2-warmed world. *Atmospheric Chemistry and Physics, 21*(15), 11889-11904. doi:10.5194/acp-21-11889-2021
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Lee, J., Shigetomi, Y., & Kanemoto, K. (2023). Drivers of household carbon footprints across EU regions, from 2010 to 2015. *Environmental Research Letters, 18*(4), 044043. doi:10.1088/1748-9326/acc95e
Gridded Population of the World (GPW) v4.11 (population count)
Gridded Population of the World (GPW) v4.11 (population density)

Leguijt, G., Maasakkers, J. D., Denier van der Gon, H. A. C., Segers, A. J., Borsdorff, T., & Aben, I. (2023). Quantification of carbon monoxide emissions from African cities using TROPOMI. *Atmospheric Chemistry and Physics, 23*(15), 8899-8919. doi:10.5194/acp-23-8899-2023
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (TROPOMI)

Lehner, B., Messager, M. L., Korver, M. C., & Linke, S. (2022). Global hydro-environmental lake characteristics at high spatial resolution. *Scientific Data, 9*(1), 351. doi:10.1038/s41597-022-01425-z
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (MODIS)

Lehtveer, M., Mattsson, N., & Hedenus, F. (2017). Using resource based slicing to capture the intermittency of variable renewables in energy system models. *Energy Strategy Reviews, 18*, 73-84. doi:10.1016/j.esr.2017.09.008
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)

Lei, Z., Xie, Y., Cheng, P., & Yang, H. (2023). From auxiliary data to research prospects, a review of gridded population mapping. *Transactions in GIS, 27*(1), 3-39. doi:10.1111/tgis.13020
Gridded Population of the World (GPW) v4 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)

Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
POPGRID

Leijten, F., Lantz C Baldos, U., Johnson, J. A., Sim, S., & Verburg, P. H. (2023). Projecting global oil palm expansion under zero-deforestation commitments: direct and indirect land use change impacts. *iScience, 26*(6), 106971. doi:10.1016/j.isci.2023.106971
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Leng, X., Feng, X., Fu, B., Shi, Q., Ye, H., & Zhang, Y. (2023). 'Asian water towers' are not a sustainable solution to the downstream water crisis. *Science of The Total Environment, 856*, 159237. doi:10.1016/j.scitotenv.2022.159237
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
Population Dynamics (Global One-Eighth Degree Population Base Year and Projection Grids Based on the SSPs, v1.01)

Leonard, A., Wheeler, S., & McCulloch, M. (2022). Power to the people: Applying citizen science and computer vision to home mapping for rural energy access. *International Journal of Applied Earth Observation and Geoinformation, 108*, 102748. doi:10.1016/j.jag.2022.102748
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
REMOTE SENSING (DMC-3)
REMOTE SENSING (KOMPSAT-3A)
REMOTE SENSING (Superview-1)

León-Cruz, J. F., Pineda-Martínez, L. F., & Carbajal, N. (2022). Tornado climatology and potentially severe convective environments in Mexico. *Climate Research, 87*, 147-165. doi:10.3354/cr01692
Gridded Population of the World (GPW) v4.11 (population density)

Lessa, T., dos Santos, J. W., Correia, R. A., Ladle, R. J., & Malhado, A. C. M. (2019). Known unknowns: Filling the gaps in scientific knowledge production in the Caatinga. *PLoS ONE, 14*(7), e0219359. doi:10.1371/journal.pone.0219359
Gridded Population of the World (GPW) v4 (population density)

Lever, J., & Arcucci, R. (2022). Sentimental wildfire: a social-physics machine learning model for wildfire nowcasting. *Journal of Computational Social Science, 5*, 1427-1465. doi:10.1007/s42001-022-00174-8
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS) (via Global Fire Atlas)

Lewis, J., Hoover, J., & MacKenzie, D. (2017). Mining and environmental health disparities in Native American communities. *Current Environmental Health Reports, 4*(2), 130-141. doi:10.1007/s40572-017-0140-5
Gridded Population of the World (GPW) v4 (population count)

Leyk, S., Gaughan, A. E., Adamo, S. B., de Sherbinin, A. M., Balk, D., Freire, S., . . . Tatem, A. J. (2019). The spatial allocation of population: A review of large-scale gridded population data products and their fitness for use. *Earth System Science Data, 11*(3), 1385-1409. doi:10.5194/essd-11-1385-2019
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) -
        10.7927/H4PN93PB
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
        10.7927/H4F47M65
Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
POPGRID

Leyk, S., & Uhl, J. H. (2018). HISDAC-US, historical settlement data compilation for the conterminous
        United States over 200 years. *Scientific Data, 5*, 180175. doi:10.1038/sdata.2018.175
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

Li, B. V., Jenkins, C. N., & Xu, W. (2022). Strategic protection of landslide vulnerable mountains for
        biodiversity conservation under land-cover and climate change impacts. *Proceedings of the
        National Academy of Sciences, 119*(2), e2113416118. doi:10.1073/pnas.2113416118
Gridded Population of the World (GPW) v4.11 (population density)

Li, C., McLinden, C., Fioletov, V., Krotkov, N., Carn, S., Joiner, J., . . . Dickerson, R. R. (2017). India is
        overtaking China as the world's largest emitter of anthropogenic sulfur dioxide. *Scientific
        Reports, 7*(1), 14304. doi:10.1038/s41598-017-14639-8
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
NASA REMOTE SENSING (OMI)

Li, C., van Donkelaar, A., Hammer, M. S., McDuffie, E. E., Burnett, R. T., Spadaro, J. V., . . . Martin, R. V.
        (2023). Reversal of trends in global fine particulate matter air pollution. *Nature
        Communications, 14*(1), 5349. doi:10.1038/s41467-023-41086-z
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (MISR)
NASA REMOTE SENSING (SeaWiFS)

Li, D., Yuan, J., & Kopp, R. (2020). Escalating global exposure to compound heat-humidity extremes with
        warming. *Environmental Research Letters, 15*(6), 064003. doi:10.1088/1748-9326/ab7d04
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Population Dynamics (Global One-Eighth Degree Population Projection Grids for the SSPs, v1)

Li, H., Yang, X., & Zhang, K. (2021). Understanding global land degradation processes interacted with
        complex biophysics and socioeconomics from the perspective of the Normalized Difference
        Vegetation Index (1982–2015). *Global and Planetary Change, 198*, 103431.
        doi:10.1016/j.gloplacha.2021.103431
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (GIMMS NDVI)

Li, J., Chen, X., Kurban, A., Van de Voorde, T., De Maeyer, P., & Zhang, C. (2021). Coupled SSPs-RCPs
        scenarios to project the future dynamic variations of water-soil-carbon-biodiversity services in
        Central Asia. *Ecological Indicators, 129*, 107936. doi:10.1016/j.ecolind.2021.107936

Gridded Population of the World (GPW) v4.11 (population density)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)

Li, J., Chen, X., Kurban, A., Van de Voorde, T., De Maeyer, P., & Zhang, C. (2021). Identification of conservation priorities in the major basins of Central Asia: Using an integrated GIS-based ordered weighted averaging approach. *Journal of Environmental Management, 298*, 113442. doi:10.1016/j.jenvman.2021.113442
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS - MOD13A2)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (VIIRS NTL)

Li, J., Han, X., Jin, M., Zhang, X., & Wang, S. (2019). Globally analysing spatiotemporal trends of anthropogenic PM2.5 concentration and population's PM2.5 exposure from 1998 to 2016. *Environment International, 128*, 46-62. doi:10.1016/j.envint.2019.04.026
Gridded Population of the World (GPW) v4.10 (population count)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Li, J., Pan, Y., Li, Q., Lenschow, D. H., Zhou, M., Xiao, X., . . . Cheng, Z. (2023). Observational analyses of a penetrating sea-breeze front in the Beijing-Tianjin-Hebei urban agglomeration. *Urban Climate, 47*, 101353. doi:10.1016/j.uclim.2022.101353
Gridded Population of the World (GPW) v4 (collection)

Li, J., Wang, N., Wang, J., & Li, H. (2018). Spatiotemporal evolution of the remotely sensed global continental PM2.5 concentration from 2000-2014 based on Bayesian statistics. *Environmental Pollution, 238*, 471-481. doi:10.1016/j.envpol.2018.03.050
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Li, J., & Zhang, C. (2021). Exploring the relationship between key ecosystem services and socioecological drivers in alpine basins: A case of Issyk-Kul Basin in Central Asia. *Global Ecology and Conservation, 29*, e01729. doi:10.1016/j.gecco.2021.e01729
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS - MOD13A2)
NASA REMOTE SENSING (SRTM)

Li, J., Zhang, C., & Chen, X. (2021). Exploring the relative importance of socio-ecological factors to ecosystem services clusters: a support to spatially targeted management. *Environmental Research Letters, 16*(8), 084053. doi:10.1088/1748-9326/ac12ef
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Li, K., Mehta, K., Wright, A., Lee, J., Yadav, M., Pham, T. N., . . . Stewart, B. (2021). Identifying hospitals in Nepal for acute burn care and stabilization capacity development: Location-allocation modeling

for strategic service delivery. *Journal of Burn Care & Research, 42*(4), 621-626. doi:10.1093/jbcr/irab064
Gridded Population of the World (GPW) v4.11 (population count)

Li, L., Dominici, F., Blomberg, A. J., Bargagli-Stoffi, F. J., Schwartz, J. D., Coull, B. A., . . . Koutrakis, P. (2022). Exposure to unconventional oil and gas development and all-cause mortality in Medicare beneficiaries. *Nature Energy, 7*, 177-185. doi:10.1038/s41560-021-00970-y
Gridded Population of the World (GPW) v4.11 (population density)

Li, L., & Lu, D. (2016). Mapping population density distribution at multiple scales in Zhejiang Province using Landsat Thematic Mapper and census data. *International Journal of Remote Sensing, 37*(18), 4243-4260. doi:10.1080/01431161.2016.1212422
Gridded Population of the World (GPW) v3 (collection)
Gridded Population of the World (GPW) v4 (collection)
REMOTE SENSING (Landsat)

Li, L., Zhang, Y., Liu, L., Wang, Z., Zhang, H., Li, S., & Ding, M. (2020). Mapping changing population distribution on the Qinghai–Tibet Plateau since 2000 with multi-temporal remote sensing and point-of-interest data. *Remote Sensing, 12*(24), 4059. doi:10.3390/rs12244059
Gridded Population of the World (GPW) v4 (collection)
NASA REMOTE SENSING (MODIS - MOD13A2)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Li, N., Zhang, H., Zhu, S., Liao, H., Hu, J., Tang, K., . . . Li, J. (2023). Secondary PM2.5 dominates aerosol pollution in the Yangtze River Delta region: Environmental and health effects of the Clean air Plan. *Environment International, 171*, 107725. doi:10.1016/j.envint.2022.107725
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)

Li, P., & Wang, Z.-H. (2020). Modeling carbon dioxide exchange in a single-layer urban canopy model. *Building and Environment, 184*, 107243. doi:10.1016/j.buildenv.2020.107243
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (Quickbird)

Li, R., Ma, T., Xu, Q., & Song, X. (2018). Using MAIAC AOD to verify the PM2.5 spatial patterns of a land use regression model. *Environmental Pollution, 243*, 501-509. doi:10.1016/j.envpol.2018.09.026
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Li, S., Cui, Y., Liu, M., He, H., & Ravan, S. (2017). Integrating global open geo-information for major disaster assessment: A case study of the Myanmar flood. *ISPRS International Journal of Geo-Information, 6*(7), 19pp. doi:10.3390/ijgi6070201
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (Landsat)
REMOTE SENSING (TanDEM-X (TDX))

REMOTE SENSING (Terra SAR-X (TSX))

Li, S., He, F., Liu, X., & Hua, L. (2023). Historical land use reconstruction for South Asia: Current understanding, challenges, and solutions. *Earth-Science Reviews, 238*, 104350. doi:10.1016/j.earscirev.2023.104350
Gridded Population of the World (GPW) v4 (population density) map

Li, S., Zhang, H., Zhou, X., Yu, H., & Li, W. (2020). Enhancing protected areas for biodiversity and ecosystem services in the Qinghai–Tibet Plateau. *Ecosystem Services, 43*, 101090. doi:10.1016/j.ecoser.2020.101090
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
REMOTE SENSING (DMSP-OLS)

Li, T., Shen, H., Yuan, Q., Zhang, X., & Zhang, L. (2017). Estimating ground-level PM2.5 by fusing satellite and station observations: A geo-intelligent deep learning approach. *Geophysical Research Letters, 44*(23), 11985-11993. doi:10.1002/2017GL075710
Gridded Population of the World (GPW) v4 (population count)

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Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (GRACE)
NASA REMOTE SENSING (MODIS)

Li, X., Cheng, S., Wang, Y., Zhang, G., Zhang, L., & Wu, C. (2023). Future land use spatial conflicts and habitat quality impacts based on SSPs-RCPs Scenarios—Qin-Ba Mountain City. *Land, 12*(9), 1708. doi:10.3390/land12091708
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (VIIRS NTL)

Li, X., Li, Y., Jia, T., Zhou, L., & Hijazi, I. H. (2022). The six dimensions of built environment on urban vitality: Fusion evidence from multi-source data. *Cities, 121*, 103482. doi:10.1016/j.cities.2021.103482
Gridded Population of the World (GPW) v4 (unspecified)
REMOTE SENSING (Landsat)

Li, X., Vernon, C. R., Hejazi, M. I., Link, R. P., Huang, Z., Liu, L., & Feng, L. (2018). Tethys – a Python package for spatial and temporal downscaling of global water withdrawals. *Journal of Open Research Software, 6*(1), 10pp. doi:10.5334/jors.197
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Li, X., Wang, H., McCauley, D. J., Altieri, A. H., Silliman, B. R., Lefcheck, J. S., . . . He, Q. (2023). A wide megafauna gap undermines China's expanding coastal ecosystem conservation. *Science Advances, 9*(32), eadg3800. doi:10.1126/sciadv.adg3800
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Li, X., Zhou, L., Liu, X., Dun, Q., Ma, L., & Zou, Y. (2022). Community built environment and the associated ischemic heart disease risk: Evidence from multi-source data in Wuhan, China. *Journal of Transport & Health, 25*, 101371. doi:10.1016/j.jth.2022.101371
Gridded Population of the World (GPW) v4 (unspecified)

Li, X., & Zhou, W. (2018). Dasymetric mapping of urban population in China based on radiance corrected DMSP-OLS nighttime light and land cover data. *Science of The Total Environment, 643*, 1248-1256. doi:10.1016/j.scitotenv.2018.06.244
Gridded Population of the World (GPW) v4.10 (population count)
REMOTE SENSING (DMSP-OLS)

Li, X., & Zhou, W. (2019). Optimizing urban greenspace spatial pattern to mitigate urban heat island effects: Extending understanding from local to the city scale. *Urban Forestry & Urban Greening, 41*, 255-263. doi:10.1016/j.ufug.2019.04.008
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS - MYD13A3)
REMOTE SENSING (DMSP-OLS)

Li, X., & Zhou, W. (2019). Spatial patterns and driving factors of surface urban heat island intensity: A comparative study for two farmland-dominated regions in China and the USA. *Sustainable Cities and Society, 48*, 101518. doi:10.1016/j.scs.2019.101518
Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (MODIS - MYD13A3)

Li, Y., Li, H., Liu, L., Liu, W., Liu, J., Wu, J., . . . Lai, Z. (2021). *"Internet in Space" for terrestrial users via cyber-physical convergence*. Paper presented at the Proceedings of the Twentieth ACM Workshop on Hot Topics in Networks, Virtual Event, United Kingdom. https://doi.org/10.1145/3484266.3487375
Gridded Population of the World (GPW) v4.11 (population count)

Li, Y., Li, Z., Wang, J., & Zeng, H. (2022). Analyses of driving factors on the spatial variations in regional eco-environmental quality using two types of species distribution models: A case study of Minjiang River Basin, China. *Ecological Indicators, 139*, 108980. doi:10.1016/j.ecolind.2022.108980
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Landsat)
REMOTE SENSING (VIIRS)

Li, Y., Liao, Q., Zhao, X., Tao, Y., Bai, Y., & Peng, L. (2021). Premature mortality attributable to PM2.5 pollution in China during 2008–2016: Underlying causes and responses to emission reductions. *Chemosphere, 263*, 127925. doi:10.1016/j.chemosphere.2020.127925
Gridded Population of the World (GPW) v4 (unspecified)

Li, Y., Liu, M., Li, R., Sun, P., Xia, H., & He, T. (2020). Polycyclic aromatic hydrocarbons in the soils of the Yangtze River Delta Urban Agglomeration, China: Influence of land cover types and urbanization. *Science of The Total Environment, 715*, 137011. doi:10.1016/j.scitotenv.2020.137011
Gridded Population of the World (GPW) v4 (population count)

Li, Y., Osei, F. B., Hu, T., & Stein, A. (2023). Urban flood susceptibility mapping based on social media data in Chengdu city, China. *Sustainable Cities and Society, 88*, 104307. doi:10.1016/j.scs.2022.104307
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Sentinel-2)

Li, Y., Wang, Y., Zhang, Y., Zhou, X., & Sun, H. (2021). Impact of economic development levels on the mortality rates of Asian earthquakes. *International Journal of Disaster Risk Reduction, 62*, 102409. doi:10.1016/j.ijdrr.2021.102409
Gridded Population of the World (GPW) v3 (population count)
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Li, Y., Xue, L., Tao, Y., Li, Y., Wu, Y., Liao, Q., . . . Bai, Y. (2023). Exploring the contributions of major emission sources to PM2.5 and attributable health burdens in China. *Environmental Pollution, 322*, 121177. doi:10.1016/j.envpol.2023.121177
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB

Li, Y., Zhao, G., Allen, G. H., & Gao, H. (2023). Diminishing storage returns of reservoir construction. *Nature Communications, 14*(1), 3203. doi:10.1038/s41467-023-38843-5
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
REMOTE SENSING (Landsat)

Li, Y., Zhao, X., Liao, Q., Tao, Y., & Bai, Y. (2020). Specific differences and responses to reductions for premature mortality attributable to ambient PM2.5 in China. *Science of The Total Environment, 742*, 140643. doi:10.1016/j.scitotenv.2020.140643
Gridded Population of the World (GPW) v4 (population density)

Liang, S., Wang, D., Ziegler, A. D., Li, L. Z. X., & Zeng, Z. (2022). Madden–Julian Oscillation-induced extreme rainfalls constrained by global warming mitigation. *npj Climate and Atmospheric Science, 5*(1), 67. doi:10.1038/s41612-022-00291-1
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Liang, X., Lam, S. K., Gu, B., Galloway, J. N., Leach, A. M., & Chen, D. (2018). Reactive nitrogen spatial intensity (NrSI): A new indicator for environmental sustainability. *Global Environmental Change, 52*, 101-107. doi:10.1016/j.gloenvcha.2018.06.001
Gridded Population of the World (GPW) v4 (population density)

Liao, S., Yao, W., Han, X., Wen, J., & Cheng, S. (2017). Chronological operation simulation framework for regional power system under high penetration of renewable energy using meteorological data. *Applied Energy, 203*, 816-828. doi:10.1016/j.apenergy.2017.06.086
Gridded Population of the World (GPW) v4 (population density)

Liao, Y., Gil, J., Pereira, R. H. M., Yeh, S., & Verendel, V. (2020). Disparities in travel times between car and transit: Spatiotemporal patterns in cities. *Scientific Reports, 10*(1), 4056. doi:10.1038/s41598-020-61077-0
Gridded Population of the World (GPW) v4.11 (population count)

Lickley, M., & Solomon, S. (2018). Drivers, timing and some impacts of global aridity change. *Environmental Research Letters, 13*(10), 104010. doi:10.1088/1748-9326/aae013
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) - 10.7927/H4F47M2C

Lieber, R., King, A., Brown, J., Ashcroft, L., Freund, M., & McMichael, C. (2022). ENSO teleconnections more uncertain in regions of lower socioeconomic development. *Geophysical Research Letters, 49*(21), e2022GL100553. doi:10.1029/2022GL100553
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Liersch, S., Fournet, S., Koch, H., Djibo, A. G., Reinhardt, J., Kortlandt, J., . . . Hattermann, F. F. (2019). Water resources planning in the Upper Niger River basin: Are there gaps between water demand and supply? *Journal of Hydrology: Regional Studies, 21*, 176-194. doi:10.1016/j.ejrh.2018.12.006
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

Lieske, D. J., & Lloyd, V. K. (2018). Combining public participatory surveillance and occupancy modelling to predict the distributional response of Ixodes scapularis to climate change. *Ticks and Tick-borne Diseases, 9*(3), 695-706. doi:10.1016/j.ttbdis.2018.01.018
Gridded Population of the World (GPW) v4 Preliminary release 2 (population density)

Lilleskov, E., McCullough, K., Hergoualc'h, K., del Castillo Torres, D., Chimner, R., Murdiyarso, D., . . . Wayson, C. (2019). Is Indonesian peatland loss a cautionary tale for Peru? A two-country comparison of the magnitude and causes of tropical peatland degradation. *Mitigation and Adaptation Strategies for Global Change, 24*(4), 591-623. doi:10.1007/s11027-018-9790-3
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Lim, J., Kang, M., & Jung, C. (2019). Effect of national-level spatial distribution of cities on national transport CO2 emissions. *Environmental Impact Assessment Review, 77*, 162-173. doi:10.1016/j.eiar.2019.04.006
Gridded Population of the World (GPW) v3 (unspecified)
Gridded Population of the World (GPW) v4 (unspecified)

Lim, J.-S, Soares Magalhães, R. J., Chakma, S., You, D.-S., Lee, K.-N., Pak, S.-I., & Kim, E. (2022). Spatial epidemiology of highly pathogenic avian influenza subtype H5N6 in Gyeonggi Province, South Korea, 2016–2017. *Transboundary and Emerging Diseases, 69*(5), e2431-e2442. doi:10.1111/tbed.14587
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS - MOD13Q1)

Lim, J.-S., Vergne, T., Pak, S.-I., & Kim, E. (2021). Modelling the spatial distribution of ASF-positive wild boar carcasses in South Korea using 2019–2020 national surveillance data. *Animals, 11*(5), 1208. doi:10.3390/ani11051208
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Lim, J. T., Maung, K., Tan, S. T., Ong, S. E., Lim, J. M., Koo, J. R., . . . Dickens, B. S. L. (2021). Estimating

direct and spill-over impacts of political elections on COVID-19 transmission using synthetic control methods. *PLOS Computational Biology, 17*(5), e1008959. doi:10.1371/journal.pcbi.1008959
Gridded Population of the World (GPW) v4.11 (population density)

Lin, J., Huang, B., Kwan, M.-P., Chen, M., & Wang, Q. (2023). COVID-19 infection rate but not severity is associated with availability of greenness in the United States. *Landscape and Urban Planning, 233*, 104704. doi:10.1016/j.landurbplan.2023.104704
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS - MOD13A1)

Lin, M., Biswas, A., & Bennett, E. M. (2020). Socio-ecological determinants on spatio-temporal changes of groundwater in the Yellow River Basin, China. *Science of The Total Environment, 731*, 138725. doi:10.1016/j.scitotenv.2020.138725
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
Global Reservoir and Dam (GRanD) v1 (collection)
NASA REMOTE SENSING (GRACE)

Lin, X.-L., Jiang, K., Liu, W.-B., Liu, W., Bu, W.-J., Wang, X.-H., & Mo, L. (2021). Toward a global DNA barcode reference library of the intolerant nonbiting midge genus *Rheocricotopus* Brundin, 1956. *Ecology and Evolution, 11*(17), 12161-12172. doi:10.1002/ece3.7979
Gridded Population of the World (GPW) v4.11 (admin unit center points) - 10.7927/H4BC3WMT

Lin, Z., Li, H., Li, Y., Liu, J., Liu, L., Zhang, Q., . . . Lai, Z. (2022). *Systematic Utilization Analysis of Mega-Constellation Networks.* Paper presented at the 2022 International Wireless Communications and Mobile Computing (IWCMC).
Gridded Population of the World (GPW) v4.11 (population count)

Lin, Z., Li, H., Liu, J., Lai, Z., & Fan, G. (2022). *Inter-networking and function optimization for mega-constellations.* Paper presented at the 2022 IFIP Networking Conference (IFIP Networking).
Gridded Population of the World (GPW) v4.11 (population count)

Linard, C., Kabaria, C. W., Gilbert, M., Tatem, A. J., Gaughan, A. E., Stevens, F. R., . . . Snow, R. W. (2017). Modelling changing population distributions: an example of the Kenyan Coast, 1979–2009. *International Journal of Digital Earth, 10*(10), 1017-1029. doi:10.1080/17538947.2016.1275829
Gridded Population of the World (GPW) v3 (collection)
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (Landsat)

Lincke, D., Hinkel, J., Mengel, M., & Nicholls, R. J. (2022). Understanding the drivers of coastal flood exposure and risk from 1860 to 2100. *Earth's Future, 10*(12), e2021EF002584. doi:10.1029/2021EF002584
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Lindersson, S., Brandimarte, L., Mård, J., & Di Baldassarre, G. (2020). A review of freely accessible global

datasets for the study of floods, droughts and their interactions with human societies. *WIREs Water, 7*(3), e1424. doi:10.1002/wat2.1424

Gridded Population of the World (GPW) v4.10 (collection)
Population Dynamics (Global Estimated Net Migration Grids By Decade, v1)
Population Dynamics (Global Population Count Grid Time Series Estimates, v1) - 10.7927/H4CC0XNV
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Lindersson, S., Brandimarte, L., Mård, J., & Di Baldassarre, G. (2021). Global riverine flood risk – how do hydrogeomorphic floodplain maps compare to flood hazard maps? *Natural Hazards and Earth System Sciences, 21*(10), 2921-2948. doi:10.5194/nhess-21-2921-2021

Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Linh Nguyen, T. N., Pimonsree, S., Prueksakorn, K., Bich Thao, P. T., & Vongruang, P. (2022). Public health and economic impact assessment of PM2.5 from open biomass burning over countries in mainland Southeast Asia during the smog episode. *Atmospheric Pollution Research, 13*(6), 101418. doi:10.1016/j.apr.2022.101418

Gridded Population of the World (GPW) v4.11 (admin unit center points)
NASA REMOTE SENSING (MODIS)

Linke, S., Lehner, B., Ouellet Dallaire, C., Ariwi, J., Grill, G., Anand, M., . . . Thieme, M. (2019). Global hydro-environmental sub-basin and river reach characteristics at high spatial resolution. *Scientific Data, 6*(1), 283. doi:10.1038/s41597-019-0300-6

Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Lipner, E. M., O'Dell, K., Brey, S. J., Ford, B., Pierce, J. R., Fischer, E. V., & Crooks, J. L. (2019). The associations between clinical respiratory outcomes and ambient wildfire smoke exposure among pediatric asthma patients at National Jewish Health, 2012-2015. *GeoHealth, 3*(6), 146-159. doi:10.1029/2018gh000142

Gridded Population of the World (GPW) v4.10 (population count)

Lippi, C. A., Stewart-Ibarra, A. M., Loor, M. E. F. B., Zambrano, J. E. D., Lopez, N. A. E., Blackburn, J. K., & Ryan, S. J. (2019). Geographic shifts in *Aedes aegypti* habitat suitability in Ecuador using larval surveillance data and ecological niche modeling: Implications of climate change for public health vector control. *PLoS Neglected Tropical Diseases, 13*(4), e0007322. doi:10.1371/journal.pntd.0007322

Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ

Liu, B., Zou, X., Yi, S., Sneeuw, N., Cai, J., & Li, J. (2021). Identifying and separating climate- and human-driven water storage anomalies using GRACE satellite data. *Remote Sensing of Environment, 263*, 112559. doi:10.1016/j.rse.2021.112559

Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (GRACE)

Liu, H., Hu, Z., Zhou, M., Zhang, H., Zhang, X., Yue, Y., . . . Hu, B. (2022). PM2.5 drives bacterial functions

for carbon, nitrogen, and sulfur cycles in the atmosphere. *Environmental Pollution, 295*, 118715. doi:10.1016/j.envpol.2021.118715
Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ
NASA REMOTE SENSING (MODIS)

Liu, J. (2021). Mapping high resolution national daily NO2 exposure across mainland China using an ensemble algorithm. *Environmental Pollution, 279*, 116932. doi:10.1016/j.envpol.2021.116932
Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (TROPOMI)

Liu, J. (2023). Generating 250 m-resolution regional NO2 concentration products first from MODIS retrievals using extreme gradient boosting. *Air Quality, Atmosphere & Health, 16*, 445-458. doi:10.1007/s11869-022-01285-x
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Liu, J., & Chen, W. (2022). First satellite-based regional hourly NO2 estimations using a space-time ensemble learning model: A case study for Beijing-Tianjin-Hebei Region, China. *Science of The Total Environment, 820*, 153289. doi:10.1016/j.scitotenv.2022.153289
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Liu, J., Fang, P., Que, Y., Zhu, L.-J., Duan, Z., Tang, G., . . . Liu, Y. (2022). A dataset of lake-catchment characteristics for the Tibetan Plateau. *Earth System Science Data, 14*, 3791-3805. doi:10.5194/essd-14-3791-2022
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
REMOTE SENSING (DMSP-OLS)

Liu, J., Peng, L., Yu, L., Liu, X., Yao, Z., & Zhang, Q. (2023). Reduced rural residential emissions in the Northern China Plain from 2015 to 2021. *Science of The Total Environment, 865*, 161236. doi:10.1016/j.scitotenv.2022.161236
Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (Landsat)

Liu, J., Weng, F., & Li, Z. (2022). Ultrahigh-resolution (250 m) regional surface PM2.5 concentrations derived first from MODIS measurements. *IEEE Transactions on Geoscience and Remote Sensing, 60*, 1-12. doi:10.1109/TGRS.2021.3064191
Gridded Population of the World (GPW) v4 (unspecified)

Liu, J., Yin, H., Tang, X., Zhu, T., Zhang, Q., Liu, Z., . . . Yi, H. (2021). Transition in air pollution, disease burden and health cost in China: A comparative study of long-term and short-term exposure. *Environmental Pollution, 277*, 116770. doi:10.1016/j.envpol.2021.116770
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

Liu, L., Cheng, G., Yang, J., & Cheng, Y. (2023). Population spatialization in Zhengzhou city based on multi-source data and random forest model. *Frontiers in Earth Science, 11*.

          doi:10.3389/feart.2023.1092664
Gridded Population of the World (GPW) v4.11 (unspecified)
REMOTE SENSING (LuoJia1-01)

Liu, S., Geng, G., Xiao, Q., Zheng, Y., Liu, X., Cheng, J., & Zhang, Q. (2022). Tracking daily concentrations
          of PM2.5 chemical composition in China since 2000. *Environmental Science & Technology,*
          56(22), 16517–16527. doi:10.1021/acs.est.2c06510
Gridded Population of the World (GPW) v4.11 (population count)

Liu, S., Tian, H., Bai, X., Zhu, C., Wu, B., Luo, L., . . . Hao, J. (2021). Significant but
          spatiotemporal-heterogeneous health risks caused by airborne exposure to multiple toxic trace
          elements in China. *Environmental Science & Technology, 55*(19), 12818-12830.
          doi:10.1021/acs.est.1c01775
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Liu, S., Tian, H., Luo, L., Bai, X., Zhu, C., Lin, S., . . . Lv, Y. (2022). Health impacts and spatiotemporal
          variations of fine particulate and its typical toxic constituents in five urban agglomerations of
          China. *Science of The Total Environment, 806*(Part 4), 151459.
          doi:10.1016/j.scitotenv.2021.151459
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Liu, S., Wang, Y., Zhang, G. J., Wei, L., Wang, B., & Yu, L. (2022). Contrasting influences of biogeophysical
          and biogeochemical impacts of historical land use on global economic inequality. *Nature*
          Communications, 13(1), 2479. doi:10.1038/s41467-022-30145-6
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Liu, S., Xing, J., Wang, S., Ding, D., Chen, L., & Hao, J. (2020). Revealing the impacts of transboundary
          pollution on PM2.5-related deaths in China. *Environment International, 134*, 105323.
          doi:10.1016/j.envint.2019.105323
Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM
Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS
          Aerosol Optical Depth (AOD) with GWR, v1) - 10.7927/H4ZK5DQS

Liu, S., Xing, J., Wang, S., Ding, D., Cui, Y., & Hao, J. (2021). Health benefits of emission reduction under
          1.5 °C pathways far outweigh climate-related variations in China. *Environmental Science &*
          Technology, 55(16), 10957-10966. doi:10.1021/acs.est.1c01583
Gridded Population of the World (GPW) v4.10 (population density)

Liu, T., Marlier, M. E., DeFries, R. S., Westervelt, D. M., Xia, K. R., Fiore, A. M., . . . Milly, G. (2018).
          Seasonal impact of regional outdoor biomass burning on air pollution in three Indian cities:
          Delhi, Bengaluru, and Pune. *Atmospheric Environment, 172*, 83-92.
          doi:10.1016/j.atmosenv.2017.10.024
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)

Liu, W., Lim, W. H., Sun, F., Mitchell, D., Wang, H., Chen, D., . . . Fischer, E. (2018). Global freshwater
          availability below normal conditions and population impact under 1.5°C and 2°C stabilization
          scenarios. *Geophysical Research Letters, 45*(18), 9803-9813. doi:10.1029/2018GL078789

Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) -
    10.7927/H4JQ0XZW

Liu, X., Blackburn, T. M., Song, T., Li, X., Huang, C., & Li, Y. (2019). Risks of biological invasion on the Belt
    and Road. *Current Biology, 29*(3), 499-505.e494. doi:10.1016/j.cub.2018.12.036
Gridded Population of the World (GPW) v4 (population density)

Liu, X., Feng, S., Liu, H., & Ji, J. (2021). Patterns and determinants of woody encroachment in the eastern
    Eurasian steppe. *Land Degradation & Development, 32*(13), 3536-3549. doi:10.1002/ldr.3938
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Liu, X., Huang, Y., Xu, X., Li, X., Li, X., Ciais, P., . . . Zeng, Z. (2020). High-spatiotemporal-resolution
    mapping of global urban change from 1985 to 2015. *Nature Sustainability, 3*, 564-570.
    doi:10.1038/s41893-020-0521-x
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

Liu, X., Li, C., Liu, D., Grieneisen, M. L., Yang, F., Chen, C., & Zhan, Y. (2022). Hybrid deep learning models
    for mapping surface NO2 across China: One complicated model, many simple models, or many
    complicated models? *Atmospheric Research, 278*, 106339. doi:10.1016/j.atmosres.2022.106339
Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (OMI NO2)

Liu, X., Yang, S., Ye, T., An, R., & Chen, C. (2021). A new approach to estimating flood-affected
    populations by combining mobility patterns with multi-source data: A case study of Wuhan,
    China. *International Journal of Disaster Risk Reduction, 55*, 102106.
    doi:10.1016/j.ijdrr.2021.102106
Gridded Population of the World (GPW) v4 (collection)

Liu, Y., Cai, W., Lin, X., Li, Z., & Zhang, Y. (2023). Nonlinear El Niño impacts on the global economy under
    climate change. *Nature Communications, 14*(1), 5887. doi:10.1038/s41467-023-41551-9
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Liu, Y., Goudreau, S., Oiamo, T., Rainham, D., Hatzopoulou, M., Chen, H., . . . Smargiassi, A. (2020).
    Comparison of land use regression and random forests models on estimating noise levels in five
    Canadian cities. *Environmental Pollution, 256*, 113367. doi:10.1016/j.envpol.2019.113367
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

Liu, Y., Oiamo, T., Rainham, D., Chen, H., Hatzopoulou, M., Brook, J. R., . . . Smargiassi, A. (2021).
    Integrating random forests and propagation models for high-resolution noise mapping.
    Environmental Research, 195, 110905. doi:10.1016/j.envres.2021.110905
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (DMSP-OLS)

REMOTE SENSING (Landsat)

Liu, Y., Zhao, N., Vanos, J. K., & Cao, G. (2019). Revisiting the estimations of PM2.5-attributable mortality with advancements in PM2.5 mapping and mortality statistics. *Science of The Total Environment, 666*, 499-507. doi:10.1016/j.scitotenv.2019.02.269
Gridded Population of the World (GPW) v4.10 (population count)
Gridded Population of the World (GPW) v4.10 (basic demographic characteristics)

Liu, Z., Ma, T., Du, Y., Pei, T., Yi, J., & Peng, H. (2018). Mapping hourly dynamics of urban population using trajectories reconstructed from mobile phone records. *Transactions in GIS, 22*(2), 494-513. doi:10.1111/tgis.12323
Gridded Population of the World (GPW) v2 (Deichmann, Balk, & Yetman 2001)
Gridded Population of the World (GPW) v3 (Balk and Yetman 2004)
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Liu, Z., Rieder, H. E., Schmidt, C., Mayer, M., Guo, Y., Winiwarter, W., & Zhang, L. (2023). Optimal reactive nitrogen control pathways identified for cost-effective PM2.5 mitigation in Europe. *Nature Communications, 14*(1), 4246. doi:10.1038/s41467-023-39900-9
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics) - 10.7927/H46M34XX
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB

Liu, Z., Zhou, M., Chen, Y., Chen, D., Pan, Y., Song, T., . . . Lin, Z. (2021). The nonlinear response of fine particulate matter pollution to ammonia emission reductions in North China. *Environmental Research Letters, 16*(3), 034014. doi:10.1088/1748-9326/abdf86
Gridded Population of the World (GPW) v4.11 (population count)

Lloyd, C. T., Chamberlain, H., Kerr, D., Yetman, G., Pistolesi, L., Stevens, F. R., . . . Tatem, A. J. (2019). Global spatio-temporally harmonised datasets for producing high-resolution gridded population distribution datasets. *Big Earth Data, 3*(2), 108-139. doi:10.1080/20964471.2019.1625151
Gridded Population of the World (GPW) v3 (population density) - 10.7927/H4XK8CG2
Gridded Population of the World (GPW) v4 (data quality indicators) - 10.7927/H49C6VBN
Gridded Population of the World (GPW) v4.11 (national identifier grid)
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS Cloud Mask)

Lloyd, C. T., Sorichetta, A., & Tatem, A. J. (2017). High resolution global gridded data for use in population studies. *Scientific Data, 4*(170001). doi:10.1038/sdata.2017.1
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Loiselle, S. A., Gasparini Fernandes Cunha, D., Shupe, S., Valiente, E., Rocha, L., Heasley, E., . . . Baruch, A. (2016). Micro and macroscale drivers of nutrient concentrations in urban streams in South, Central and North America. *PLoS ONE, 11*(9), e0162684. doi:10.1371/journal.pone.0162684

Global Agricultural Inputs (phosphorous fertilizer application)
Gridded Population of the World (GPW) v4 Preliminary release 2 (population density)

Lokonon, B. E., Gbemavo, C. D. S. J., Agounde, G., Simbo, D., Samson, R., & Glèlè Kakaï, R. (2023).
Modelling the current and future distribution of *Caesalpinia bonduc* (L.) Roxb: Its implication for
future conservation of the species in the Southern Benin. *African Journal of Ecology, 61*(2),
389-398. doi:10.1111/aje.13122
Gridded Population of the World (GPW) v4.11 (population density)

Long, H., Ge, D., Zhang, Y., Tu, S., Qu, Y., & Ma, L. (2018). Changing man-land interrelations in China's
farming area under urbanization and its implications for food security. *Journal of Environmental
Management, 209*, 440-451. doi:10.1016/j.jenvman.2017.12.047
Gridded Population of the World (GPW) v4 (unspecified)

Louca, S. (2022). The rates of global bacterial and archaeal dispersal. *The ISME Journal, 16*, 159-167.
doi:10.1038/s41396-021-01069-8
Gridded Population of the World (GPW) v4.11 (population density)

Loveridge, A. J., Sousa, L. L., Seymour-Smith, J., Hunt, J., Coals, P., O'Donnell, H., . . . Macdonald, D. W.
(2020). Evaluating the spatial intensity and demographic impacts of wire-snare bush-meat
poaching on large carnivores. *Biological Conservation, 244*, 108504.
doi:10.1016/j.biocon.2020.108504
Gridded Population of the World (GPW) v4.10 (population density)

Low, B. W., Liew, J. H., Tan, H. H., Ahmad, A., Zeng, Y., & Yeo, D. C. J. (2022). The invasion and impacts of
the African sharptooth catfish (Clariidae: *Clarias gariepinus*) in the Malay Peninsula. *Freshwater
Biology, 67*(11), 1925-1937. doi:10.1111/fwb.13984
Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

LP DAAC. (2018). Using Population and Remote Sensing Data to Study Reforestation. Retrieved from
https://lpdaac.usgs.gov/user_resources/data_in_action/using_population_and_remote_sensing
_data_study_reforestation
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Lu, L., Weng, Q., Xie, Y., Guo, H., & Li, Q. (2019). An assessment of global electric power consumption
using the Defense Meteorological Satellite Program-Operational Linescan System nighttime light
imagery. *Energy, 189*, 116351. doi:10.1016/j.energy.2019.116351
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

Lu, M., Zou, Y., Xun, Q., Yu, Z., Jiang, M., Sheng, L., . . . Wang, D. (2021). Anthropogenic disturbances
caused declines in the wetland area and carbon pool in China during the last four decades.
Global Change Biology, 27(16), 3837-3845. doi:10.1111/gcb.15671
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
Last of the Wild v2 Global Human Influence Index (Geographic) - 10.7927/H4BP00QC

NASA REMOTE SENSING (VIIRS NPP)
REMOTE SENSING (Landsat)

Lu, X., Yuan, D., Chen, Y., & Fung, J. C. H. (2021). Impacts of urbanization and long-term meteorological variations on global PM2.5 and its associated health burden. *Environmental Pollution, 270*, 116003. doi:10.1016/j.envpol.2020.116003
Gridded Population of the World (GPW) v4.10 (basic demographic characteristics) - 10.7927/H45H7D7F
NASA REMOTE SENSING (AVHRR)
NASA REMOTE SENSING (MERRA-2)

Lucas, T. C. D., Nandi, A. K., Keddie, S. H., Chestnutt, E. G., Howes, R. E., Rumisha, S. F., . . . Weiss, D. J. (2022). Improving disaggregation models of malaria incidence by ensembling non-linear models of prevalence. *Spatial and Spatio-temporal Epidemiology, 41*, 100357. doi:10.1016/j.sste.2020.100357
Gridded Population of the World (GPW) v4 (unspecified)

Ludolph, L., Šedová, B., & Talevi, M. (2022). *Inequality and Security in the Aftermath of Internal Population Displacement Shocks : Evidence from Nigeria*. Retrieved from Washington DC: http://documents.worldbank.org/curated/en/099956405182219719/IDU07814c0ce004af04247 0b7070b7d58954fcdd
Gridded Population of the World (GPW) v4.11 (population count)

Lunt, M. F., Park, S., Li, S., Henne, S., Manning, A. J., Ganesan, A. L., . . . Rigby, M. (2018). Continued emissions of the ozone depleting substance carbon tetrachloride from eastern Asia. *Geophysical Research Letters, 45*(20), 11423-11430. doi:10.1029/2018GL079500
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Luo, J., Wang, W., Wu, Y., Peng, Y., & Zhang, L. (2021). Analysis of an urban development boundary policy in China based on the IAD framework. *Land, 10*(8), 855. doi:10.3390/land10080855
Gridded Population of the World (GPW) v4 (unspecified)

Luo, J., Xing, X., Wu, Y., Zhang, W., & Chen, R. S. (2018). Spatio-temporal analysis on built-up land expansion and population growth in the Yangtze River Delta Region, China: From a coordination perspective. *Applied Geography, 96*, 98-108. doi:10.1016/j.apgeog.2018.05.012
Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

Luo, Z., Wang, X., Yang, S., Cheng, X., Liu, Y., & Hu, J. (2021). Combining the responses of habitat suitability and connectivity to climate change for an East Asian endemic frog. *Frontiers in Zoology, 18*(1), 14. doi:10.1186/s12983-021-00398-w
Gridded Population of the World (GPW) v4.11 (land and water area) - 10.7927/H4Z60M4Z

Lyon, B., Barnston, A., G., Coffel, E. D., & Horton, R. (2019). Projected increase in the spatial extent of contiguous U.S. summer heat waves and associated attributes. *Environmental Research Letters, 14*(11), 114029. doi:10.1088/1748-9326/ab4b41
Gridded Population of the World (GPW) v4 (documentation) - 10.7927/H4D50JX4

Lyon, B., Dinku, T., Raman, A., & Thomson, M. C. (2017). Temperature suitability for malaria climbing the Ethiopian Highlands. *Environmental Research Letters, 12*(6), 064015.

doi:10.1088/1748-9326/aa64e6
Gridded Population of the World (GPW) v4 (population density)

Lyon, S. L., & Payne, K. V. (2020). *Understanding the Disease Vector Operational Environment by Predicting Presence of Anopheles Mosquito Breeding Sites Using Maximum Entropy Modeling and the Maxent Software Platform*. Retrieved from
https://erdc-library.erdc.dren.mil/jspui/handle/11681/38125
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H46T0JKB

Ma, J., Sun, Y., Meng, D., Huang, S., Li, N., & Zhu, H. (2021). *Accuracy assessment of two global gridded population dataset: A case study in China*. Paper presented at the 2021 The 4th International Conference on Information Science and Systems, Edinburgh, United Kingdom.
https://doi.org/10.1145/3459955.3460610
Gridded Population of the World (GPW) v4.11 (documentation)

Ma, W., Huang, Z., Cui, J., Boré, A., Chen, G., Qiao, Z., . . . Fellner, J. (2023). Inhalation health risk assessment of incineration and landfill in the Bohai Rim, China. *Chemosphere, 314*, 137588. doi:10.1016/j.chemosphere.2022.137588
Gridded Population of the World (GPW) v4.11 (population density)

Maamoun, N., Chitkara, P., Yang, J., Shrimali, G., Busby, J., Shidore, S., . . . Urpelainen, J. (2022). Identifying coal plants for early retirement in India: A multidimensional analysis of technical, economic, and environmental factors. *Applied Energy, 312*, 118644. doi:10.1016/j.apenergy.2022.118644
Gridded Population of the World (GPW) v4.10 (population count)

Maamoun, N., Kennedy, R., Jin, X., & Urpelainen, J. (2020). Identifying coal-fired power plants for early retirement. *Renewable and Sustainable Energy Reviews, 126*, 109833. doi:10.1016/j.rser.2020.109833
Gridded Population of the World (GPW) v4.10 (population count)

Maamoun, N., Kennedy, R., Peng, W., D'souza, D., Gray, M., Lavelle, S., . . . Urpelainen, J. (2023). Multi-dimensional and region-specific planning for coal retirements. *iScience, 26*(6), 106739. doi:10.1016/j.isci.2023.106739
Gridded Population of the World (GPW) v4.11 (population count)

Määttä, I., Ferreira, T., & Leßmann, C. (2022). Nighttime lights and wealth in very small areas. *Review of Regional Research, 42*, 161-190. doi:10.1007/s10037-021-00159-6
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
REMOTE SENSING (DMSP-OLS)

MacDonald, A. J., Hyon, D. W., McDaniels, A., O'Connor, K. E., Swei, A., & Briggs, C. J. (2018). Risk of vector tick exposure initially increases, then declines through time in response to wildfire in California. *Ecosphere, 9*(5), e02227. doi:10.1002/ecs2.2227
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Macdonald, B. N. J. (2020). *Room to Move: Political Accountability of "Lawmakers" in the Kenya National Assembly, 1998-2019.* (Ph.D.). Stanford University, Retrieved from

https://searchworks.stanford.edu/view/13680879
Gridded Population of the World (GPW) v3 (population density)
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (DMSP-OLS)

Macdonald, D. W., Bothwell, H. M., Hearn, A. J., Cheyne, S. M., Haidir, I., Hunter, L. T. B., . . . Cushman, S. A. (2018). Multi-scale habitat selection modeling identifies threats and conservation opportunities for the Sunda clouded leopard (*Neofelis diardi*). *Biological Conservation, 227*, 92-103. doi:10.1016/j.biocon.2018.08.027
Gridded Population of the World (GPW) v4 (population density)
Last of the Wild v2 (Global Human Footprint (Geographic))
NASA REMOTE SENSING (SRTM)

Macdonald, D. W., Chiaverini, L., Bothwell, H. M., Kaszta, Ż., Ash, E., Bolongon, G., . . . Cushman, S. A. (2020). Predicting biodiversity richness in rapidly changing landscapes: climate, low human pressure or protection as salvation? *Biodiversity and Conservation, 29*, 4035-4057. doi:10.1007/s10531-020-02062-x
Gridded Population of the World (GPW) v4 (population density)
Last of the Wild v2 (Global Human Footprint (Geographic))

Macklin, M. G., Thomas, C. J., Mudbhatkal, A., Brewer, P. A., Hudson-Edwards, K. A., Lewin, J., . . . Mangalaa, K. R. (2023). Impacts of metal mining on river systems: a global assessment. *Science, 381*(6664), 1345-1350. doi:10.1126/science.adg6704
Gridded Population of the World (GPW) v4.10 (population count)

MacManus, K., Balk, D., Engin, H., McGranahan, G., & Inman, R. (2021). Estimating population and urban areas at risk of coastal hazards, 1990–2015: How data choices matter. *Earth System Science Data, 13*(12), 5747-5801. doi:10.5194/essd-13-5747-2021
Gridded Population of the World (GPW) v4.11 (national identifier grid) - 10.7927/H4TD9VDP
Global Rural-Urban Mapping Project (GRUMP) v1.02 (urban extent polygons) - 10.7927/np6p-qe61
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1) - 10.7927/H4TM782G
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population and Land Area Estimates, v2) - 10.7927/H4MW2F2J
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population and Land Area Estimates, v3) - 10.7927/d1x1-d702
Satellite-Derived Environmental Indicators (VIIRS Plus DMSP Change in Lights (VIIRS+DMSP dLIGHT), v1) - 10.7927/9ryj-6467
REMOTE SENSING (MERIT)

MacNeil, M. A., Chapman, D. D., Heupel, M., Simpfendorfer, C. A., Heithaus, M., Meekan, M., . . . Cinner, J. E. (2020). Global status and conservation potential of reef sharks. *Nature, 583*(7818), 801-806. doi:10.1038/s41586-020-2519-y
Gridded Population of the World (GPW) v4.11 (population count)

Maffenini, L., Schiavina, M., Freire, S., Melchiorri, M., Pesaresi, M., & Kemper, T. (2020). *GHS-POP2 User Guide: Population to Grid Tool User Guide Version 2*. Retrieved from Luxembourg: https://doi.org/10.2760/500887
Gridded Population of the World (GPW) v4.10 (population count)

Maggi, F., Tang, F. H. M., Black, A. J., Marks, G. B., & McBratney, A. (2021). The pesticide health risk index - An application to the world's countries. *Science of The Total Environment, 801*, 149731. doi:10.1016/j.scitotenv.2021.149731
Gridded Population of the World (GPW) v4.11 (population count)

Maggi, F., Tang, F. H. M., la Cecilia, D., & McBratney, A. (2019). PEST-CHEMGRIDS, global gridded maps of the top 20 crop-specific pesticide application rates from 2015 to 2025. *Scientific Data, 6*(1), 170. doi:10.1038/s41597-019-0169-4
Global Agricultural Lands (Pasture)
Global Agricultural Inputs (nitrogen fertilizer application) - 10.7927/H4Q81B0R
Global Agricultural Inputs (phosphorous fertilizer application) - 10.7927/H4FQ9TJR
Global Agricultural Inputs (PEST-CHEMGRIDS)
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - population density)
NASA (MEaSUREs Global Food Security Support Analysis Data (GFSAD) Crop Mask Global 1 kilometer (km))

Magliocca, N. R., Ellicott, E. A., Ingalls, M. L., Epprecht, M., Hett, C., Nanhthavong, V., & de Bremond, A. C. (2022). Spatio-temporal unevenness in local land system regime shifts caused by land deals in Lao PDR. *Ecology and Society, 27*(4). doi:10.5751/ES-13405-270407
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (TRMM)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
Last of the Wild v2 Global Human Influence Index (Geographic) - 10.7927/H4BP00QC
Poverty Mapping (Global Subnational Prevalence of Child Malnutrition, v1) - 10.7927/H4K64G12

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NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS DNB)

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NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
REMOTE SENSING (unspecified)

Marcantonio, M., Metz, M., Baldacchino, F., Arnoldi, D., Montarsi, F., Capelli, G., . . . Rizzoli, A. (2016). First assessment of potential distribution and dispersal capacity of the emerging invasive mosquito *Aedes koreicus* in Northeast Italy. *Parasites & Vectors, 9*(1), 1-19. doi:10.1186/s13071-016-1340-9
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NASA REMOTE SENSING (MODIS - MOD13Q1)
NASA REMOTE SENSING (MODIS - MOD09A1)

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Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
NASA REMOTE SENSING (MODIS - MCD64A1)

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Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
NASA REMOTE SENSING (Black Marble -VIIRS)

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Gridded Population of the World (GPW) v4 (population density)
Last of the Wild v2 Global Human Influence Index (Geographic)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.10 (population density)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v3 (population density future estimates) - 10.7927/H4ST7MRB
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS)

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REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-1)

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Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS - MCD12Q1)
NASA REMOTE SENSING (MODIS - MCD43A4)
NASA REMOTE SENSING (MODIS - MOD13C2)
NASA REMOTE SENSING (MODIS - MOD17A3H)

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REMOTE SENSING (GlobColour)

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Gridded Population of the World (GPW) v4 (collection)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (VIIRS NTL)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
Population Dynamics (Global Population Count Grid Time Series Estimates, v1) - 10.7927/H4CC0XNV

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)

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Population Dynamics (Global Population Count Grid Time Series Estimates, v1) - 10.7927/H4CC0XNV

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ

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Gridded Population of the World (GPW) v4 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Menéndez, P., Losada, I. J., Torres-Ortega, S., Narayan, S., & Beck, M. W. (2020). The global flood protection benefits of mangroves. *Scientific Reports, 10*(1), 4404. doi:10.1038/s41598-020-61136-6
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (SRTM)

Menéndez, P., Losada, I. J., Torres-Ortega, S., Toimil, A., & Beck, M. W. (2019). Assessing the effects of using high-quality data and high-resolution models in valuing flood protection services of mangroves. *PLoS ONE, 14*(8), e0220941. doi:10.1371/journal.pone.0220941
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

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Gridded Population of the World (GPW) v4 (collection)
Population Dynamics (Global Population Count Grid Time Series Estimates, v1)
NASA REMOTE SENSING (MODIS)

Meng, J., Martin, R. V., Li, C., van Donkelaar, A., Tzompa-Sosa, Z. A., Yue, X., . . . Burnett, R. T. (2019). Source Contributions to Ambient Fine Particulate Matter for Canada. *Environmental Science & Technology, 53*(17), 10269-10278. doi:10.1021/acs.est.9b02461
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NASA REMOTE SENSING (MISR)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (collection)
NASA REMOTE SENSING (MODIS EVI)

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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics) - 10.7927/H46M34XX
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
Natural Disasters (Geocoded Disasters (GDIS) Dataset, v1)
NASA REMOTE SENSING (MODIS)

Metcalf, C. J. E., Andriamandimby, S. F., Baker, R. E., Glennon, E. E., Hampson, K., Hollingsworth, T. D., . . . Wesolowski, A. (2021). Challenges in evaluating risks and policy options around endemic establishment or elimination of novel pathogens. *Epidemics, 37*, 100507. doi:10.1016/j.epidem.2021.100507
Gridded Population of the World (GPW) v4.11 (unspecified)

Metelmann, S., Caminade, C., Jones, A. E., Medlock, J. M., Baylis, M., & Morse, A. P. (2019). The UK's suitability for *Aedes albopictus* in current and future climates. *Journal of the Royal Society Interface, 16*(152), 20180761. doi:10.1098/rsif.2018.0761
Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4.11 (population density)

Metya, A., Dagupta, P., Halder, S., Chakraborty, S., & Tiwari, Y. K. (2020). COVID-19 lockdowns improve air quality in the South-East Asian regions, as seen by the remote sensing satellites. *Aerosol and Air Quality Research, 20*(8), 1772-1782. doi:10.4209/aaqr.2020.05.0240
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (AIRS)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (OMI NO2)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4BG2KXS

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

Meyer, M. F., Labou, S. G., Cramer, A. N., Brousil, M. R., & Luff, B. T. (2020). The global lake area, climate, and population dataset. *Scientific Data, 7*(1), 174. doi:10.1038/s41597-020-0517-4
Gridded Population of the World (GPW) v3 (population count) - 10.7927/H4639MPP
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4 (collection)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (DMSP-OLS)

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NASA REMOTE SENSING (ASTER GDEM)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (GLAS LIDAR)

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Gridded Population of the World (GPW) v4 (population count)

Milda, D., Ramesh, T., Kalle, R., Gayathri, V., Thanikodi, M., & Ashish, K. (2023). Factors driving human–wild pig interactions: implications for wildlife conflict management in southern parts of India. *Biological Invasions, 25*, 221-235. doi:10.1007/s10530-022-02911-6
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Gridded Population of the World (GPW) v4.10 (population count)
REMOTE SENSING (DMSP-OLS)

Minor, K., Bjerre-Nielsen, A., Jonasdottir, S. S., Lehmann, S., & Obradovich, N. (2022). Rising temperatures erode human sleep globally. *One Earth, 5*(5), 534-549. doi:10.1016/j.oneear.2022.04.008
Gridded Population of the World (GPW) v4.11 (population count)

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4BG2KXS

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Gridded Population of the World (GPW) v4.11 (population count)

Miranda, E. B. P., Menezes, J. F. S., Farias, C. C. L., Munn, C., & Peres, C. A. (2019). Species distribution modeling reveals strongholds and potential reintroduction areas for the world's largest eagle. *PLoS ONE, 14*(5), e0216323. doi:10.1371/journal.pone.0216323
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
NASA REMOTE SENSING (MODIS)

Mirski, P., Cenian, Z., Dagys, M., Daroczi, S., Dementavičius, D., Maciorowski, G., . . . Väli, Ü. (2021). Sex-, landscape- and climate-dependent patterns of home-range size – a macroscale study on an avian generalist predator. *Ibis, 163*(2), 641-657. doi:10.1111/ibi.12894
Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v3 (population count)
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Mishra, B., Panthi, S., Poudel, S., & Ghimire, B. R. (2023). Forest fire pattern and vulnerability mapping using deep learning in Nepal. *Fire Ecology, 19*(1), 3. doi:10.1186/s42408-022-00162-3
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (MODIS)

Mitoma, H., Nagashima, F., Kagawa, S., & Nansai, K. (2021). Critical supply chains for mitigating PM2.5 emission-related mortalities in India. *Scientific Reports, 11*(1), 11914.

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Gridded Population of the World (GPW) v4.10 (basic demographic characteristics)

Miyazaki, K., Bowman, K., Sekiya, T., Jiang, Z., Chen, X., Eskes, H., . . . Shindell, D. (2020). Air quality
       response in China linked to the 2019 novel coronavirus (COVID-19) lockdown. *Geophysical
       Research Letters, 47*(19), e2020GL089252. doi:10.1029/2020GL089252
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (Aura Microwave Limb Sounder)
NASA REMOTE SENSING (MOPITT)
NASA REMOTE SENSING (OMI NO2)
REMOTE SENSING (TROPOMI)

Mo, H., You, Y., Wu, L., Yan, F., Chang, M., Wang, W., . . . Wang, X. (2023). Potential impact of industrial
       transfer on PM2.5 and economic development under scenarios oriented by different objectives
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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Moch, J. M., Mickley, L. J., Eastham, S. D., Lundgren, E. W., Shah, V., Buonocore, J. J., . . . Tai, A. P. K.
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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Modi, P., Hanasaki, N., Yamazaki, D., Boulange, J. E. S., & Oki, T. (2022). Sensitivity of subregional
       distribution of socioeconomic conditions to the global assessment of water scarcity.
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Gridded Population of the World (GPW) v4.11 (admin unit center points)
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Mohanty, M. P., & Simonovic, S. P. (2021). Understanding dynamics of population flood exposure in
       Canada with multiple high-resolution population datasets. *Science of The Total Environment,
       759*, 143559. doi:10.1016/j.scitotenv.2020.143559
Gridded Population of the World (GPW) v3 (population density) - 10.7927/H4XK8CG2
Gridded Population of the World (GPW) v4 (documentation) - 10.7927/H4B56GPT

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Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS DNB)

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Long-term environmental monitoring infrastructures in Europe: observations, measurements,
scales, and socio-ecological representativeness. *Science of The Total Environment, 624*, 968-978.
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Gridded Population of the World (GPW) v4 (population density)

Molnár, G., Kovács, A., & Gál, T. (2020). How does anthropogenic heating affect the thermal
environment in a medium-sized Central European city? A case study in Szeged, Hungary. *Urban
Climate, 34*, 100673. doi:10.1016/j.uclim.2020.100673
Gridded Population of the World (GPW) v4.10 (documentation) - 10.7927/H4B56GPT

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Cleaner Production, 375*, 134133. doi:10.1016/j.jclepro.2022.134133
Gridded Population of the World (GPW) v4.11 (national identifier grid)

Momeni-Dehaghi, I., Bennett, J. R., Mitchell, G. W., Rytwinski, T., & Fahrig, L. (2021). Mapping the
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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Mondal, P., McDermid, S. S., & Qadir, A. (2020). A reporting framework for Sustainable Development
Goal 15: Multi-scale monitoring of forest degradation using MODIS, Landsat and Sentinel data.
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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
NASA REMOTE SEnSING (MODIS)
REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-2 NDVI)

Mondal, S. K., Huang, J., Wang, Y., Su, B., Zhai, J., Tao, H., . . . Jiang, T. (2021). Doubling of the population
exposed to drought over South Asia: CMIP6 multi-model-based analysis. *Science of The Total
Environment, 771*, 145186. doi:10.1016/j.scitotenv.2021.145186
Gridded Population of the World (GPW) v4 (unspecified)

Monsieurs, E., Jacobs, L., Michellier, C., Basimike Tchangaboba, J., Ganza, G. B., Kervyn, F., . . . Dewitte,
O. (2018). Landslide inventory for hazard assessment in a data-poor context: a regional-scale
approach in a tropical African environment. *Landslides, 15*(11), 2195-2209.
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Geo-Information, 10*(9), 619. doi:10.3390/ijgi10090619
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)
Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006)
REMOTE SENSING (VIIRS DNB)

Monteiro, J., Martins, B., & Pires, J. M. (2018). A hybrid approach for the spatial disaggregation of

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Gridded Population of the World (GPW) v4 (collection)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

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Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

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Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4 (data quality indicators) - 10.7927/H49C6VBN
REMOTE SENSING (Landsat)

Morant Echevarria, J. (2022). *Behavioural Ecology and Conservation of the Egyptian Vulture in Human-Dominated Landscapes: Insights from Long-Term Monitoring and Movement Ecology.* (Ph.D.). Universidad del Pais Vasco, Retrieved from http://hdl.handle.net/10810/56144
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

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Gridded Population of the World (GPW) v4 beta (population density)
NASA REMOTE SENSING (ASTER GDEM)

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Gridded Population of the World (GPW) v4.10 (population density)

Moslenko, L., Blagrave, K., Filazzola, A., Shuvo, A., & Sharma, S. (2020). Identifying the influence of land cover and human population on chlorophyll a concentrations using a pseudo-watershed

analytical framework. *Water, 12*(11), 3215. doi:10.3390/w12113215
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS - MCD12Q1)

Mouillot, D., Velez, L., Maire, E., Masson, A., Hicks, C. C., Moloney, J., & Troussellier, M. (2020). Global
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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) -
10.7927/H4F47M2C

Mounir, A. (2022). *Quantifying the Synergies in the Water-Energy Nexus Generated by Renewable Energy
in a Water-Limited Metropolitan Region Through Integrated Modeling.* (Ph.D.). Arizona State
University, Tempe, AZ. Retrieved from https://hdl.handle.net/2286/R.2.N.171625
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
10.7927/H4F47M65
Gridded Population of the World (GPW) v3 (population count) - 10.7927/H4639MPP

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NASA REMOTE SENSING (MERRA-2)

Moya, D., Copara, D., Borja, A., Pérez, C., Kaparaju, P., Pérez-Navarro, Á., . . . Hawkes, A. (2022).
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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) -
10.7927/H4F47M2C

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Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
NASA REMOTE SENSING (TROPOMI)

Mudau, N., & Mhangara, P. (2022). Towards understanding informal settlement growth patterns:
Contribution to SDG reporting and spatial planning. *Remote Sensing Applications: Society and
Environment, 27*, 100801. doi:10.1016/j.rsase.2022.100801
Gridded Population of the World (GPW) v4.11 (collection)

Mueller, V., Sheriff, G., Dou, X., & Gray, C. (2020). Temporary migration and climate variation in eastern
Africa. *World Development, 126*, 104704. doi:10.1016/j.worlddev.2019.104704

Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
NASA REMOTE SENSING (MERRA)

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Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Sentinel-2 NDVI)

Mueller, W., Wilkinson, P., Milner, J., Loh, M., Vardoulakis, S., Petard, Z., . . . Arvind, D. K. (2022). The
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REMOTE SENSING (Sentinel-2)

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    Neighbourhood and path-based greenspace in three European countries: associations with
    objective physical activity. *BMC Public Health, 21*(1), 282. doi:10.1186/s12889-021-10259-0
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-2 NDVI)

Muis, S., Haigh, I. D., Nobre, G. G., Aerts, J. C. J. H., & Ward, P. J. (2018). Influence of El Niño Southern
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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
NASA REMOTE SENSING (SRTM)

Mukherjee, A., McCarthy, M. C., Brown, S. G., Huang, S., Landsberg, K., & Eisinger, D. S. (2020). Influence
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    (2021). Occurrence, predictors and hazards of elevated groundwater arsenic across India
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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Mukherjee, S., Mishra, A. K., Mann, M. E., & Raymond, C. (2021). Anthropogenic warming and
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Gridded Population of the World (GPW) v4.11 (admin unit center points) - 10.7927/H4BC3WMT
Population Dynamics (Global One-Eighth Degree Population Projection Grids for the SSPs, v1) -
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Mulanda Aura, C., Musa, S., Nyamweya, C. S., Ogari, Z., Njiru, J. M., Hamilton, S. E., & May, L. (2021). A GIS-based approach for delineating suitable areas for cage fish culture in a lake. *Lakes & Reservoirs: Science, Policy and Management for Sustainable Use, 26*(2), e12357. doi:10.1111/lre.12357
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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

Muñoz, Á. G., Chourio, X., Rivière-Cinnamond, A., Diuk-Wasser, M. A., Kache, P. A., Mordecai, E. A., . . . Thomson, M. C. (2020). AeDES: a next-generation monitoring and forecasting system for environmental suitability of Aedes-borne disease transmission. *Scientific Reports, 10*(1), 12640. doi:10.1038/s41598-020-69625-4
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) - 10.7927/H4F47M2C

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
REMOTE SENSING (GOES)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
NASA REMOTE SENSING (GPM IMERG)
NASA REMOTE SENSING (MODIS)

Muyobela, J., Pirk, C. W. W., Yusuf, A. A., & Sole, C. L. (2023). Spatial distribution of *Glossina morsitans* (Diptera: Glossinidae) in Zambia: A vehicle-mounted sticky trap survey and Maxent species distribution model. *PLoS Neglected Tropical Diseases, 17*(7), e0011512. doi:10.1371/journal.pntd.0011512
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)

Mwendwa, D. M., Tchouambe, J., Hu, E., Lanza, M. F., Brener, A. B., Hwang, G., . . . McCulloch, M. (2022). Spatial data starter kit for OnSSET energy planning in Kitui County, Kenya. *Data in Brief, 45*,

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Gridded Population of the World (GPW) v4 (population count)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Myllyvirta, L. (2021). *Briefing: Health Impacts of Coal-Fired Power Projects with HSBC Equity Stakes*. Retrieved from https://energyandcleanair.org/wp/wp-content/uploads/2021/05/HSBC-coal-stakes_-health-impacts.pdf
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

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Gridded Population of the World (GPW) v4.11 (population density)

Næss, J. S., Cavalett, O., & Cherubini, F. (2021). The land–energy–water nexus of global bioenergy potentials from abandoned cropland. *Nature Sustainability, 4*, 525-536. doi:10.1038/s41893-020-00680-5
Gridded Population of the World (GPW) v4.11 (national identifier grid) - 10.7927/H4TD9VDP

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Gridded Population of the World (GPW) v4.11 (national identifier grid) - 10.7927/H4TD9VDP

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Gridded Population of the World (GPW) v4.11 (national identifier grid) - 10.7927/H4TD9VDP

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REMOTE SENSING (Landsat)

Naito, H., Ismailov, A., & Kimaro, A. B. (2021). The effect of mobile money on borrowing and saving: Evidence from Tanzania. *World Development Perspectives, 23*, 100342. doi:10.1016/j.wdp.2021.100342
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
Global High Resolution Urban Data from Landsat (HBASE) - 10.7927/H4DN434S
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

REMOTE SENSING (DMSP-OLS)

Nakayama, T., & Osako, M. (2023). The flux and fate of plastic in the world's major rivers: Modelling spatial and temporal variability. *Global and Planetary Change, 221*, 104037. doi:10.1016/j.gloplacha.2023.104037

Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Nakayama, T., Wang, Q., & Okadera, T. (2021). Evaluation of spatio-temporal variations in water availability using a process-based eco-hydrology model in arid and semi-arid regions of Mongolia. *Ecological Modelling, 440*, 109404. doi:10.1016/j.ecolmodel.2020.109404

Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Nakayama, T., Wang, Q., & Okadera, T. (2021). Sensitivity analysis and parameter estimation of anthropogenic water uses for quantifying relation between groundwater overuse and water stress in Mongolia. *Ecohydrology & Hydrobiology, 21*(3), 490-500. doi:10.1016/j.ecohyd.2021.07.006

Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Nansai, K., Tohno, S., Chatani, S., Kanemoto, K., Kagawa, S., Kondo, Y., . . . Lenzen, M. (2021). Consumption in the G20 nations causes particulate air pollution resulting in two million premature deaths annually. *Nature Communications, 12*(1), 6286. doi:10.1038/s41467-021-26348-y

Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

NASA REMOTE SENSING (MODIS)

Nansai, K., Tohno, S., Chatani, S., Kanemoto, K., Kurogi, M., Fujii, Y., . . . Lenzen, M. (2020). Affluent countries inflict inequitable mortality and economic loss on Asia via PM2.5 emissions. *Environment International, 134*, 105238. doi:10.1016/j.envint.2019.105238

Gridded Population of the World (GPW) v4.10 (basic demographic characteristics)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Nauditt, A., Stahl, K., Rodríguez, E., Birkel, C., Formiga-Johnsson, R. M., Marko, K., . . . Hann, H. (2022). Evaluating tropical drought risk by combining open access gridded vulnerability and hazard data products. *Science of The Total Environment, 822*, 153493. doi:10.1016/j.scitotenv.2022.153493

Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

Global Roads (Global Roads Open Access Data Set (gROADS), v1)

NASA REMOTE SENSING (MODIS - MOD13Q13)

Nault, B. A., Jo, D. S., McDonald, B. C., Campuzano-Jost, P., Day, D. A., Hu, W., . . . Jimenez, J. L. (2021). Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. *Atmospheric Chemistry and Physics, 21*(14), 11201-11224. doi:10.5194/acp-21-11201-2021

Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Nauman, C., Anderson, E., Coughlan de Perez, E., Kruczkiewicz, A., McClain, S., Markert, A., . . . Suarez, P. (2021). Perspectives on flood forecast-based early action and opportunities for Earth observations. *Journal of Applied Remote Sensing, 15*(3), 032002. doi:10.1117/1.JRS.15.032002

Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

NASA REMOTE SENSING (SWOT)

Naus, S., Montzka, S. A., Patra, P. K., & Krol, M. C. (2021). A three-dimensional-model inversion of methyl chloroform to constrain the atmospheric oxidative capacity. *Atmospheric Chemistry and Physics, 21*(6), 4809-4824. doi:10.5194/acp-21-4809-2021

Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Nava, V., Chandra, S., Aherne, J., Alfonso, M. B., Antão-Geraldes, A. M., Attermeyer, K., . . . Leoni, B. (2023). Plastic debris in lakes and reservoirs. *Nature, 619*(7969), 317-322. doi:10.1038/s41586-023-06168-4

Gridded Population of the World (GPW) v4.11 (admin unit center points) - 10.7927/H4BC3WMT

Last of the Wild v2 (Global Human Footprint (Geographic)) - 10.7927/H4M61H5F

NASA REMOTE SENSING (ASTER GDEM)

REMOTE SENSING (Proba-V)

Navarro, A., Moreno, R., Jiménez-Alcázar, A., & Tapiador, F. J. (2019). Coupling population dynamics with earth system models: the POPEM model. *Environmental Science and Pollution Research, 26*(4), 3184-3195. doi:10.1007/s11356-017-0127-7

Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Nawaz, M. O., & Henze, D. K. (2020). Premature deaths in Brazil associated with long-term exposure to PM2.5 from Amazon fires between 2016-2019. *GeoHealth, 4*(8), e2020GH000268. doi:10.1029/2020gh000268

Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) - 10.7927/H4F47M2C

Nawaz, M. O., Henze, D. K., Anenberg, S. C., Braun, C., Miller, J., & Pronk, E. (2023). A source apportionment and emission scenario assessment of PM2.5- and O3-related health impacts in G20 countries. *GeoHealth, 7*(1), e2022GH000713. doi:10.1029/2022GH000713

Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Neate-Clegg, M. H. C., Tonelli, B. A., Youngflesh, C., Wu, J. X., Montgomery, G. A., Şekercioğlu, Ç. H., & Tingley, M. W. (2023). Traits shaping urban tolerance in birds differ around the world. *Current Biology, 33*(9), 1677-1688.e1676. doi:10.1016/j.cub.2023.03.024
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (VIIRS NTL)

Neher, I., Crewell, S., Meilinger, S., Pfeifroth, U., & Trentmann, J. (2020). Photovoltaic power potential in West Africa using long-term satellite data. *Atmospheric Chemistry and Physics, 20*(21), 12871-12888. doi:10.5194/acp-20-12871-2020
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Meteosat)

Nelms, S. E., Duncan, E. M., Patel, S., Badola, R., Bhola, S., Chakma, S., . . . Koldewey, H. (2021). Riverine plastic pollution from fisheries: Insights from the Ganges River system. *Science of The Total Environment, 756*, 143305. doi:10.1016/j.scitotenv.2020.143305
Gridded Population of the World (GPW) v4.11 (population count)

Nelson, E. J., Rogers, M., Wood, S., Chung, J., & Keeler, B. (2020). *Using 'big data' to explain visits to lakes in 17 US states*. Retrieved from https://digitalcommons.bowdoin.edu/econpapers/17
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Nelson, G. D. (2019). What micro-mapping a city's density reveals.   Retrieved from https://www.citylab.com/perspective/2019/07/urban-density-map-city-population-data-geography/591760/
Gridded Population of the World (GPW) v4 (population density)

Neroda, A. S., Goncharova, A. A., & Mishukov, V. F. (2020). PAHs in the atmospheric aerosols and seawater in the North–West Pacific ocean and sea of Japan. *Atmospheric Environment, 222*, 117117. doi:10.1016/j.atmosenv.2019.117117
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (FIRMS)

Ng'uni, D., Munkombwe, G., Mwila, G., Gaisberger, H., Brehm, J. M., Maxted, N., . . . Thormann, I. (2019). Spatial analyses of occurrence data of crop wild relatives (CWR) taxa as tools for selection of sites for conservation of priority CWR in Zambia. *Plant Genetic Resources: Characterization and Utilization, 17*(Special Issue 2 (Crop Wild Relatives)), 103-114. doi:10.1017/S1479262118000497
Gridded Population of the World (GPW) v4 (population density)

Nguyen, G. T. H., Nguyen, T. T. T., Shimadera, H., Uranishi, K., Matsuo, T., & Kondo, A. (2022). Estimating mortality related to O3 and PM2.5 under changing climate and emission in continental Southeast Asia. *Aerosol and Air Quality Research, 22*, 220105. doi:10.4209/aaqr.220105
Gridded Population of the World (GPW) v4.11 (population count)

Nguyen, L. D., Dang, P. D. N., & Nguyen, L. K. (2021). Estimating surface water and vadose water resources for an ungauged inland catchment in Vietnam. *Journal of Water and Climate Change, 12*(6), 2716-2733. doi:10.2166/wcc.2021.343

Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Niassy, S., Murithii, B., Omuse, E. R., Kimathi, E., Tonnang, H., Ndlela, S., . . . Ekesi, S. (2022). Insight on fruit fly IPM technology uptake and barriers to scaling in Africa. *Sustainability, 14*(5), 2954. doi:10.3390/su14052954
Gridded Population of the World (GPW) v4.11 (population density)

Nicholson, S. K., Dickman, A., Hinks, A., Riggio, J., Bauer, H., Loveridge, A., . . . Jacobson, A. P. (2023). Socio-political and ecological fragility of threatened, free-ranging African lion populations. *Communications Earth & Environment, 4*(1), 302. doi:10.1038/s43247-023-00959-3
Gridded Population of the World (GPW) v4.11 (population density)

Nickel, S., & Schröder, W. (2019). Correlating elements content in mosses collected in 2015 across Germany with spatially associated characteristics of sampling sites and their surroundings. *Environmental Sciences Europe, 31*(1), 80. doi:10.1186/s12302-019-0260-7
Gridded Population of the World (GPW) v4 (population density)

Nievas, C. I., Bommer, J. J., Crowley, H., & van Elk, J. (2020). Global occurrence and impact of small-to-medium magnitude earthquakes: a statistical analysis. *Bulletin of Earthquake Engineering, 18*, 1-35. doi:10.1007/s10518-019-00718-w
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Nieves, J. J., Bondarenko, M., Kerr, D., Ves, N., Yetman, G., Sinha, P., . . . Tatem, A. J. (2021). Measuring the contribution of built-settlement data to global population mapping. *Social Sciences & Humanities Open, 3*(1), 100102. doi:10.2139/ssrn.3599775
Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Nieves, J. J., Bondarenko, M., Sorichetta, A., Steele, J. E., Kerr, D., Carioli, A., . . . Tatem, A. J. (2020). Predicting near-future built-settlement expansion using relative changes in small area populations. *Remote Sensing, 12*(10), 1545. doi:10.3390/rs12101545
Gridded Population of the World (GPW) v4 (collection)
POPGRID

Nieves, J. J., Sorichetta, A., Linard, C., Bondarenko, M., Steele, J., Stevens, F. R., . . . Tatem, A. J. (2020). Annually modelling built-settlements between remotely-sensed observations using relative changes in subnational populations and lights at night. *Computers, Environment and Urban Systems, 80*, 101444. doi:10.1016/j.compenvurbsys.2019.101444
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Nikolaou, P., & Dimitriou, L. (2020). Identification of critical airports for controlling global infectious disease outbreaks: Stress-tests focusing in Europe. *Journal of Air Transport Management, 85*, 101819. doi:10.1016/j.jairtraman.2020.101819
Gridded Population of the World (GPW) v4.11 (population density) map

Niles, M. T., Emery, B. F., Wiltshire, S., Brown, M. E., Fisher, B., & Ricketts, T. H. (2021). Climate impacts associated with reduced diet diversity in children across nineteen countries. *Environmental Research Letters, 16*(1), 015010. doi:10.1088/1748-9326/abd0ab
Gridded Population of the World (GPW) v4 (population density)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)

Nilsen, K., Tejedor-Garavito, N., Leasure, D. R., Utazi, C. E., Ruktanonchai, C. W., Wigley, A. S., . . . Tatem, A. J. (2021). A review of geospatial methods for population estimation and their use in constructing reproductive, maternal, newborn, child and adolescent health service indicators. *BMC Health Services Research, 21*(1), 370. doi:10.1186/s12913-021-06370-y
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4 (documentation) - 10.7927/H45Q4T5F

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Gridded Population of the World (GPW) v4.10 (population count)

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Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
Population Dynamics (Global Estimated Net Migration Grids By Decade, v1) - 10.7927/H4319SVC

Poverty Mapping (Global Subnational Infant Mortality Rates, v2) - 10.7927/H4PN93JJ

Noy, I., Doan, N., Ferrarini, B., & Park, D. (2020). Measuring the economic risk of COVID-19. *Global Policy, 11*(4), 413-423. doi:10.1111/1758-5899.12851
Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
Population Dynamics (Global Estimated Net Migration Grids By Decade, v1) - 10.7927/H4319SVC
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Last of the Wild v2 Global Human Influence Index (IGHP) - 10.7927/H46W980H
NASA REMOTE SENSING (MODIS - MOD44B)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
Last of the Wild v2 Global Human Influence Index (IGHP)
NASA REMOTE SENSING (MODIS Vegetation Continuous Fields)
NASA REMOTE SENSING (SRTM)

Nusrat, F., Haque, M., Rollend, D., Christie, G., & Akanda, A. S. (2022). A high-resolution earth observations and machine learning-based approach to forecast waterborne disease risk in post-disaster settings. *Climate, 10*(4), 48. doi:10.3390/cli10040048
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (IMERG)
NASA REMOTE SENSING (TRMM)

Nyadanu, S. D., Tessema, G. A., Mullins, B., Kumi-Boateng, B., Ofosu, A. A., & Pereira, G. (2022). Ambient particulate matter air pollution and stillbirth in Ghana: A difference-in-differences approach. *Atmospheric Pollution Research, 13*(7), 101471. doi:10.1016/j.apr.2022.101471
Gridded Population of the World (GPW) v4.11 (population density)

O, S., Hou, X., & Orth, R. (2020). Observational evidence of wildfire-promoting soil moisture anomalies. *Scientific Reports, 10*(1), 11008. doi:10.1038/s41598-020-67530-4
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
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NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (unspecified)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Obahoundje, S., Youan Ta, M., Diedhiou, A., Amoussou, E., & Kouadio, K. (2021). Sensitivity of hydropower generation to changes in climate and land use in the Mono Basin (West Africa) using CORDEX dataset and WEAP model. *Environmental Processes, 8*, 1073-1097. doi:10.1007/s40710-021-00516-0
Gridded Population of the World (GPW) v4.11 (documentation)

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Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (MODIS)

Obida, C. B., Blackburn, G. A., Whyatt, J. D., & Semple, K. T. (2018). Quantifying the exposure of humans and the environment to oil pollution in the Niger Delta using advanced geostatistical techniques. *Environment International, 111*(Supplement C), 32-42. doi:10.1016/j.envint.2017.11.009
Gridded Population of the World (GPW) v4 (population count)

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Gridded Population of the World (GPW) v4 (population density)

Occhiali, G., & Falchetta, G. (2018). *The Changing Role of Natural Gas in Nigeria*. Retrieved from Milano: https://www.feem.it/en/publications/feem-working-papers-note-di-lavoro-series/the-changing-role-of-natural-gas-in-nigeria/
Gridded Population of the World (GPW) v4 (population density) map

Oddo, P. C., Ahamed, A., & Bolten, J. D. (2018). Socioeconomic impact evaluation for near real-time flood detection in the Lower Mekong River Basin. *Hydrology, 5*(2), 23. doi:10.3390/hydrology5020023
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (ENVISAT Advanced Synthetic Aperture Radar Wide Swath Mode (ASAR-WSM))
REMOTE SENSING (Landsat 5 TM)

Oddo, P. C., & Bolten, J. D. (2019). The value of near real-time Earth observations for improved flood disaster response. *Frontiers in Environmental Science, 7*(127). doi:10.3389/fenvs.2019.00127
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Ojwang, L., Rosendo, S., Celliers, L., Obura, D., Muiti, A., Kamula, J., & Mwangi, M. (2017). Assessment of coastal governance for climate change adaptation in Kenya. *Earth's Future, 5*(11), 1119-1132. doi:10.1002/2017EF000595
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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Olokotum, M., Mitroi, V., Troussellier, M., Semyalo, R., Bernard, C., Montuelle, B., . . . Humbert, J.-F. (2020). A review of the socioecological causes and consequences of cyanobacterial blooms in Lake Victoria. *Harmful Algae, 96*, 101829. doi:10.1016/j.hal.2020.101829
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

O'Meara, L., Cohen, P. J., Simmance, F., Marinda, P., Nagoli, J., Teoh, S. J., . . . Byrd, K. A. (2021). Inland fisheries critical for the diet quality of young children in sub-Saharan Africa. *Global Food Security, 28*, 100483. doi:10.1016/j.gfs.2020.100483
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

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Gridded Population of the World (GPW) v4 (population density)

Operti, F. G., Oliveira, E. A., Carmona, H. A., Machado, J. C., & Andrade, J. S. (2018). The light pollution as a surrogate for urban population of the US cities. *Physica A: Statistical Mechanics and its Applications, 492*, 1088-1096. doi:10.1016/j.physa.2017.11.039
Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (VIIRS NTL)

Orlando, L., Ortega, L., & Defeo, O. (2020). Urbanization effects on sandy beach macrofauna along an estuarine gradient. *Ecological Indicators, 111*, 106036. doi:10.1016/j.ecolind.2019.106036
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

Orlando, L., Ortega, L., & Defeo, O. (2021). Perspectives for sandy beach management in the Anthropocene: Satellite information, tourism seasonality, and expert recommendations. *Estuarine, Coastal and Shelf Science, 262*, 107597. doi:10.1016/j.ecss.2021.107597
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (DMSP-OLS)

REMOTE SENSING (Landsat)

Orlov, A., Sillmann, J., Aaheim, A., Aunan, K., & de Bruin, K. (2019). Economic losses of heat-induced reductions in outdoor worker productivity: A case study of Europe. *Economics of Disasters and Climate Change, 3*(3), 191-211. doi:10.1007/s41885-019-00044-0
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)

Orr, A., Cox, C. M., Ru, Y., & Ashby, J. (2018). *Gender and Social Targeting in Plant Breeding*. Retrieved from Lima, Peru: http://hdl.handle.net/10568/91276
Gridded Population of the World (GPW) v4 (collection)

Orth, R., O, S., Zscheischler, J., Mahecha, M. D., & Reichstein, M. (2022). Contrasting biophysical and social impacts of hydro-meteorological extremes. *Environmental Research Letters, 17*(1), 014044. doi:10.1088/1748-9326/ac4139
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) - 10.7927/H4JQ0XZW

Orton, P., Talke, S., Jay, D., Yin, L., Blumberg, A., Georgas, N., . . . MacManus, K. (2015). Channel shallowing as mitigation of coastal flooding. *Journal of Marine Science and Engineering, 3*(3), 654-673. doi:10.3390/jmse3030654
Gridded Population of the World (GPW) v4 (collection)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (TRMM)

Ossola, A., Hoeppner, M. J., Burley, H. M., Gallagher, R. V., Beaumont, L. J., & Leishman, M. R. (2020). The Global Urban Tree Inventory: A database of the diverse tree flora that inhabits the world's cities. *Global Ecology and Biogeography, 29*(11), 1907-1914. doi:10.1111/geb.13169
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (population count)

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Gridded Population of the World (GPW) v4.11 (population density)

Østby, G., Shemyakina, O., Tollefsen, A. F., Urdal, H., & Verpoorten, M. (2021). Public health and armed conflict: Immunization in times of systemic disruptions. *Population and Development Review, 47*(4), 1143-1177. doi:10.1111/padr.12450

Gridded Population of the World (GPW) v4 (unspecified)

Østby, G., Urdal, H., Tollefsen, A. F., Kotsadam, A., Belbo, R., & Ormhaug, C. (2018). Organized violence
    and institutional child delivery: Micro-level evidence From Sub-Saharan Africa, 1989–2014.
    Demography, 55(4), 1295-1316. doi:10.1007/s13524-018-0685-4
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

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Gridded Population of the World (GPW) v3 (unspecified)
Gridded Population of the World (GPW) v4 (unspecified)

Ostrom, C. L. (2017). *Improving estimation of ground casualty risk from reentering space objects*. Paper
    presented at the Ninth International Association for the Advancement of Space Safety (IAASS)
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Gridded Population of the World (GPW) v2
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

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Gridded Population of the World (GPW) v2 (population density)
Gridded Population of the World (GPW) v4 (population count)

Ostrom, C. L., & Smith, A. N. (2019). *Effect of latitude bias in entry angle on ground casualty risk from
    naturally decaying space objects*. Paper presented at the 10th International Association for the
    Advancement of Space Safety   (IAASS) Conference, El Segundo, CA.
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Gridded Population of the World (GPW) v4 (population density)

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    der-based-Violence-Evidence-from-Sub-Saharan-Africa-509667
Gridded Population of the World (GPW) v4.11 (unspecified)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
REMOTE SENSING (DMSP-OLS)

Ouyang, X., Duarte, C. M., Cheung, S.-G., Tam, N. F.-Y., Cannicci, S., Martin, C., . . . Lee, S. Y. (2022). Fate
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    Technology, 56*(4), 2386-2397. doi:10.1021/acs.est.1c06732
Gridded Population of the World (GPW) v4.11 (population count)

Pacifici, M., Visconti, P., & Rondinini, C. (2018). A framework for the identification of hotspots of climate
    change risk for mammals. *Global Change Biology, 24*(4), 1626-1636. doi:10.1111/gcb.13942
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Pagaduan, J. A. (2023). Spatial income inequality, convergence, and regional development in a lower middle-income country: Satellite evidence from the Philippines. *The Developing Economies, 61*(2), 117-154. doi:10.1111/deve.12354
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB
REMOTE SENSING (VIIRS NTL)

Pai, S. J., Heald, C. L., Coe, H., Brooks, J., Shephard, M. W., Dammers, E., . . . Tibrewal, K. (2022). Compositional Constraints are Vital for Atmospheric PM2.5 Source Attribution over India. *ACS Earth and Space Chemistry, 6*(10), 2432-2445. doi:10.1021/acsearthspacechem.2c00150
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (CALIOP Lidar)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (OMI NO2)
REMOTE SENSING (Cross-track Infrared Sounder (CrIS)
REMOTE SENSING (TROPOMI)

Pais, C., Gonzalez-Olabarria, J. R., Elimbi Moudio, P., Garcia-Gonzalo, J., González, M. C., & Shen, Z.-J. M. (2023). Global scale coupling of pyromes and fire regimes. *Communications Earth & Environment, 4*(1), 267. doi:10.1038/s43247-023-00881-8
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)

Pakhtigian, E. L., Aziz, S., Boyle, K., Akanda, A. S., & Hanifi, M. A. (2022). *Early Warning Systems, Mobile Technology, and Cholera Aversion: Evidence from Rural Bangladesh*. Retrieved from https://www.rff.org/publications/working-papers/early-warning-systems-mobile-technology-and-cholera-aversion-evidence-from-rural-bangladesh/
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
NASA REMOTE SENSING (TRMM)

Palacios-Lopez, D., Bachofer, F., Esch, T., Heldens, W., Hirner, A., Marconcini, M., . . . Reinartz, P. (2019). New perspectives for mapping global population distribution using world settlement footprint products. *Sustainability, 11*(21), 6056. doi:10.3390/su11216056
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
REMOTE SENSING (Sentinel-1 SAR)
REMOTE SENSING (Landsat 8)

Palacios-Lopez, D., Bachofer, F., Esch, T., Marconcini, M., MacManus, K., Sorichetta, A., . . . Reinartz, P. (2021). High-resolution gridded population datasets: Exploring the capabilities of the World Settlement Footprint 2019 imperviousness layer for the African continent. *Remote Sensing, 13*(6), 1142. doi:10.3390/rs13061142
Gridded Population of the World (GPW) v4 (documentation)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (Sentinel-1)

REMOTE SENSING (Sentinel-2)

Palacios-Lopez, D., Esch, T., MacManus, K., Marconcini, M., Sorichetta, A., Yetman, G., . . . Reinartz, P. (2022). Towards an improved large-scale gridded population dataset: A pan-European study on the integration of 3D settlement data into population modelling. *Remote Sensing, 14*(2), 325. doi:10.3390/rs14020325
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Paltan, H., Waliser, D., Lim, W. H., Guan, B., Yamazaki, D., Pant, R., & Dadson, S. (2017). Global floods and water availability driven by atmospheric rivers. *Geophysical Research Letters, 44*(20), 10387-10395. doi:10.1002/2017GL074882
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Paltsev, A., & Creed, I. F. (2022). Are northern lakes in relatively intact temperate forests showing signs of increasing phytoplankton biomass? *Ecosystems, 25*, 727-755. doi:10.1007/s10021-021-00684-y
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Landsat)

Pandey, A. C., Kaushik, K., & Parida, B. R. (2022). Google Earth Engine for large-scale flood mapping using SAR data and impact assessment on agriculture and population of Ganga-Brahmaputra Basin. *Sustainability, 14*(7), 4210. doi:10.3390/su14074210
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
REMOTE SENSING (Sentinel-1 SAR)

Panthi, S., Pariyar, S., & Low, M. (2021). Factors influencing the global distribution of the endangered Egyptian vulture. *Scientific Reports, 11*(1), 21901. doi:10.1038/s41598-021-01504-y
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (PALSAR-2)

Panthi, S., Wang, T., Sun, Y., & Thapa, A. (2019). An assessment of human impacts on endangered red pandas (*Ailurus fulgens*) living in the Himalaya. *Ecology and Evolution, 9*(23), 13413-13425. doi:10.1002/ece3.5797
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (ALOS)

Paprotny, D., Morales-Nápoles, O., & Jonkman, S. N. (2018). HANZE: a pan-European database of exposure to natural hazards and damaging historical floods since 1870. *Earth System Science Data, 10*(1), 565-581. doi:10.5194/essd-10-565-2018
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Pardini, C., & Anselmo, L. (2022). The Kinetic casualty risk of uncontrolled re-entries before and after the transition to small satellites and mega-constellations. *Journal of Space Safety Engineering, 9*(3), 414-426. doi:10.1016/j.jsse.2022.04.003
Gridded Population of the World (GPW) v4 (population density)

Parida, B. R., Bar, S., Roberts, G., Mandal, S. P., Chandra Pandey, A., Kumar, M., & Dash, J. (2021).

Improvement in air quality and its impact on land surface temperature in major urban areas across India during the first lockdown of the pandemic. *Environmental Research, 199*, 111280. doi:10.1016/j.envres.2021.111280

Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (CERES)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (TROPOMI)

Parihar, S. M., Pandey, V. K., Anshu, Shree, K., Moin, K., Ali, M. B., . . . Kamil, A. (2022). Land use dynamics and impact on regional climate post-Tehri Dam in the Bhilangana Basin, Garhwal Himalaya. *Sustainability, 14*(16), 10221. doi:10.3390/su141610221

Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (Landsat)

Park, H., Jeong, S., Park, H., Labzovskii, L. D., & Bowman, K. W. (2021). An assessment of emission characteristics of Northern Hemisphere cities using spaceborne observations of CO2, CO, and NO2. *Remote Sensing of Environment, 254*, 112246. doi:10.1016/j.rse.2020.112246

Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
NASA REMOTE SENSING (OCO-2)
REMOTE SENSING (TROPOMI)

Park, S., Im, J., Kim, J., & Kim, S. (2022). Geostationary satellite-derived ground-level particulate matter concentrations using real-time machine learning in Northeast Asia. *Environmental Pollution, 306*, 119425. doi:10.1016/j.envpol.2022.119425

Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (IMERG)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (GOCI)

Park, S., Lee, J., Im, J., Song, C.-K., Choi, M., Kim, J., . . . Quackenbush, L. J. (2020). Estimation of spatially continuous daytime particulate matter concentrations under all sky conditions through the synergistic use of satellite-based AOD and numerical models. *Science of The Total Environment, 713*, 136516. doi:10.1016/j.scitotenv.2020.136516

Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS - MCD12Q1)
NASA REMOTE SENSING (MODIS - MYD13A2)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (GOCI)

Parsons, A. W., Dawrs, S. N., Nelson, S. T., Norton, G. J., Virdi, R., Hasan, N. A., . . . D., S. J. (2022). Soil properties and moisture synergistically influence nontuberculous mycobacterial prevalence in natural environments of Hawai'i. *Applied and Environmental Microbiology, 88*(9), e00018-00022. doi:10.1128/aem.00018-22

Gridded Population of the World (GPW) v4.11 (admin unit center points)

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the National Academy of Sciences, 119(14), e2103400119. doi:10.1073/pnas.2103400119
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (ASTER GDEM)
REMOTE SENSING (DMSP-OLS)

Parsons, L. A., Jung, J., Masuda, Y. J., Vargas Zeppetello, L. R., Wolff, N. H., Kroeger, T., . . . Spector, J. T. (2021). Tropical deforestation accelerates local warming and loss of safe outdoor working hours. *One Earth, 4*(12), 1730-1740. doi:10.1016/j.oneear.2021.11.016
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)
NASA REMOTE SENSING (MODIS)

Parsons, L. A., Lo, F., Ward, A., Shindell, D., & Raman, S. R. (2023). Higher temperatures in socially vulnerable US communities increasingly limit safe use of electric fans for cooling. *GeoHealth, 7*(8), e2023GH000809. doi:10.1029/2023gh000809
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB
U.S. Census Grids (U.S. Social Vulnerability Index Grids, v1) - 10.7927/6s2a-9r49

Parsons, L. A., Masuda, Y. J., Kroeger, T., Shindell, D., Wolff, N. H., & Spector, J. T. (2022). Global labor loss due to humid heat exposure underestimated for outdoor workers. *Environmental Research Letters, 17*(1), 014050. doi:10.1088/1748-9326/ac3dae
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Parsons, L. A., Shindell, D., Tigchelaar, M., Zhang, Y., & Spector, J. T. (2021). Increased labor losses and decreased adaptation potential in a warmer world. *Nature Communications, 12*(1), 7286. doi:10.1038/s41467-021-27328-y
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Parsons, L. A., Shindell, D. T., Faluvegi, G., & Nagamoto, E. (2023). Geophysical uncertainties in air pollution exposure and benefits of emissions reductions for global health. *Earth's Future, 11*(9), e2023EF003839. doi:10.1029/2023EF003839
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB

Parsons, T., Ji, C., & Kirby, E. (2023). Evaluating a prospective fault-based stress-transfer forecast for the M 7.9 Wenchuan Earthquake Region, 15 years later. *The Seismic Record, 3*(3), 218-227. doi:10.1785/0320230021
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Partnership for Resilience and Preparedness (PREP). (2018). PREPdata. Retrieved from https://www.prepdata.org/
Energy Infrastructure (Population Exposure Estimates in Proximity to Nuclear Power Plants, Locations)
Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)
Land Use and Land Cover (LULC) (Global Grid of Probabilities of Urban Expansion to 2030, v1)
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Global Reservoir and Dam (GRanD) v1 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Satellite-Derived Environmental Indicators (Global Urban Heat Island (UHI) Data Set, v1)

Pasanen, T. P., White, M. P., Elliott, L. R., van den Bosch, M., Bratman, G. N., Ojala, A., . . . Fleming, L. E. (2023). Urban green space and mental health among people living alone: The mediating roles of relational and collective restoration in an 18-country sample. *Environmental Research, 232*, 116324. doi:10.1016/j.envres.2023.116324
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS - MOD13A3)

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Gridded Population of the World (GPW) v4.11 (population count)
Global High Resolution Urban Data from Landsat (GMIS)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (SPOT VGT)
REMOTE SENSING (TROPOMI)

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Gridded Population of the World (GPW) v4 (collection)

Paul, N., Yao, J., McLean, K. E., Stieb, D. M., & Henderson, S. B. (2022). The Canadian Optimized Statistical Smoke Exposure Model (CanOSSEM): A machine learning approach to estimate national daily fine particulate matter (PM2.5) exposure. *Science of The Total Environment, 850*, 157956. doi:10.1016/j.scitotenv.2022.157956
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
NASA REMOTE SENSING (MODIS)

Pease, B. S., Pacifici, K., Kays, R., & Reich, B. (2022). What drives spatially varying ecological relationships in a wide-ranging species? *Diversity and Distributions, 28*(9), 1752-1768. doi:10.1111/ddi.13594
Gridded Population of the World (GPW) v4.11 (population density)

Peng, J., Qiao, R., Liu, Y., Blaschke, T., Li, S., Wu, J., . . . Liu, Q. (2020). A wavelet coherence approach to prioritizing influencing factors of land surface temperature and associated research scales. *Remote Sensing of Environment, 246*, 111866. doi:10.1016/j.rse.2020.111866
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
REMOTE SENSING (Luojia 1-01)

Peng, L., Liu, F., Zhou, M., Li, M., Zhang, Q., & Mauzerall, D. L. (2021). Alternative-energy-vehicles deployment delivers climate, air quality, and health co-benefits when coupled with decarbonizing power generation in China. *One Earth, 4*(8), 1127-1140. doi:10.1016/j.oneear.2021.07.007
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Peng, Q., Yang, R., Cao, Y., Wang, F., Hou, S., Tseng, T.-H., . . . Locke, H. (2021). One-third of lands face high conflict risk between biodiversity conservation and human activities in China. *Journal of

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4.11 (admin unit center points)

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Gridded Population of the World (GPW) v4 (national identifier grid)
Population Dynamics (Global Estimated Net Migration Grids By Decade, v1)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

Perosa, F., Fanger, S., Zingraff-Hamed, A., & Disse, M. (2021). A meta-analysis of the value of ecosystem services of floodplains for the Danube River Basin. *Science of The Total Environment, 777*, 146062. doi:10.1016/j.scitotenv.2021.146062
Gridded Population of the World (GPW) v4.11 (population density)

Perović, V., Čakmak, D., Srbinović, O. S., Mrvić, V., Simić, S. B., Matić, M., . . . Pavlović, P. (2023). A conceptual modelling framework for assessment multiple soil degradation: A case study in the region of Šumadija and Western Serbia. *Ecological Indicators, 148*, 110096. doi:10.1016/j.ecolind.2023.110096
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Perović, V., Kadović, R., Đurđević, V., Pavlović, D., Pavlović, M., Čakmak, D., . . . Pavlović, P. (2021). Major drivers of land degradation risk in Western Serbia: Current trends and future scenarios. *Ecological Indicators, 123*, 107377. doi:10.1016/j.ecolind.2021.107377
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) - 10.7927/H4F47M2C

Petrie, H. E., Eide, C. H., Haflidason, H., & Watton, T. (2022). A conceptual geological model for offshore wind sites in former ice stream settings: The Utsira Nord site, North Sea. *Journal of the Geological Society, 179*(5), 1-23. doi:10.1144/jgs2021-163
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)

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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

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Gridded Population of the World (GPW) v4.11 (population count)

Pfeifer, S., Rechid, D., Reuter, M., Viktor, E., & Jacob, D. (2019). 1.5°, 2°, and 3° global warming:
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Gridded Population of the World (GPW) v4 (population density)

Pfeiffer, M. B., Blackwell, B. F., & DeVault, T. L. (2020). Collective effect of landfills and landscape
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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (SRTM)

Pham, T. D., Pham, V. H., Luu, Q. T., Ngo, X. T., Nguyen, T. N. T., & Bui, Q. H. (2019). Analyzing the
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Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS DNB)

Phelps, L. N., Andela, N., Gravey, M., Davis, D. S., Kull, C. A., Douglass, K., & Lehmann, C. E. R. (2022).
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Gridded Population of the World (GPW) v4.11 (documentation) - 10.7927/H45Q4T5F
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Sentinel-2)

Phuong, N. H., Nam, N. T., & Truyen, P. T. (2018). Development of a web-GIS based Decision Support
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Gridded Population of the World (GPW) v4 (documentation) - 10.7927/H4D50JX4

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Gridded Population of the World (GPW) v3 (population density)
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (Circum-Arctic map of permafrost and ground-ice conditions)
REMOTE SENSING (Landsat)

Piemontese, L., Castelli, G., Fetzer, I., Barron, J., Liniger, H., Harari, N., . . . Jaramillo, F. (2020). Estimating the global potential of water harvesting from successful case studies. *Global Environmental Change, 63*, 102121. doi:10.1016/j.gloenvcha.2020.102121
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - population density)

Pilko, A., Sóbester, A., Scanlan, J. P., & Ferraro, M. (2021). *Spatiotemporal ground risk mapping for uncrewed aerial systems operations*. Paper presented at the AIAA SCITECH 2022 Forum. https://doi.org/10.2514/6.2022-1915
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Pinichka, C., Issarapan, P., Siriwong, W., Kongtip, P., Chotpantarat, S., & Bundhamcharoen, K. (2019). Application of Geographic Information Systems and remote sensing for pesticide exposure and health risk assessment in Thailand. *Outbreak, Surveillance, Investigation and Response, 12*(3), 75-83. Retrieved from http://osirjournal.net/index.php/osir/article/view/147
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

Pittore, M., Wieland, M., & Fleming, K. (2017). Perspectives on global dynamic exposure modelling for geo-risk assessment. *Natural Hazards, 86*(Supplement 1), 7-30. doi:10.1007/s11069-016-2437-3
Gridded Population of the World (GPW) v3 (collection)
Gridded Population of the World (GPW) v4 (collection)

Plassin, S., Koch, J., Paladino, S., Friedman, J. R., Spencer, K., & Vaché, K. B. (2020). A socio-environmental geodatabase for integrative research in the transboundary Rio Grande/Río Bravo basin. *Scientific Data, 7*(1), 80. doi:10.1038/s41597-020-0410-1
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

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52(17), 9889-9898. doi:10.1021/acs.est.8b01679
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Pöhlker, C., Walter, D., Paulsen, H., Könemann, T., Rodríguez-Caballero, E., Moran-Zuloaga, D., . . .
    Andreae, M. O. (2019). Land cover and its transformation in the backward trajectory footprint
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Gridded Population of the World (GPW) v4.10 (population density)
Global Reservoir and Dam (GRanD) v1.01 (dams)
Global Reservoir and Dam (GRanD) v1.01 (reservoirs)
NASA REMOTE SENSING (ISLSCP-II)
NASA REMOTE SENSING (MODIS - MOD13Q1)
NASA REMOTE SENSING (SRTM)

Poon, E. K. W., Kitsios, V., Pilcher, D., Bellomo, R., & Raman, J. (2023). Projecting future climate impact
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    Circulation, 32*(1), 95-104. doi:10.1016/j.hlc.2022.12.001
Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS)

Porfiri, M., & Marín, M. R. (2020). An information-theoretic approach to study spatial dependencies in
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Gridded Population of the World (GPW) v4 (population count)

Porter, W. C., Jimenez, J. L., & Barsanti, K. C. (2021). Quantifying atmospheric parameter ranges for
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Gridded Population of the World (GPW) v4.11 (population density)

Powers, S. M., Chowdhury, R. B., MacDonald, G. K., Metson, G. S., Beusen, A. H. W., Bouwman, A. F., . . .
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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ

Pozzer, A., Anenberg, S. C., Dey, S., Haines, A., Lelieveld, J., & Chowdhury, S. (2023). Mortality
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Gridded Population of the World (GPW) v3 (collection)
Gridded Population of the World (GPW) v4 (collection)

Pozzer, A., Dominici, F., Haines, A., Witt, C., Münzel, T., & Lelieveld, J. (2020). Regional and global
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2247-2253. doi:10.1093/cvr/cvaa288
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Pradhan, P., Kriewald, S., Costa, L., Rybski, D., Benton, T., Fischer, G., & Kropp, J. P. (2020). Urban food
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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Pratson, L. F. (2023). Assessing impacts to maritime shipping from marine chokepoint closures.
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Gridded Population of the World (GPW) v4.11 (population density)

Pratzer, M., Fernández-Llamazares, Á., Meyfroidt, P., Krueger, T., Baumann, M., Garnett, S. T., &
Kuemmerle, T. (2023). Agricultural intensification, Indigenous stewardship and land sparing in
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Gridded Population of the World (GPW) v4.11 (population density)

Pricope, N. G., Daldegan, G. A., Zvoleff, A., Mwenda, K. M., Noon, M., & Lopez-Carr, D. (2023).
Operationalizing an integrative socio-ecological framework in support of global monitoring of
land degradation. *Land Degradation & Development, 34*(1), 109-124. doi:10.1002/ldr.4447
Anthropogenic Biomes of the World (collection)
Food Security (Food Insecurity Hotspots Data Set, v1)
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Satellite-Derived Environmental Indicators (Trends in Global Freshwater Availability from the Gravity
Recovery and Climate Experiment (GRACE), v1)
NASA REMOTE SENSING (AVHRR GIMMS)
NASA REMOTE SENSING (MODIS)

Pu, Q., & Yoo, E.-H. (2020). Spatio-temporal modeling of PM2.5 concentrations with missing data
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Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS - MOD13A3)
NASA REMOTE SENSING (SRTM)

Pu, Q., & Yoo, E.-H. (2021). Ground PM2.5 prediction using imputed MAIAC AOD with uncertainty
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Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)

Purnamasari, R., Wirapati, B. A., Alatas, H., & Nasiir, M. (2020). *Estimating Small Area Poverty and Welfare Indicators in Timor-Leste Using Satellite Imagery Data*. Retrieved from Washington DC: http://hdl.handle.net/10986/34614
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
NASA REMOTE SENSING (MODIS - MOD13Q1)
REMOTE SENSING (Landsat)
REMOTE SENSING (VIIRS DNB)

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NASA REMOTE SENSING (MODIS)

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Poverty Mapping (Global Subnational Infant Mortality Rates, v1)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)

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REMOTE SENSING (DMSP-OLS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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NASA REMOTE SENSING (OMI NO2)
REMOTE SENSING (SCIAMACHY)

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Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM
Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent) - 10.7927/H4Z31WKF
NASA (MEaSUREs Vegetation Index and Phenology (VIP))
REMOTE SENSING (Landsat)

Qiu, Y., Zhao, X., Fan, D., Li, S., & Zhao, Y. (2022). Disaggregating population data for assessing progress of SDGs: methods and applications. *International Journal of Digital Earth, 15*(1), 2-29. doi:10.1080/17538947.2021.2013553
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Gridded Population of the World (GPW) v4 (collection)

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NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-2 Multispectral Imager (MSI))

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Rader, B., Scarpino, S. V., Nande, A., Hill, A. L., Adlam, B., Reiner, R. C., . . . Kraemer, M. U. G. (2020). Crowding and the shape of COVID-19 epidemics. *Nature Medicine, 26*, 1829-1834. doi:10.1038/s41591-020-1104-0
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NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
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REMOTE SENSING (SPOT 5)

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Gridded Population of the World (GPW) v4 (documentation) - 10.7927/H4D50JX4

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NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (TRMM)

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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

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NASA REMOTE SENSING (MISR)

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Global Agricultural Lands (Pasture)
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
Last of the Wild v3 (Human Footprint, 2018 Release (2009)) - 10.7927/H46T0JQ4
Gridded Species Distribution (Amphibians 2015)
Gridded Species Distribution (Mammals 2015)

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Last of the Wild v3 (Human Footprint, 2018 Release (2009)) - 10.7927/H46T0JQ4

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Gridded Population of the World (GPW) v4 (land and water area) - 10.7927/H45M63M9
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
Poverty Mapping (Global Subnational Infant Mortality Rates, v2) - 10.7927/H4PN93JJ

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Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (NASADEM)
REMOTE SENSING (ALOS PALSAR)

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Anthropogenic Biomes of the World v2 (2000) - 10.7927/H4D798B9
Food Security (Food Insecurity Hotspots Data Set, v1) - 10.7927/cx02-2587
Gridded Population of the World (GPW) v3 (population count) - 10.7927/H4639MPP
Gridded Population of the World (GPW) v4.10 (basic demographic characteristics) - 10.7927/H45H7D7F
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
        10.7927/H4F47M65
Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent) - 10.7927/H4Z31WKF
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population and Land Area Estimates, v2) -
        10.7927/H4MW2F2J
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population and Land Area Estimates, v3) -
        10.7927/d1x1-d702
Population Dynamics (Global One-Eighth Degree Population Projection Grids for the SSPs, v1) -
        10.7927/H4RF5S0P
Population Estimation Service v3 - 10.7927/H4DR2SK5
Poverty Mapping (Global Subnational Infant Mortality Rates, v2) - 10.7927/H4PN93JJ

Rigaud, K. K., de Sherbinin, A., Jones, B., Adamo, S., Maleki, D., Arora, A., . . . Mills, B. (2021).
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Anthropogenic Biomes of the World v2 (2000) - 10.7927/H4D798B9
Food Security (Food Insecurity Hotspots Data Set, v1) - 10.7927/cx02-2587
Gridded Population of the World (GPW) v3 (population count) - 10.7927/H4639MPP
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
        10.7927/H4F47M65
Poverty Mapping (Global Subnational Infant Mortality Rates, v2) - 10.7927/H4PN93JJ

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Gridded Population of the World (GPW) v3 (population count) - 10.7927/H4639MPP
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population and Land Area Estimates, v2) -
        10.7927/H4MW2F2J

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Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) -
        10.7927/H4JQ0XZW

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Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4.11 (population count)
Population Dynamics (Global 1-km Downscaled Population Projection Grids for the SSPs, v1) -
        10.7927/q7z9-9r69

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

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NASA REMOTE SENSING (MODIS)

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Low Elevation Coastal Zone (LECZ) (Urban-Rural Population and Land Area Estimates, v3) - 10.7927/d1x1-d702
NASA REMOTE SENSING (GRACE)

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Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (Black Marble -VIIRS)
REMOTE SENSING (Landsat 8)
REMOTE SENSING (Sentinel-2)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

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NASA REMOTE SENSING (FIRMS)

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Gridded Population of the World (GPW) v4 (documentation) - 10.7927/H4D50JX4
Gridded Population of the World (GPW) v4 (population count)
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
Global High Resolution Urban Data from Landsat (HBASE) - 10.7927/H4DN434S

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Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (VIIRS NTL)

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Gridded Population of the World (GPW) v4 (collection)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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GRAND v1 (collection)
NASA REMOTE SENSING (MODIS - MOD17A3)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4 (documentation) - 10.7927/H45Q4T5F
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-2)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Population Dynamics (Global One-Eighth Degree Population Base Year and Projection Grids Based on the SSPs, v1.01) - 10.7927/m30p-j498

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Gridded Population of the World (GPW) v4 (unspecified)
Last of the Wild v2 (Global Human Footprint (Geographic))

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Gridded Population of the World (GPW) v4.11 (population density)

Sachit, M. S., Shafri, H. Z. M., Abdullah, A. F., Rafie, A. S. M., & Gibril, M. B. A. (2022). Global spatial suitability mapping of wind and solar systems using an explainable AI-based approach. *ISPRS International Journal of Geo-Information, 11*(8), 422. doi:10.3390/ijgi11080422

Gridded Population of the World (GPW) v4.11 (population density)

NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4 (population count)
Gridded Population of the World (GPW) v4 (population density)

Sacks, J. D., Lloyd, J. M., Zhu, Y., Anderton, J., Jang, C. J., Hubbell, B., & Fann, N. (2018). The Environmental Benefits Mapping and Analysis Program – Community Edition (BenMAP–CE): A tool to estimate the health and economic benefits of reducing air pollution. *Environmental Modelling & Software, 104*, 118-129. doi:10.1016/j.envsoft.2018.02.009
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Saeed, W., Haqiqi, I., Kong, Q., Huber, M., Buzan, J. R., Chonabayashi, S., . . . Hertel, T. W. (2022). The poverty impacts of labor heat stress in West Africa under a warming climate. *Earth's Future, 10*(11), e2022EF002777. doi:10.1029/2022EF002777
Gridded Population of the World (GPW) v4.11 (admin unit center points)

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Gridded Population of the World (GPW) v4 (population count)

Sahu, S. K., Liu, S., Liu, S., Ding, D., & Xing, J. (2021). Ozone pollution in China: Background and transboundary contributions to ozone concentration & related health effects across the country. *Science of The Total Environment, 761*, 144131. doi:10.1016/j.scitotenv.2020.144131
Gridded Population of the World (GPW) v4 (unspecified)

Saikawa, E., Wu, Q., Zhong, M., Avramov, A., Ram, K., Stone, E. A., . . . Yokelson, R. (2020). Garbage burning in South Asia - How important is it to regional air quality? *Environmental Science & Technology, 54*(16), 9928-9938. doi:10.1021/acs.est.0c02830
Gridded Population of the World (GPW) v4.11 (population count)

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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) - 10.7927/H4F47M2C

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.11 (population count)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

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fishes in the Western Indian Ocean. *Ecology and Evolution, 9*(7), 4149-4167.
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Gridded Population of the World (GPW) v4 (population density)

Sampedro, J., Cui, R. Y., McJeon, H., Smith, S. J., Hultman, N., He, L., . . . Cazcarro, I. (2021). Quantifying
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Climate Change, 2*, 100023. doi:10.1016/j.egycc.2020.100023
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)

Samy, A. M., Alkishe, A. A., Thomas, S., Wang, L., & Zhang, W. (2018). Mapping the potential
distributions of etiological agent, vectors, and reservoirs of Japanese Encephalitis in Asia and
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Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

Sannigrahi, S., Kumar, P., Molter, A., Zhang, Q., Basu, B., Basu, A. S., & Pilla, F. (2021). Examining the
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Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (TROPOMI)

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Gridded Population of the World (GPW) v4 (population count)

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (CALIOP Lidar)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (OMI)
NASA REMOTE SENSING (SRTM)

Sarkar, S., Mukherjee, A., Chakraborty, M., Quamar, M. T., Duttagupta, S., & Bhattacharya, A. (2023). Prediction of elevated groundwater fluoride across India using multi-model approach: insights on the influence of geologic and environmental factors. *Environmental Science and Pollution Research, 30*, 31998-32013. doi:10.1007/s11356-022-24328-3
Gridded Population of the World (GPW) v4.11 (population count)

Sarkar, S., Mukherjee, A., Gupta, S. D., Bhanja, S. N., & Bhattacharya, A. (2022). Predicting regional-scale elevated groundwater nitrate contamination risk using machine learning on natural and human-induced factors. *ACS ES&T Engineering, 2*(4), 689-702. doi:10.1021/acsestengg.1c00360
Gridded Population of the World (GPW) v4.10 (population count)

Sarmah, S., Singha, M., Wang, J., Dong, J., Deb Burman, P. K., Goswami, S., . . . Niu, S. (2021). Mismatches between vegetation greening and primary productivity trends in South Asia – A satellite evidence. *International Journal of Applied Earth Observation and Geoinformation, 104*, 102561. doi:10.1016/j.jag.2021.102561
Gridded Population of the World (GPW) v4.11 (population count)
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (GRACE)
NASA REMOTE SENSING (MODIS)

Sartorius, B., Cano, J., Simpson, H., Tusting, L. S., Marczak, L. B., Miller-Petrie, M. K., . . . Pullan, R. L. (2021). Prevalence and intensity of soil-transmitted helminth infections of children in sub-Saharan Africa, 2000–18: a geospatial analysis. *The Lancet Global Health, 9*(1), e52-e60. doi:10.1016/S2214-109X(20)30398-3
Gridded Population of the World (GPW) v4.11 (population count)

Sarzotti, E., Pignocchino, G., Pezzoli, A., & Besana, A. (2023). NO2 Concentrations and COVID-19 in Local Systems of Northwest Italy. In G. Brunetta, P. Lombardi, & A. Voghera (Eds.), *Post Un-Lock: From Territorial Vulnerabilities to Local Resilience* (pp. 83-98). Cham: Springer International Publishing.
Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (Sentinel-5P)

Sasikumar, K., Nath, D., Nath, R., & Chen, W. (2020). Impact of extreme hot climate on COVID-19 outbreak in India. *GeoHealth, 4*(12), e2020GH000305. doi:10.1029/2020GH000305
Gridded Population of the World (GPW) v4.11 (population density map)
Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) with GWR, v1)

Saunders, J. K., Aagaard, B. T., Baltay, A. S., & Minson, S. E. (2020). Optimizing earthquake early warning alert distance strategies using the July 2019 M_w 6.4 and M_w 7.1 Ridgecrest, California, earthquakes. *Bulletin of the Seismological Society of America, 110*(4), 1872-1886. doi:10.1785/0120200022

Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Saunders, J. K., Minson, S. E., & Baltay, A. S. (2022). How low should we alert? Quantifying intensity threshold alerting strategies for earthquake early warning in the United States. *Earth's Future, 10*(3), e2021EF002515. doi:10.1029/2021EF002515

Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Say, D., Kuyper, B., Western, L., Khan, M. A. H., Lesch, T., Labuschagne, C., . . . Shallcross, D. (2020). Emissions and marine boundary layer concentrations of unregulated chlorocarbons measured at Cape Point, South Africa. *Environmental Science & Technology, 54*(17), 10514-10523. doi:10.1021/acs.est.0c02057

Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (DMSP-OLS)

Scarpelli, T. R., Jacob, D. J., Grossman, S., Lu, X., Qu, Z., Sulprizio, M. P., . . . Gordon, D. (2022). Updated Global Fuel Exploitation Inventory (GFEI) for methane emissions from the oil, gas, and coal sectors: evaluation with inversions of atmospheric methane observations. *Atmospheric Chemistry and Physics, 22*, 3235-3249. doi:10.5194/acp-22-3235-2022

Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4F47M65

Scarpelli, T. R., Jacob, D. J., Maasakkers, J. D., Sulprizio, M. P., Sheng, J.-X., Rose, K., . . . Janssens-Maenhout, G. (2020). A global gridded (0.1° x 0.1°) inventory of methane emissions from oil, gas, and coal exploitation based on national reports to the United Nations Framework Convention on Climate Change. *Earth System Science Data, 12*, 563-575. doi:10.5194/essd-12-563-2020

Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) - 10.7927/H4JQ0XZW

Schar, D., Zhao, C., Wang, Y., Larsson, D. G. J., Gilbert, M., & Van Boeckel, T. P. (2021). Twenty-year trends in antimicrobial resistance from aquaculture and fisheries in Asia. *Nature Communications, 12*(1), 5384. doi:10.1038/s41467-021-25655-8

Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Scherer, L., & Pfister, S. (2016). Dealing with uncertainty in water scarcity footprints. *Environmental Research Letters, 11*(5), 9 pp. doi:10.1088/1748-9326/11/5/054008

Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Scherer, L. A., Verburg, P. H., & Schulp, C. J. E. (2018). Opportunities for sustainable intensification in European agriculture. *Global Environmental Change, 48*, 43-55. doi:10.1016/j.gloenvcha.2017.11.009

Gridded Population of the World (GPW) v4 (population count)

Schild, J. E. M., Vermaat, J. E., de Groot, R. S., Quatrini, S., & van Bodegom, P. M. (2018). A global

meta-analysis on the monetary valuation of dryland ecosystem services: The role of socio-economic, environmental and methodological indicators. *Ecosystem Services, 32*, 78-89. doi:10.1016/j.ecoser.2018.06.004
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4D50JX4

Schiller, G., & Roscher, J. (2023). Impact of urbanization on construction material consumption: A global analysis. *Journal of Industrial Ecology, 27*(3), 1021-1036. doi:10.1111/jiec.13392
Gridded Population of the World (GPW) v4.10 (documentation)

Schlosser, C. A., Frankenfeld, C., Eastham, S. D., Gao, X., Gurgel, A., McCluskey, A., . . . Reilly, J. (2022). *Assessing Compounding Risks Across Multiple Systems and Sectors: A Socio-Environmental Systems Risk-Triage Approach*. Retrieved from Cambridge, MA: https://globalchange.mit.edu/publication/17873
Air Quality Data for Health-Related Applications (Daily and Annual PM2.5 Concentrations for the Contiguous United States, 1-km Grids, v1) - 10.7927/0rvr-4538
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
Gridded Population of the World (GPW) v4.11 (land and water area)
NASA REMOTE SENSING (Worldview)

Schmidt, C., Kumar, R., Yang, S., & Büttner, O. (2020). Microplastic particle emission from wastewater treatment plant effluents into river networks in Germany: Loads, spatial patterns of concentrations and potential toxicity. *Science of The Total Environment, 737*, 139544. doi:10.1016/j.scitotenv.2020.139544
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)

Schmidt, E., Dorosh, P. A., Kedir Jemal, M., & Smart, J. (2020). Urbanization and structural transformation. In P. A. Dorosh & B. Minten (Eds.), *Ethiopia's Agrifood System: Past Trends, Present Challenges, and Future Scenarios* (pp. 379-422). Washington DC: International Food Policy Research Institute (IFRPI).
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Schrodt, F., de la Barreda Bautista, B., Williams, C., Boyd, D. S., Schaepman-Strub, G., & Santos, M. J. (2020). Integrating Biodiversity, Remote Sensing, and Auxiliary Information for the Study of Ecosystem Functioning and Conservation at Large Spatial Scales. In J. Cavender-Bares, J. A. Gamon, & P. A. Townsend (Eds.), *Remote Sensing of Plant Biodiversity* (pp. 449-484). Cham: Springer International Publishing.
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
REMOTE SENSING (many)

Schug, F., Frantz, D., Okujeni, A., van der Linden, S., & Hostert, P. (2020). Mapping urban-rural gradients of settlements and vegetation at national scale using Sentinel-2 spectral-temporal metrics and regression-based unmixing with synthetic training data. *Remote Sensing of Environment, 246*, 111810. doi:10.1016/j.rse.2020.111810
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted)
REMOTE SENSING (Sentinel-2 Multispectral Imager (MSI))

Schug, F., Frantz, D., van der Linden, S., & Hostert, P. (2021). Gridded population mapping for Germany based on building density, height and type from Earth Observation data using census disaggregation and bottom-up estimates. *PLoS ONE, 16*(3), e0249044. doi:10.1371/journal.pone.0249044
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (Sentinel-1)
REMOTE SENSING (Sentinel-2)

Schultes, A., Piontek, F., Soergel, B., Rogelj, J., Baumstark, L., Kriegler, E., . . . Luderer, G. (2020). *Economic damages from on-going climate change imply deeper near-term emission cuts*. Retrieved from https://mpra.ub.uni-muenchen.de/id/eprint/103655
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

Schutte, S., Vestby, J., Carling, J., & Buhaug, H. (2021). Climatic conditions are weak predictors of asylum migration. *Nature Communications, 12*(1), 2067. doi:10.1038/s41467-021-22255-4
Gridded Population of the World (GPW) v4 (population density)

Schuyler, Q., Roman, L., Lawson, T. J., & Hardesty, B. D. (2023). Modelling the relative risk of plastic pollution to wildlife when data are scarce: an applied approach in the Mekong and Ganges river basins. *Environmental Research Letters, 18*(7), 074019. doi:10.1088/1748-9326/acdca7
Gridded Population of the World (GPW) v4.11 (population density)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
REMOTE SENSING (VIIRS NTL)

Schwarz, M., Landmann, T., Cornish, N., Wetzel, K.-F., Siebert, S., & Franke, J. (2020). A spatially transferable drought hazard and drought risk modeling approach based on remote sensing data. *Remote Sensing, 12*(2), 237. doi:10.3390/rs12020237
Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (MODIS)

Schwenk, J., Zussman, T., Stachelek, J., & Rowland, J. C. (2022). rabpro: global watershed boundaries, river elevation profiles, and catchment statistics. *The Journal of Open Source Software, 7*(73), 4237. doi:10.21105/joss.04237
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)

Scoccimarro, E., Cattaneo, O., Gualdi, S., Mattion, F., Bizeul, A., Risquez, A. M., & Quadrelli, R. (2023). Country-level energy demand for cooling has increased over the past two decades. *Communications Earth & Environment, 4*(1), 208. doi:10.1038/s43247-023-00878-3
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Seekell, D. A., Lapierre, J. F., & Cheruvelil, K. S. (2018). A geography of lake carbon cycling. *Limnology and Oceanography Letters, 3*(3), 49-56. doi:10.1002/lol2.10078
Global Agricultural Inputs (phosphorous fertilizer application) - 10.7927/H4FQ9TJR
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
Human Appropriation of Net Primary Productivity (HANPP) (Global Patterns in Net Primary Productivity, v1) - 10.7927/H40Z715X

Seiler, J., Harttgen, K., Kneib, T., & Lang, S. (2021). Modelling children's anthropometric status using Bayesian distributional regression merging socio-economic and remote sensed data from South Asia and Sub-Saharan Africa. *Economics & Human Biology, 40*, 100950. doi:10.1016/j.ehb.2020.100950
Gridded Population of the World (GPW) v3 (population density) - 10.7927/H4XK8CG2
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Selby, R., Wamboga, C., Erphas, O., Mugenyi, A., Jamonneau, V., Waiswa, C., . . . Lehane, M. (2019). Gambian human African trypanosomiasis in North West Uganda. Are we on course for the 2020 target? *PLoS Neglected Tropical Diseases, 13*(8), e0007550. doi:10.1371/journal.pntd.0007550
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) - 10.7927/H4F47M2C

Sellers, S., Ebi, K. L., & Hess, J. (2019). Climate change, human health, and social stability: Addressing interlinkages. *Environmental Health Perspectives, 127*(4), 045002. doi:10.1289/EHP4534
Gridded Population of the World (GPW) v4 (population density)

Sha, Z., Bai, Y., Li, R., Lan, H., Zhang, X., Li, J., . . . Xie, Y. (2022). The global carbon sink potential of terrestrial vegetation can be increased substantially by optimal land management. *Communications Earth & Environment, 3*(1), 8. doi:10.1038/s43247-021-00333-1
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB

Shaad, K. (2018). Evolution of river-routing schemes in macro-scale models and their potential for watershed management. *Hydrological Sciences Journal, 63*(7), 1062-1077. doi:10.1080/02626667.2018.1473871
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H46T0JKB

Shaddick, G., Thomas, M. L., Amini, H., Broday, D., Cohen, A., Frostad, J., . . . Brauer, M. (2018). Data integration for the assessment of population exposure to ambient air pollution for global burden of disease assessment. *Environmental Science & Technology, 52*(16), 9069-9078. doi:10.1021/acs.est.8b02864
Gridded Population of the World (GPW) v4 (population count)

Shaddick, G., Thomas, M. L., Green, A., Brauer, M., van Donkelaar, A., Burnett, R., . . . Prüss-Ustün, A. (2018). Data integration model for air quality: a hierarchical approach to the global estimation of exposures to ambient air pollution. *Journal of the Royal Statistical Society: Series C (Applied Statistics), 67*(1), 231-253. doi:10.1111/rssc.12227
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)

Shaddick, G., Thomas, M. L., Mudu, P., Ruggeri, G., & Gumy, S. (2020). Half the world's population are exposed to increasing air pollution. *npj Climate and Atmospheric Science, 3*(1), 23. doi:10.1038/s41612-020-0124-2
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Shah, H. A., Carrasco, L. R., Hamlet, A., & Murray, K. A. (2022). Exploring agricultural land-use and childhood malaria associations in sub-Saharan Africa. *Scientific Reports, 12*(1), 4124. doi:10.1038/s41598-022-07837-6
Gridded Population of the World (GPW) v4.11 (population density)

Shah, R. F., Zhang, S., Li, K., Baker, L., Sox-Harris, A., & Kamal, R. N. (2020). Physical and occupational therapy use and cost after common hand procedures. *The Journal of Hand Surgery, 45*(4), 289-297.e281. doi:10.1016/j.jhsa.2019.09.008
Gridded Population of the World (GPW) v4 (population density) map

Shahab, A., Bohnett, E., Ahmad, B., Rashid, A., Hayat, M., & Alam, N. (2023). Ecological impact assessment of dam construction: A case study of Diamer Basha Dam Gilgit-Baltistan, Pakistan. *River Research and Applications, 39*(6), 1160-1172. doi:10.1002/rra.4131
Gridded Population of the World (GPW) v4.11 (population density map)

Shahrokhi, N., Rayner, P. J., Silver, J. D., & Thomas, S. (2023). Urban-scale variational flux inversion for CO Using TROPOMI total-column retrievals: A case study of Tehran. *Atmospheric Environment, 311*, 120009. doi:10.1016/j.atmosenv.2023.120009
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
REMOTE SENSING (TROPOMI)

Shahrokhishahraki, N., Rayner, P. J., Silver, J. D., Thomas, S., & Schofield, R. (2022). High-resolution modeling of gaseous air pollutants over Tehran and validation with surface and satellite data. *Atmospheric Environment, 270*, 118881. doi:10.1016/j.atmosenv.2021.118881
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
REMOTE SENSING (TROPOMI)

Shana, S. S., Sreenath, K. R., Sumithra, T. G., Krishnaveny, S. M. S., Joshi, K. K., Nameer, P. O., & Gopalakrishnan, A. (2023). A global-scale ecological niche modeling of the emerging pathogen *Serratia marcescens* to aid in its spatial ecology. *Current Microbiology, 80*(2), 59. doi:10.1007/s00284-022-03159-y
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
Millennium Ecosystem Assessment (MA) (Rapid Land Cover Change, v1) - 10.7927/H4G44N76

Shankar Acharya, K. (2020). *Modelling and Assessing Linkages Between Urban Growth and Road Network for Southeast Asian Cities.* (Ph.D.). Nanyang Technological University, Singapore. Retrieved from https://hdl.handle.net/10356/140554
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

Sharma, B. M., Melymuk, L., Bharat, G. K., Přibylová, P., Sáňka, O., Klánová, J., & Nizzetto, L. (2018). Spatial gradients of polycyclic aromatic hydrocarbons (PAHs) in air, atmospheric deposition, and surface water of the Ganges River basin. *Science of The Total Environment, 627*, 1495-1504. doi:10.1016/j.scitotenv.2018.01.262
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Sharma, E., Molden, D., Rahman, A., Khatiwada, Y. R., Zhang, L., Singh, S. P., . . . Wester, P. (2019). Introduction to the Hindu Kush Himalaya Assessment. In P. Wester, A. Mishra, A. Mukherji, & A. B. Shrestha (Eds.), *The Hindu Kush Himalaya Assessment: Mountains, Climate Change, Sustainability and People* (pp. 1-16). Cham: Springer International Publishing.
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Sharma, G., Sinha, B., Pallavi, Hakkim, H., Chandra, B. P., Kumar, A., & Sinha, V. (2019). Gridded emissions of CO, NOx, SO2, CO2, NH3, HCl, CH4, PM2.5, PM10, BC and NMVOC from open municipal waste burning in India. *Environmental Science & Technology, 53*(9), 4765-4774. doi:10.1021/acs.est.8b07076
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

Sharma, P., Thapa, R. B., & Matin, M. A. (2020). Examining forest cover change and deforestation drivers in Taunggyi District, Shan State, Myanmar. *Environment, Development and Sustainability, 22*, 5521-5538. doi:10.1007/s10668-019-00436-y
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ

Sharma, S., Blagrave, K., Magnuson, J. J., O'Reilly, C. M., Oliver, S., Batt, R. D., . . . Woolway, R. I. (2019). Widespread loss of lake ice around the Northern Hemisphere in a warming world. *Nature Climate Change, 9*, 227-231. doi:10.1038/s41558-018-0393-5
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) - 10.7927/H4JQ0XZW
NASA REMOTE SENSING (Distance to the Nearest Coast - https://oceancolor.gsfc.nasa.gov/docs/distfromcoast/)

Shashaani, S., Guikema, S. D., Zhai, C., Pino, J. V., & Quiring, S. M. (2018). Multi-stage prediction for zero-inflated hurricane induced power outages. *IEEE Access, 6*, 62432-62449. doi:10.1109/ACCESS.2018.2877078
Gridded Population of the World (GPW) v4 (population density)

Shearer, F. M., Huang, Z., Weiss, D. J., Wiebe, A., Gibson, H. S., Battle, K. E., . . . Moyes, C. L. (2016). Estimating geographical variation in the risk of zoonotic *Plasmodium knowlesi* infection in countries eliminating malaria. *PLoS Neglected Tropical Diseases, 10*(8), e0004915. doi:10.1371/journal.pntd.0004915
Gridded Population of the World (GPW) v4 (collection)

Shearer, F. M., Longbottom, J., Browne, A. J., Pigott, D. M., Brady, O. J., Kraemer, M. U. G., . . . Golding, N. (2018). Existing and potential infection risk zones of yellow fever worldwide: a modelling analysis. *The Lancet Global Health, 6*(3), e270-e278. doi:10.1016/S2214-109X(18)30024-X
Gridded Population of the World (GPW) v4 (population count)

Shekar, P. R., & Mathew, A. (2023). Integrated assessment of groundwater potential zones and artificial recharge sites using GIS and Fuzzy-AHP: A case study in Peddavagu watershed, India. *Environmental Monitoring and Assessment, 195*(7), 906. doi:10.1007/s10661-023-11474-5
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (SRTM)

Shen, F., Yang, L., He, X., Zhou, C., & Adams, J. M. (2020). Understanding the spatial–temporal variation of human footprint in Jiangsu Province, China, its anthropogenic and natural drivers and potential implications. *Scientific Reports, 10*(1), 13316. doi:10.1038/s41598-020-70088-w
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (DMSP-OLS)

Shen, H., Jiang, Y., Li, T., Cheng, Q., Zeng, C., & Zhang, L. (2020). Deep learning-based air temperature mapping by fusing remote sensing, station, simulation and socioeconomic data. *Remote Sensing of Environment, 240*, 111692. doi:10.1016/j.rse.2020.111692
Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (MODIS - MOD11A1)
NASA REMOTE SENSING (MODIS - MOD13A2)
NASA REMOTE SENSING (MODIS - MCD12Q1)

Shen, X., Cai, C., & Li, H. (2020). Socioeconomic restrictions slowdown COVID-19 far more effectively than favorable weather-evidence from the satellite. *Science of The Total Environment, 748*, 141401. doi:10.1016/j.scitotenv.2020.141401
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (TROPOMI)

Shen, X., Liu, M., Hanson, J. O., Wang, J., Locke, H., Watson, J. E. M., . . . Ma, K. (2023). Countries' differentiated responsibilities to fulfill area-based conservation targets of the Kunming-Montreal Global Biodiversity Framework. *One Earth, 6*(5), 548-559. doi:10.1016/j.oneear.2023.04.007
Gridded Population of the World (GPW) v4.11 (national identifier grid)

Shen, Y., Chen, W., & Liu, J. (2022). *Joint placement of gateways and controllers in SDN-Enabled Space-Ground Integration Network*. Paper presented at the Proceedings of the Asia Conference on Electrical, Power and Computer Engineering, Shanghai, China. https://doi.org/10.1145/3529299.3531486
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Shen, Y., Nielsen, K., Revel, M., Liu, D., & Yamazaki, D. (2023). Res-CN (Reservoir dataset in China): hydrometeorological time series and landscape attributes across 3254 Chinese reservoirs. *Earth System Science Data, 15*(7), 2781-2808. doi:10.5194/essd-15-2781-2023
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel)

Sheng, J.-X., Jacob, D. J., Maasakkers, J. D., Sulprizio, M. P., Zavala-Araiza, D., & Hamburg, S. P. (2017). A high-resolution (0.1° × 0.1°) inventory of methane emissions from Canadian and Mexican oil and gas systems. *Atmospheric Environment, 158*, 211-215. doi:10.1016/j.atmosenv.2017.02.036
Gridded Population of the World (GPW) v4 (population density)

Sherman, L., Proctor, J., Druckenmiller, H., Tapia, H., & Hsiang, S. M. (2023). *Global High-Resolution Estimates of the United Nations Human Development Index Using Satellite Imagery and Machine-learning*. Retrieved from https://doi.org/10.3386/w31044

Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
REMOTE SENSING (DMSP-OLS)

Shevade, V. S., & Loboda, T. V. (2019). Oil palm plantations in Peninsular Malaysia: Determinants and constraints on expansion. *PLoS ONE, 14*(2), e0210628. doi:10.1371/journal.pone.0210628
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

Shi, Y., Matsunaga, T., Yamaguchi, Y., Li, Z., Gu, X., & Chen, X. (2018). Long-term trends and spatial patterns of satellite-retrieved $PM_{2.5}$ concentrations in South and Southeast Asia from 1999 to 2014. *Science of The Total Environment, 615*(Supplement C), 177-186. doi:10.1016/j.scitotenv.2017.09.241
Gridded Population of the World (GPW) v4 (population count)

Shi, Y., Zhao, A., Matsunaga, T., Yamaguchi, Y., Zang, S., Li, Z., . . . Gu, X. (2018). Underlying causes of PM2.5-induced premature mortality and potential health benefits of air pollution control in South and Southeast Asia from 1999 to 2014. *Environment International, 121*, 814-823. doi:10.1016/j.envint.2018.10.019
Gridded Population of the World (GPW) v4 (population density)

Shi, Y., Zhao, Y., Li, H., Liu, H., Wang, L., Liu, J., . . . Han, C. (2023). Association between exposure to ambient PM2.5 and the health status in the mobile population from 338 cities in China. *Environmental Science and Pollution Research, 30*, 63716–63726. doi:10.1007/s11356-023-26453-z
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

Shi, Y., Zhu, Y., Gong, S., Pan, J., Zang, S., Wang, W., . . . Bai, Y. (2022). PM2.5-related premature deaths and potential health benefits of controlled air quality in 34 provincial cities of China during 2001–2017. *Environmental Impact Assessment Review, 97*, 106883. doi:10.1016/j.eiar.2022.106883
Gridded Population of the World (GPW) v4.11 (population count)

Shield, S. A., Quiring, S. M., Pino, J. V., & Buckstaff, K. (2021). Major impacts of weather events on the electrical power delivery system in the United States. *Energy, 218*, 119434. doi:10.1016/j.energy.2020.119434
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

Shiogama, H., Fujimori, S., Hasegawa, T., Takahashi, K., Kameyama, Y., & Emori, S. (2021). How many hot days and heavy precipitation days will grandchildren experience that break the records set in their grandparents' lives? *Environmental Research Communications, 3*(6), 061002. doi:10.1088/2515-7620/ac0395
Gridded Population of the World (GPW) v4.11 (population count)

Shisong, C., Wenji, Z., Hongliang, G., Deyong, H., You, M., Wenhui, Z., & Shanshan, L. (2018). Comparison

of remotely sensed PM2.5 concentrations between developed and developing countries: results from the US, Europe, China, and India. *Journal of Cleaner Production, 182*, 672-681. doi:10.1016/j.jclepro.2018.02.096
Gridded Population of the World (GPW) v4 (population count)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)

Shoji, Y., Fuke, H., Hamada, K., Iijima, I., Ikeda, C., Izutsu, N., . . . Yoshida, T. (2017). Marine search-and-recovery operation of scientific balloons in Japan. *Journal of Astronomical Instrumentation, 6*(2), 13 pp. doi:10.1142/S2251171717400050
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (VIIRS)

Shrestha, N., Tiwari, A., & Paudel, P. K. (2021). Assessing conservation priorities of endemic seed plants in the central Himalaya (Nepal): A complementarity and phylogenetic diversity approach. *Biological Conservation, 261*, 109274. doi:10.1016/j.biocon.2021.109274
Gridded Population of the World (GPW) v4.11 (population density)

Shrestha, S., Thapa, A., Bista, D., Robinson, N., Sherpa, A. P., Acharya, K. P., . . . Lama, S. (2021). Distribution and habitat attributes associated with the Himalayan red panda in the westernmost distribution range. *Ecology and Evolution, 11*(9), 4023-4034. doi:10.1002/ece3.7297
Gridded Population of the World (GPW) v4.11 (population count)
Last of the Wild v2 (Global Human Footprint (Geographic))

Shyamsundar, P., Cohen, F., Boucher, T. M., Kroeger, T., Erbaugh, J. T., Waterfield, G., . . . Zhang, X. X.

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Silva, R. C. G., Gronwall, J., van der Kwast, J., Danert, K., & Foppen, J. W. (2020). Estimating domestic self-supply groundwater use in urban continental Africa. *Environmental Research Letters, 15*(10), 1040b1042. doi:10.1088/1748-9326/ab9af9
Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM
Global High Resolution Urban Data from Landsat (HBASE) - 10.7927/H4DN434S

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted) - 10.7927/H4HX19NJ

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Gridded Population of the World (GPW) v4.11 (population density)

Singh, A., Raju, A., Chandniha, S. K., Singh, L., Tyagi, I., Karri, R. R., & Kumar, A. (2023). Hydrogeochemical characterization of groundwater and their associated potential health risks. *Environmental Science and Pollution Research, 30*, 14993-15008. doi:10.1007/s11356-022-23222-2
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Singh, M., Sood, S., & Collins, C. M. (2022). Fire dynamics of the Bolivian Amazon. *Land, 11*(9), 1436. doi:10.3390/land11091436
Gridded Population of the World (GPW) v4 (population count)
Land Use and Land Cover (LULC) (Global Human Modification of Terrestrial Systems, v1)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Singha, C., & Swain, K. C. (2021). *Spatial analyses of Cyclone Amphan induced flood inundation mapping using Sentinel-1A SAR images through GEE Cloud.* Paper presented at the Computer Vision and Robotics 2021, Singapore.
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (SMAP)
REMOTE SENSING (Sentinel-1 SAR)
REMOTE SENSING (VIIRS)

Singha, M., Dong, J., Ge, Q., Metternicht, G., Sarmah, S., Zhang, G., . . . Xiao, X. (2021). Satellite evidence on the trade-offs of the food-water–air quality nexus over the breadbasket of India. *Global Environmental Change, 71*, 102394. doi:10.1016/j.gloenvcha.2021.102394
Gridded Population of the World (GPW) v4 (population count)
Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) with GWR, v1)
NASA REMOTE SENSING (GRACE)

NASA REMOTE SENSING (MODIS - MOD09A1)

Sinha, P., Gaughan, A. E., Stevens, F. R., Nieves, J. J., Sorichetta, A., & Tatem, A. J. (2019). Assessing the spatial sensitivity of a random forest model: Application in gridded population modeling. *Computers, Environment and Urban Systems, 75*, 132-145. doi:10.1016/j.compenvurbsys.2019.01.006
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

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Gridded Population of the World (GPW) v4.11 (population count)
REMOTE SENSING (Sentinel-2)

Small, C., & Sousa, D. (2016). Humans on Earth; Global extents of anthropogenic land cover from remote sensing. *Anthropocene, 14*, 1-33. doi:10.1016/j.ancene.2016.04.003
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (VIIRS)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (IKONOS)
REMOTE SENSING (MERIS)
REMOTE SENSING (MODIS Global Cropland)
REMOTE SENSING (ALOS PALSAR)
REMOTE SENSING (Landsat Vegetation Continuous Fields)
REMOTE SENSING (TanDEM-X (TDX))

Small, C., Sousa, D., Yetman, G., Elvidge, C., & MacManus, K. (2018). Decades of urban growth and development on the Asian megadeltas. *Global and Planetary Change, 165*, 62-89. doi:10.1016/j.gloplacha.2018.03.005
Gridded Population of the World (GPW) v4 (population count)
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS DNB)

Smith, D. A. (2017). Visualising world population density as an interactive multi-scale map using the global human settlement population layer. *Journal of Maps, 13*(1), 117-123. doi:10.1080/17445647.2017.1400476
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Smith, T. P., Flaxman, S., Gallinat, A. S., Kinosian, S. P., Stemkovski, M., Unwin, H. J. T., . . . Pearse, W. D. (2021). Temperature and population density influence SARS-CoV-2 transmission in the absence of nonpharmaceutical interventions. *Proceedings of the National Academy of Sciences, 118*(25), e2019284118. doi:10.1073/pnas.2019284118
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Smith, T. P., Stemkovski, M., Koontz, A., & Pearse, W. D. (2022). AREAdata: A worldwide climate dataset averaged across spatial units at different scales through time. *Data in Brief, 43*, 108438. doi:10.1016/j.dib.2022.108438
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Snethlage, J., de Miguel, A., Daniels, E., & Froebich, J. (2019). *Water Stress and Water Vulnerability Indicators and Maps (M20)*. Retrieved from http://amsacta.unibo.it/6089/1/Del%201.2%20final.pdf
Gridded Population of the World (GPW) v4 (unspecified)

Sofiev, M., Winebrake, J. J., Johansson, L., Carr, E. W., Prank, M., Soares, J., . . . Corbett, J. J. (2018). Cleaner fuels for ships provide public health benefits with climate tradeoffs. *Nature Communications, 9*(1), 12pp. doi:10.1038/s41467-017-02774-9
Gridded Population of the World (GPW) v4 (population count)

Sogacheva, L., Rodriguez, E., Kolmonen, P., Virtanen, T. H., Saponaro, G., de Leeuw, G., . . . van der A, R. J. (2018). Spatial and seasonal variations of aerosols over China from two decades of multi-satellite observations. Part II: AOD time series for 1995-2017 combined from ATSR ADV and MODIS C6.1 for AOD tendencies estimation. *Atmospheric Chemistry and Physics, 18*, 16631-16652. doi:10.5194/acp-18-16631-2018
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Advanced Along Track Scanning Radiometer (AATSR))
REMOTE SENSING (Along Track Scanning Radiometer - ATSR-2)

Soininen, E. M., Barrio, I. C., Bjørkås, R., Björnsdóttir, K., Ehrich, D., Hopping, K. A., . . . Speed, J. D. M. (2021). Location of studies and evidence of effects of herbivory on Arctic vegetation: a systematic map. *Environmental Evidence, 10*(1), 25. doi:10.1186/s13750-021-00240-0
Gridded Population of the World (GPW) v4.11 (population density)
Last of the Wild v3 (Human Footprint, 2018 Release (2009))

Solbrig, J. E., Miller, S. D., Zhang, J., Grasso, L., & Kliewer, A. (2020). Assessing the stability of surface lights for use in retrievals of nocturnal atmospheric parameters. *Atmospheric Measurement Techniques, 13*(1), 165-190. doi:10.5194/amt-13-165-2020
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Solimini, A., Filipponi, F., Fegatelli, D. A., Caputo, B., De Marco, C. M., Spagnoli, A., & Vestri, A. R. (2021). A global association between Covid-19 cases and airborne particulate matter at regional level. *Scientific Reports, 11*(1), 6256. doi:10.1038/s41598-021-85751-z
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)
Gridded Population of the World (GPW) v4.11 (population count)

Sonea, A., & Westerholt, R. (2021). Geographic and temporal access to basic banking services offered through post offices in Wales. *Applied Spatial Analysis and Policy, 14*, 879-905. doi:10.1007/s12061-021-09386-3
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - methodology)

Song, C., Kwan, M.-P., Song, W., & Zhu, J. (2017). A comparison between spatial econometric models and random forest for modeling fire occurrence. *Sustainability, 9*(5), 21pp. doi:10.3390/su9050819
Gridded Population of the World (GPW) v4 (population density)

Song, C., Kwan, M.-P., & Zhu, J. (2017). Modeling fire occurrence at the city scale: A comparison between geographically weighted regression and global linear regression. *International Journal of Environmental Research and Public Health, 14*(4), 23pp. doi:10.3390/ijerph14040396
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

Song, J., Tong, X., Wang, L., Zhao, C., & Prishchepov, A. V. (2019). Monitoring finer-scale population density in urban functional zones: A remote sensing data fusion approach. *Landscape and Urban Planning*, 103580. Retrieved from https://doi.org/10.1016/j.landurbplan.2019.05.011
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - methodology)

Song, S., Chen, K., Huang, T., Ma, J., Wang, J., Mao, X., . . . Zhou, Z. (2023). New emission inventory reveals termination of global dioxin declining trend. *Journal of Hazardous Materials, 443*, 130357. doi:10.1016/j.jhazmat.2022.130357
Gridded Population of the World (GPW) v4.11 (population density)

Song, Y., Wang, X., Wright, G., Thatcher, D., Wu, P., & Felix, P. (2019). Traffic volume prediction with segment-based regression kriging and its implementation in assessing the impact of heavy vehicles. *IEEE Transactions on Intelligent Transportation Systems, 20*(1), 232-243. doi:10.1109/TITS.2018.2805817
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Song, Y., Wright, G., Wu, P., Thatcher, D., McHugh, T., Li, Q., . . . Wang, X. (2018). Segment-based spatial analysis for assessing road infrastructure performance using monitoring observations and remote sensing data. *Remote Sensing, 10*(11), 1696. doi:10.3390/rs10111696
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
NASA REMOTE SENSING (MODIS - MOD11A2)
NASA REMOTE SENSING (MODIS - MOD13A2)

Song, Y., Xu, Y., Chen, B., He, Q., Tu, Y., Wang, F., & Cai, J. (2022). Dynamic population mapping with AutoGluon. *Urban Informatics, 1*(1), 13. doi:10.1007/s44212-022-00017-x
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Song, Y., Zajic, C. J., Hwang, T., Hakkenberg, C. R., & Zhu, K. (2021). Widespread mismatch between phenology and climate in human-dominated landscapes. *AGU Advances, 2*(4), e2021AV000431. doi:10.1029/2021AV000431
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (AVHRR)
NASA REMOTE SENSING (MODIS)

Song, Z., Chen, B., & Huang, J. (2022). Combining Himawari-8 AOD and deep forest model to obtain city-level distribution of PM2.5 in China. *Environmental Pollution, 297*, 118826. doi:10.1016/j.envpol.2022.118826

Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Himawari-8)

Song, Z., Chen, B., Zhang, P., Guan, X., Wang, X., Ge, J., . . . Wang, Y. (2022). High temporal and spatial resolution PM2.5 dataset acquisition and pollution assessment based on FY-4A TOAR data and deep forest model in China. *Atmospheric Research, 274*, 106199. doi:10.1016/j.atmosres.2022.106199
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Advanced Geosynchronous Radiation Imager (AGRI))

Soofi, M., Qashqaei, A. T., Mousavi, M., Hadipour, E., Filla, M., Kiabi, B. H., . . . Waltert, M. (2022). Quantifying the relationship between prey density, livestock and illegal killing of leopards. *Journal of Applied Ecology, 59*(6), 1536-1547. doi:10.1111/1365-2664.14163
Gridded Population of the World (GPW) v4.11 (population density)

Soofi, M., Qashqaei, A. T., Trei, J.-N., Shokri, S., Selyari, J., Ghasemi, B., . . . Waltert, M. (2022). A novel application of hierarchical modelling to decouple sampling artifacts from socio-ecological effects on poaching intensity. *Biological Conservation, 267*, 109488. doi:10.1016/j.biocon.2022.109488
Gridded Population of the World (GPW) v4.11 (population density)

Sorichetta, A., Bird, T. J., Ruktanonchai, N. W., zu Erbach-Schoenberg, E., Pezzulo, C., Tejedor, N., . . . Tatem, A. J. (2016). Mapping internal connectivity through human migration in malaria endemic countries. *Scientific Data, 3*(160066), 16 pp. doi:10.1038/sdata.2016.66
Gridded Population of the World (GPW) v4 (collection)

Sorichetta, A., Hornby, G. M., Stevens, F. R., Gaughan, A. E., Linard, C., & Tatem, A. J. (2015). High-resolution gridded population datasets for Latin America and the Caribbean in 2010, 2015, and 2020. *Scientific Data, 2*, 150045. doi:10.1038/sdata.2015.45
Gridded Population of the World (GPW) v1
Gridded Population of the World (GPW) v2
Gridded Population of the World (GPW) v3 (collection)
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (MODIS NPP)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (VIIRS)
REMOTE SENSING (MERIS GlobCover)

Souter, N. J., Shaad, K., Sor, R., & Vollmer, D. (2023). Freshwater health index assessment of the Tonle Sap basin. *Cambodian Journal of Natural History, 2023*(1), 34-61. Retrieved from https://www.fauna-flora.org/app/uploads/2023/07/FFI_June2023_Cambodian_Journal_Natural _History.pdf
Gridded Population of the World (GPW) v4.11 (population density)

Southerland, V. A., Anenberg, S. C., Harris, M., Apte, J. S., Hystad, P., van Donkelaar, A., . . . Roy, A. (2021). Assessing the distribution of air pollution health risks within cities: A neighborhood-scale

analysis leveraging high-resolution data sets in the Bay Area, California. *Environmental Health Perspectives, 129*(3), 037006. doi:10.1289/EHP7679
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

Speed, J. D. M., Bendiksby, M., Finstad, A. G., Hassel, K., Kolstad, A. L., & Prestø, T. (2018). Contrasting spatial, temporal and environmental patterns in observation and specimen based species occurrence data. *PLoS ONE, 13*(4), e0196417. doi:10.1371/journal.pone.0196417
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Spiker, M. L., Welling, J., Hertenstein, D., Mishra, S., Mishra, K., Hurley, K. M., . . . Lee, B. Y. (2023). When increasing vegetable production may worsen food availability gaps: A simulation model in India. *Food Policy, 116*, 102416. doi:10.1016/j.foodpol.2023.102416
Gridded Population of the World (GPW) v4 (population count)

Spinosa, A. (2022). Wider urban zones: use of topology and nighttime satellite images for delimiting urban areas. *Review of Regional Research, 42*, 141-159. doi:10.1007/s10037-022-00169-y
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (VIIRS NTL)

Sreekar, R., Zeng, Y., Zheng, Q., Lamba, A., Teo, H. C., Sarira, T. V., & Koh, L. P. (2022). Nature-based climate solutions for expanding the global protected area network. *Biological Conservation, 269*, 109529. doi:10.1016/j.biocon.2022.109529
Gridded Population of the World (GPW) v4 (population density)

Sreeparvathy, V., & Srinivas, V. V. (2022). A Bayesian fuzzy clustering approach for design of precipitation gauge network using merged remote sensing and ground-based precipitation products. *Water Resources Research, 58*(2), e2021WR030612. doi:10.1029/2021WR030612
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (IMERG)
NASA REMOTE SENSING (SRTM)

Ssentongo, P., Fronterre, C., Geronimo, A., Greybush, S. J., Mbabazi, P. K., Muvawala, J., . . . Schiff, S. J. (2021). Pan-African evolution of within- and between-country COVID-19 dynamics. *Proceedings of the National Academy of Sciences, 118*(28), e2026664118. doi:10.1073/pnas.2026664118
Gridded Population of the World (GPW) v4.11 (population density)

Staffell, I., & Pfenninger, S. (2018). The increasing impact of weather on electricity supply and demand. *Energy, 145*, 65-78. doi:10.1016/j.energy.2017.12.051
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

Stahl, T., Clark, M. K., Zekkos, D., Athanasopoulos-Zekkos, A., Willis, M., Medwedeff, W., . . . Jin, J. (2017). Earthquake science in resilient societies. *Tectonics, 36*(4), 749-753. doi:10.1002/2017TC004604
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Stanley, T. A., Kirschbaum, D. B., Sobieszczyk, S., Jasinski, M. F., Borak, J. S., & Slaughter, S. L. (2020). Building a landslide hazard indicator with machine learning and land surface models. *Environmental Modelling & Software, 129*, 104692. doi:10.1016/j.envsoft.2020.104692

Gridded Population of the World (GPW) v3 (population count) - 10.7927/H4639MPP
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Stanojević, G. B., Miljanović, D. N., Doljak, D. L., Ćurčić, N. B., Radovanović, M. M., B., M.-M. S., & Olena, H. (2019). Spatio-temporal variability of annual PM2.5 concentrations and population exposure assessment in Serbia for the period 2001-2016. *Journal of the Geographical Institute "Jovan Cvijic", 69*(3), 197-211. doi:10.2298/IJGI1903197S
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

Staten, P. W., Grise, K. M., Davis, S. M., Karnauskas, K., & Davis, N. (2019). Regional widening of tropical overturning: Forced change, natural variability, and recent trends. *Journal of Geophysical Research: Atmospheres, 124*(12), 6104-6119. doi:10.1029/2018jd030100
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Steenhuisen, F., & Wilson, S. J. (2019). Development and application of an updated geospatial distribution model for gridding 2015 global mercury emissions. *Atmospheric Environment, 211*, 138-150. doi:10.1016/j.atmosenv.2019.05.003
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) - 10.7927/H4JQ0XZW
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted) - 10.7927/H49884ZR

Sterner, R. W., Keeler, B., Polasky, S., Poudel, R., Rhude, K., & Rogers, M. (2020). Ecosystem services of Earth's largest freshwater lakes. *Ecosystem Services, 41*, 101046. doi:10.1016/j.ecoser.2019.101046
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)

Sterzel, T., Lüdeke, M. K. B., Walther, C., Kok, M. T. J., Sietz, D., & Lucas, P. L. (2020). Typology of coastal urban vulnerability under rapid urbanization. *PLoS ONE, 15*(1), e0220936. doi:10.1371/journal.pone.0220936
Gridded Population of the World (GPW) v3 (population count)
Gridded Population of the World (GPW) v4 (collection)
Natural Disaster Hotspots (cyclone hazard frequency and distribution)
Natural Disaster Hotspots (cyclone mortality risks)
Natural Disaster Hotspots (flood hazard frequency and distribution)
Natural Disaster Hotspots (flood mortality risks)
NASA REMOTE SENSING (SRTM)

Stevens, V. L., De Risi, R., Le Roux-Mallouf, R., Drukpa, D., & Hetényi, G. (2020). Seismic hazard and risk in Bhutan. *Natural Hazards, 104*, 2339-2367. doi:10.1007/s11069-020-04275-3
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Stirling, E. L., Pope, R. J., Graham, A. M., Chipperfield, M. P., & Arnold, S. R. (2020). Quantifying the transboundary contribution of nitrogen oxides to UK air quality. *Atmospheric Science Letters, 21*(2), e955. doi:10.1002/asl.955

Gridded Population of the World (GPW) v4.10 (population count)

Stock, A., Haupt, A. J., Mach, M., & Micheli, F. (2018). Mapping ecological indicators of human impact
        with statistical and machine learning methods: Tests on the California coast. *Ecological
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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Landsat) via Google Earth Engine

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Gridded Population of the World (GPW) v4 (population density)
Last of the Wild v2 Global Human Influence Index (Geographic)
NASA REMOTE SENSING (SRTM)

Stringer, L. C., Mirzabaev, A., Benjaminsen, T. A., Harris, R. M. B., Jafari, M., Lissner, T. K., . . . Tirado-von
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Gridded Population of the World (GPW) v4.11 (unspecified)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) -
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NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)
REMOTE SENSING (VIIRS NTL)

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NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)
REMOTE SENSING (VIIRS NTL)

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Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (Ozone Mapping and Profiler Suite (OMPS))
REMOTE SENSING (Environmental Trace Gases Monitoring Instrument (EMI))

Sun, D., Ellepola, G., Herath, J., & Meegaskumbura, M. (2023). Ecological barriers for an amphibian
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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (population count)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.11 (admin unit center points)
NASA REMOTE SENSING (MODIS - MOD13A1)

Sun, S., Song, Z., Chen, B., Wang, Y., Ran, X., Fang, Y., . . . Wang, H. (2023). Current and future potential
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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population count)

Sun, Y., Nan, Z., Yang, W., & Li, L. (2023). Projecting China's future water footprints and water scarcity under socioeconomic and climate change pathways using an integrated simulation approach. *Climate Services, 30*, 100385. doi:10.1016/j.cliser.2023.100385
Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Last of the Wild v2 (Global Human Footprint (Geographic)) - 10.7927/H4M61H5F

Last of the Wild v2 Global Human Influence Index (Geographic) - 10.7927/H4BP00QC
Last of the Wild v2 Last of the Wild (Geographic) - 10.7927/H4348H83
Natural Disaster Hotspots (cyclone hazard frequency and distribution) - 10.7927/H4CZ353K

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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)
Global High Resolution Urban Data from Landsat (GMIS)
Global High Resolution Urban Data from Landsat (HBASE)
NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (SMAP)
NASA REMOTE SENSING (TRMM)
REMOTE SENSING (Landsat)

Swain, M., Nadimpalli, R. R., Mohanty, U. C., Guhathakurta, P., Gupta, A., Kaginalkar, A., . . . Niyogi, D. (2023). Delay in timing and spatial reorganization of rainfall due to urbanization- analysis over India's smart city Bhubaneswar. *Computational Urban Science, 3*(1), 8. doi:10.1007/s43762-023-00081-2
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (TRMM)
REMOTE SENSING (Landsat)

Swain, S., Mishra, S. K., Pandey, A., & Kalura, P. (2022). Inclusion of groundwater and socio-economic factors for assessing comprehensive drought vulnerability over Narmada River Basin, India: A geospatial approach. *Applied Water Science, 12*(2), 14. doi:10.1007/s13201-021-01529-8
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)

Tan, Y., Wang, Q., & Zhang, Z. (2023). Coupling the linear mixed effects model with random forest
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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS - MOD13A2)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Himawari-8)

Tan, Z. D., Carrasco, L. R., & Taylor, D. (2020). Spatial correlates of forest and land fires in Indonesia.
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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
        10.7927/H4F47M65
NASA REMOTE SENSING (MODIS - MCD14ML)

Tanalgo, K. C., Tabora, J. A. G., de Oliveira, H. F. M., Haelewaters, D., Beranek, C. T., Otálora-Ardila, A., . .
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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (Black Marble -VIIRS)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (GOCI)
REMOTE SENSING (Himawari-8)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (MISR)
NASA REMOTE SENSING (SeaWiFS)

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Gridded Population of the World (GPW) v4.11 (admin unit center points)
Gridded Population of the World (GPW) v4.11 (population density)

Tatem, A. J. (2022). Small area population denominators for improved disease surveillance and
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Gridded Population of the World (GPW) v4.11 (admin unit center points)
Gridded Population of the World (GPW) v4.11 (population density)

Taube, J. C., Rest, E. C., Lloyd-Smith, J. O., & Bansal, S. (2023). The global landscape of smallpox
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Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)

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Gridded Population of the World (GPW) v4 (population count)
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (TanDEM-X (TDX))
REMOTE SENSING (Landsat)

Taylor, C., Robinson, T. R., Dunning, S., Rachel Carr, J., & Westoby, M. (2023). Glacial lake outburst floods threaten millions globally. *Nature Communications, 14*(1), 487. doi:10.1038/s41467-023-36033-x
Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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Gridded Population of the World (GPW) v4.11 (admin unit center points)
NASA REMOTE SENSING (MODIS - MYD11C3)
NASA REMOTE SENSING (TRMM)
REMOTE SENSING (Landsat)
REMOTE SENSING (Meteosat)

Taylor, P., Rahman, J., O'Sullivan, J., Podger, G., Rosello, C., Parashar, A., . . . Coombe, M. (2021). Basin futures, a novel cloud-based system for preliminary river basin modelling and planning. *Environmental Modelling & Software, 141*, 105049. doi:10.1016/j.envsoft.2021.105049
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/h4x63jvc

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Tennant, E., & Gilmore, E. A. (2020). Government effectiveness and institutions as determinants of

tropical cyclone mortality. *Proceedings of the National Academy of Sciences, 117*(46), 28692-28699. doi:10.1073/pnas.2006213117

Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) - 10.7927/H4JQ0XZW

Population Dynamics (Global Population Count Grid Time Series Estimates, v1) - 10.7927/H4CC0XNV

Poverty Mapping (Global Subnational Infant Mortality Rates, v1) - 10.7927/H4PZ56R2

Tepley, A. J., Parisien, M.-A., Wang, X., Oliver, J. A., & Flannigan, M. D. (2022). Wildfire evacuation patterns and syndromes across Canada's forested regions. *Ecosphere, 13*(10), e4255. doi:10.1002/ecs2.4255

Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Last of the Wild v3 (Human Footprint, 2018 Release (2009))

Tessler, Z. D., Vörösmarty, C. J., Overeem, I., & Syvitski, J. P. M. (2018). A model of water and sediment balance as determinants of relative sea level rise in contemporary and future deltas. *Geomorphology, 305*, 209-220. doi:10.1016/j.geomorph.2017.09.040

Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Thiery, W., Visser, A. J., Fischer, E. M., Hauser, M., Hirsch, A. L., Lawrence, D. M., . . . Seneviratne, S. I. (2020). Warming of hot extremes alleviated by expanding irrigation. *Nature Communications, 11*(1), 290. doi:10.1038/s41467-019-14075-4

Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted) - 10.7927/H49884ZR

NASA REMOTE SENSING (MODIS)

Thomas, N. P., Anyamba, A., Tubbs, H., & Bishnoi, B. (2022). Evaluation of extreme soil moisture conditions during the 2020 Sahel floods and implications for disease outbreaks. *Geophysical Research Letters, 49*(19), e2022GL099872. Retrieved from https://doi.org/10.1029/2022GL099872

Gridded Population of the World (GPW) v4.11 (population density)

NASA REMOTE SENSING (SMAP)

Thomas, T. S., You, L., Wood-Sichra, U., Ru, Y., Blankenspoor, B., & Kalvelagen, E. (2019). *Generating Gridded Agricultural Gross Domestic Product for Brazil: A Comparison of Methodologies*. Retrieved from Washington DC: http://documents.worldbank.org/curated/en/677071566217273585/Generating-Gridded-Agricultural-Gross-Domestic-Product-for-Brazil-A-Comparison-of-Methodologies

Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) - 10.7927/H4JQ0XZW

Socioeconomic Downscaled Projections (Global 15 x 15 Minute Grids of the Downscaled GDP Based on the SRES B2 Scenario, v1) - 10.7927/H4NC5Z4X

Thompson, J. J., Morato, R. G., Niebuhr, B. B., Alegre, V. B., Oshima, J. E. F., de Barros, A. E., . . . Ribeiro, M. C. (2021). Environmental and anthropogenic factors synergistically affect space use of jaguars. *Current Biology, 31*(15), 3457-3466. doi:10.1016/j.cub.2021.06.029

Gridded Population of the World (GPW) v4.11 (population density)

Global Roads (Global Roads Open Access Data Set (gROADS), v1)

Thompson, K. A., Renaudin, M., & Johnson, M. T. J. (2016). Urbanization drives the evolution of parallel clines in plant populations. *Proceedings of the Royal Society B: Biological Sciences, 283*(1845), 20162180. doi:10.1098/rspb.2016.2180
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4.11 (population count)

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Population Dynamics (Global One-Eighth Degree Population Base Year and Projection Grids Based on the SSPs, v1.01)
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NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS
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Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MISR)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SeaWiFS)

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NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SeaWiFS)

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NASA REMOTE SENSING (TRMM)

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

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Gridded Population of the World (GPW) v4.10 (population density)

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Gridded Population of the World (GPW) v4.11 (admin unit center points)
Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4 (population density) map

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (OMI)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

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Gridded Population of the World (GPW) v4.11 (collection)
NASA REMOTE SENSING (TRMM)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (TROPOMI)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS MCD45A1.051)

Ventura, Y., Rodríguez, Y., Odériz, I., Chávez, V., Mori, N., Felix, A., . . . Silva, R. (2022). New assessment of wave energy in relation to geomorphological and demographic characteristics on the Pacific Coast of Baja California, Mexico. *Frontiers in Marine Science, 9*, 872707. doi:10.3389/fmars.2022.872707
Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

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Gridded Population of the World (GPW) v4 (population density)

Vergopolan, N., Xiong, S., Estes, L., Wanders, N., Chaney, N. W., Wood, E. F., . . . Sheffield, J. (2021). Field-scale soil moisture bridges the spatial-scale gap between drought monitoring and agricultural yields. *Hydrology and Earth System Sciences, 25*, 1827-1847. doi:10.5194/hess-25-1827-2021
Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
NASA REMOTE SENSING (ICESat-2)

Vestby, J., Brandsch, J., Larsen, V. B., Landsverk, P., & Tollefsen, A. F. (2022). Predicting (de-)escalation of sub-national violence using gradient boosting: Does it work? *International Interactions, 48*(4), 841-859. doi:10.1080/03050629.2022.2021198
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Vetter-Gindele, J., Braun, A., Warth, G., Bui, T. T. Q., Bachofer, F., & Eltrop, L. (2019). Assessment of household solid waste generation and composition by building type in Da Nang, Vietnam. *Resources, 8*(4), 171. doi:10.3390/resources8040171
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Viana, D. F., Zamborain-Mason, J., Gaines, S. D., Schmidhuber, J., & Golden, C. D. (2023). Nutrient supply from marine small-scale fisheries. *Scientific Reports, 13*(1), 11357. doi:10.1038/s41598-023-37338-z
Gridded Population of the World (GPW) v4 (population count)

Villarreal, M. L., Haire, S. L., Iniguez, J. M., Cortés Montaño, C., & Poitras, T. B. (2019). Distant neighbors: recent wildfire patterns of the Madrean Sky Islands of southwestern United States and northwestern Mexico. *Fire Ecology, 15*(1), 2. doi:10.1186/s42408-018-0012-x
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

NASA REMOTE SENSING (LIS)

Vishnu, S., Risser, M. D., O'Brien, T. A., Ullrich, P. A., & Boos, W. R. (2023). Observed increase in the peak rain rates of monsoon depressions. *npj Climate and Atmospheric Science, 6*(1), 111. doi:10.1038/s41612-023-00436-w
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
REMOTE SENSING (CHIRPS-2)

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Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

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Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) - 10.7927/H4JQ0XZW

Vodonos, A., & Schwartz, J. (2021). Estimation of excess mortality due to long-term exposure to PM2.5 in continental United States using a high-spatiotemporal resolution model. *Environmental Research, 196*, 110904. doi:10.1016/j.envres.2021.110904
Gridded Population of the World (GPW) v4.11 (population count)

Vohra, K., Vodonos, A., Schwartz, J., Marais, E. A., Sulprizio, M. P., & Mickley, L. J. (2021). Global mortality from outdoor fine particle pollution generated by fossil fuel combustion: Results from GEOS-Chem. *Environmental Research, 195*, 110754. doi:10.1016/j.envres.2021.110754
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (collection)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)

Wahlqvist, J., Ronchi, E., Gwynne, S. M. V., Kinateder, M., Rein, G., Mitchell, H., . . . Kuligowski, E. (2021).

The simulation of wildland-urban interface fire evacuation: The WUI-NITY platform. *Safety Science, 136*, 105145. doi:10.1016/j.ssci.2020.105145
Gridded Population of the World (GPW) v4 (collection)

Waktola, D. K. (2021). Geographic Aspects of Hydropolitics: The Case of Nile and Mekong River Basins. In A. M. Melesse, W. Abtew, & S. A. Moges (Eds.), *Nile and Grand Ethiopian Renaissance Dam: Past, Present and Future* (pp. 117-142). Cham: Springer International Publishing.
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4.11 (population count)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
NASA REMOTE SENSING (MODIS)

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Gridded Species Distribution (Mammals 2015)
Poverty Mapping (Global Subnational Infant Mortality Rates, v2) - 10.7927/H4PN93JJ

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

Wang, A., Tao, H., Wu, Q., Huang, J., Zhang, B., & Wang, Y. (2022). Increasing urban and rural population exposures to warm-season concurrent hot days and nights on the North China Plain. *International Journal of Climatology, 42*(15), 7938-7950. doi:10.1002/joc.7685
Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Wang, H., He, X., Liang, X., Choma, E. F., Liu, Y., Shan, L., . . . Evans, J. S. (2020). Health benefits of on-road transportation pollution control programs in China. *Proceedings of the National Academy of Sciences, 117*(41), 25370-25377. doi:10.1073/pnas.1921271117

Gridded Population of the World (GPW) v4 (unspecified)

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        service value: Evidence from the economic development of urbanised regions. *Technological*
        Forecasting and Social Change, 193, 122626. doi:10.1016/j.techfore.2023.122626
Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (Landsat)

Wang, L., Bi, J., Meng, X., Geng, G., Huang, K., Li, J., . . . Liu, Y. (2020). Satellite-based assessment of the
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        of Environment, 251, 112067. doi:10.1016/j.rse.2020.112067
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
        10.7927/H4F47M65
NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Wang, L., Fan, H., & Wang, Y. (2020). Improving population mapping using Luojia 1-01 nighttime light
        image and location-based social media data. *Science of The Total Environment, 730*, 139148.
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REMOTE SENSING (Luojia 1-01)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (MODIS)

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        quantifying total river runoff from the Third Pole. *Bulletin of the American Meteorological*
        Society, 102(5), E948-E965. doi:10.1175/bams-d-20-0207.1
Gridded Population of the World (GPW) v4.11 (unspecified)
NASA REMOTE SENSING (MODIS)

REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-2)

Wang, L., Zhao, Y., Shi, Y., Liu, H., Li, H., Liu, J., . . . Han, C. (2023). The interaction effects between exposure to ambient PM2.5 and economic development on the settlement intention for floating population in China. *Environmental Science and Pollution Research, 30*, 67217-67226. doi:10.1007/s11356-023-27043-9
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (GRACE)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (ASTER GDEM)

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Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (unspecified)
Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) with GWR, v1)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)

Wang, T., & Sun, F. (2022). Global gridded GDP data set consistent with the shared socioeconomic pathways. *Scientific Data, 9*(1), 221. doi:10.1038/s41597-022-01300-x
Gridded Population of the World (GPW) v4.11 (unspecified)
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Wang, W., Parrish, D. D., Wang, S., Bao, F., Ni, R., Li, X., . . . Su, H. (2022). Long-term trend of ozone pollution in China during 2014-2020: Distinct seasonal and spatial characteristics and ozone sensitivity. *Atmospheric Chemistry and Physics, 22*, 8935-8949. doi:10.5194/acp-22-8935-2022
Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
REMOTE SENSING (TROPOMI)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (SPOT VGT)

Wang, X., Meng, X., & Long, Y. (2022). Projecting 1 km-grid population distributions from 2020 to 2100 globally under shared socioeconomic pathways. *Scientific Data, 9*(1), 563. doi:10.1038/s41597-022-01675-x
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (GRACE)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4SF2T42

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted) - 10.7927/H4PN93PB

Wang, Y., Liang, Z., Ding, J., Shen, J., Wei, F., & Li, S. (2022). Prediction of urban thermal environment based on multi-dimensional nature and urban form factors. *Atmosphere, 13*(9), 1493. doi:10.3390/atmos13091493
Gridded Population of the World (GPW) v4.10 (population density)
REMOTE SENSING (DMSP-OLS)

Wang, Y., Liao, H., Chen, H., & Chen, L. (2023). Future projection of mortality from exposure to PM2.5 and O3 under the carbon neutral pathway: Roles of changing emissions and population aging. *Geophysical Research Letters, 50*(15), e2023GL104838. doi:10.1029/2023GL104838
Gridded Population of the World (GPW) v4.11 (population count)

Wang, Y., Zhao, N., Wu, C., Quan, J., & Chen, M. (2023). Future population exposure to heatwaves in 83 global megacities. *Science of The Total Environment, 888*, 164142. doi:10.1016/j.scitotenv.2023.164142
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Wang, Y., Zhao, N., Yin, X., Wu, C., Chen, M., Jiao, Y., & Yue, T. (2023). Global future population exposure to heatwaves. *Environment International, 178*, 108049. doi:10.1016/j.envint.2023.108049
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Wang, Y., Zhou, Y., Franz, K., Zhang, X., Ding, K. J., Jia, G., & Yuan, X. (2021). An agent-based framework for high-resolution modeling of domestic water use. *Resources, Conservation and Recycling, 169*, 105520. doi:10.1016/j.resconrec.2021.105520
Gridded Population of the World (GPW) v4 (unspecified)
REMOTE SENSING (VIIRS)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.11 (population density)

Ward, P. J., Blauhut, V., Bloemendaal, N., Daniell, J. E., de Ruiter, M. C., Duncan, M., . . . Winsemius, H. C. (2020). Review article: Natural hazard risk assessments at the global scale. *Natural Hazards and Earth System Sciences, 20*, 1069-1096. doi:10.5194/nhess-20-1069-2020
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Watts, M. J., Sarto i Monteys, V., Mortyn, P. G., & Kotsila, P. (2021). The rise of West Nile Virus in Southern and Southeastern Europe: A spatial–temporal analysis investigating the combined effects of climate, land use and economic changes. *One Health, 13*, 100315. doi:10.1016/j.onehlt.2021.100315
Gridded Population of the World (GPW) v4.11 (population count)

Watts, N., Amann, M., Arnell, N., Ayeb-Karlsson, S., Beagley, J., Belesova, K., . . . Costello, A. (2021). The 2020 report of *The Lancet* Countdown on health and climate change: responding to converging crises. *The Lancet, 397*(10269), 129-170. doi:10.1016/S0140-6736(20)32290-X
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)

Watts, N., Amann, M., Arnell, N., Ayeb-Karlsson, S., Belesova, K., Boykoff, M., . . . Montgomery, H. (2019). The 2019 report of The Lancet Countdown on health and climate change: ensuring that the health of a child born today is not defined by a changing climate. *The Lancet, 394*(10211), 1836-1878. doi:10.1016/S0140-6736(19)32596-6
Gridded Population of the World (GPW) v4.10 (population count)
Gridded Population of the World (GPW) v4.10 (basic demographic characteristics)
NASA REMOTE SENSING (MODIS Active Fires)
NASA REMOTE SENSING (MODIs SSTs)

Wayland, J. J. (2018). *Natural Resources, Civil Conflict, and the Political Ecology of Scale.* (Ph.D. Ph.D.). University of Maryland, College Park, MD. Retrieved from https://doi.org/10.13016/atbq-zmvw
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

Weagle, C. L., Saint-Louis, R., Dumas-Lefebvre, É., Chavanne, C., Dumont, D., & Chang, R. Y. W. (2022). Sea-air transfer of a tracer dye observed during the Tracer Release Experiment with implications for airborne contaminant exposure. *Marine Pollution Bulletin, 182*, 113945. doi:10.1016/j.marpolbul.2022.113945
Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H
REMOTE SENSING (DigitalGlobe)

Weber, R., & Kornher, L. (2019). *Can One Improve Now-casts of Crop Prices in Africa?   Google Can.* Retrieved from Bonn: https://www.zef.de/uploads/tx_zefportal/Publications/ZEF_DP_271.pdf
Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

Wei, C., Chen, W., Lu, Y., Blaschke, T., Peng, J., & Xue, D. (2022). Synergies between urban heat island and urban heat wave effects in 9 global mega-regions from 2003 to 2020. *Remote Sensing, 14*(1), 70. doi:10.3390/rs14010070
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Wei, F., Liang, Z., Ma, W., Shen, J., Wang, Y., Liu, D., & Li, S. (2022). Dominant factors in the temporal and spatial distribution of precipitation change in the Beijing-Tianjin-Hebei urban agglomeration. *Remote Sensing, 14*(12), 2880. doi:10.3390/rs14122880
Gridded Population of the World (GPW) v4.10 (population density)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS - MCD12C1)

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Gridded Population of the World (GPW) v4 (collection)
REMOTE SENSING (Landsat) via Google Earth Engine

Wei, Y., Danesh Yazdi, M., Ma, T., Castro, E., Liu, C. S., Qiu, X., . . . Schwartz, J. (2023). Additive effects of 10-year exposures to PM2.5 and NO2 and primary cancer incidence in American older adults. *Environmental Epidemiology, 7*(4). doi:10.1097/EE9.0000000000000265
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Air Quality Data for Health-Related Applications (Daily and Annual PM2.5 Concentrations for the Contiguous United States, 1-km Grids, v1) - 10.7927/0rvr-4538

Air Quality Data for Health-Related Applications (Daily and Annual PM2.5, O3, and NO2 Concentrations at ZIP Codes for the Contiguous U.S., v1) - 10.7927/9yp5-hz11

Gridded Population of the World (GPW) v4.11 (population density)

NASA REMOTE SENSING (MODIS)

Weidner, T., Yang, A., Forster, F., & Hamm, M. W. (2022). Regional conditions shape the food–energy–land nexus of low-carbon indoor farming. *Nature Food, 3*, 206-216. doi:10.1038/s43016-022-00461-7

Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Weiss, L., Ludwig, W., Heussner, S., Canals, M., Ghiglione, J.-F., Estournel, C., . . . Kerhervé, P. (2021). The missing ocean plastic sink: Gone with the rivers. *Science, 373*(6550), 107-111. doi:10.1126/science.abe0290

Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

NASA REMOTE SENSING (MODIS)

Wen, S., Wang, A., Tao, H., Malik, K., Huang, J., Zhai, J., . . . Su, B. (2019). Population exposed to drought under the 1.5 °C and 2.0 °C warming in the Indus River Basin. *Atmospheric Research, 218*, 296-305. doi:10.1016/j.atmosres.2018.12.003

Gridded Population of the World (GPW) v4 (unspecified)

Westerveld, J. J. L., van den Homberg, M. J. C., Nobre, G. G., van den Berg, D. L. J., Teklesadik, A. D., & Stuit, S. M. (2021). Forecasting transitions in the state of food security with machine learning using transferable features. *Science of The Total Environment, 786*, 147366. doi:10.1016/j.scitotenv.2021.147366

Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

NASA REMOTE SENSING (GPM IMERG)

NASA REMOTE SENSING (TRMM)

Westphal, D. (2022). *Genetic Impacts of Deforestation on Mouse Lemurs.* (Ph.D.). City University of New York, New York. Retrieved from https://academicworks.cuny.edu/gc_etds/4839

Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Gridded Population of the World (GPW) v4.11 (documentation) - 10.7927/H45Q4T5F

NASA REMOTE SENSING (IceSat-1)

NASA REMOTE SENSING (MODIS)

REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4 (collection)

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NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

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Gridded Population of the World (GPW) v4 (population count)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Williams, B. A., Venter, O., Allan, J. R., Atkinson, S. C., Rehbein, J. A., Ward, M., . . . Watson, J. E. M. (2020). Change in terrestrial human footprint drives continued loss of intact ecosystems. *One Earth, 3*(3), 371-382. doi:10.1016/j.oneear.2020.08.009
Gridded Population of the World (GPW) v4 (population density)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
REMOTE SENSING (DMSP-OLS)

Williams, M. A., Faiad, S., Claar, D. C., French, B., Leslie, K. L., Oven, E., . . . Wood, C. L. (2022). Life history mediates the association between parasite abundance and geographic features. *Journal of Animal Ecology, 91*(5), 996-1009. doi:10.1111/1365-2656.13693
Gridded Population of the World (GPW) v4 (population count)

Williams, R. (2019). *The Geography of Secession.* (Ph.D.). University of North Carolina, Chapel Hill. Retrieved from https://doi.org/10.17615/1ysh-sk68
Gridded Population of the World (GPW) v3 (population count)
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4.11 (Population density)
NASA REMOTE SENSING (OMI)

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http://www.un.org/en/development/desa/population/commission/pdf/49/CPD2016_Substanti veBriefing_SGReport_Bravo_22March2016.pdf
Gridded Population of the World (GPW) v4 (map)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

Wilson, K., & Wakefield, J. (2020). Pointless spatial modeling. *Biostatistics, 21*(2), e17-e32. doi:10.1093/biostatistics/kxy041
Gridded Population of the World (GPW) v4.10 (population count) - 10.7927/H4PG1PPM

Wilson, T., Grossman, I., Alexander, M., Rees, P., & Temple, J. (2022). Methods for small area population forecasts: State-of-the-art and research needs. *Population Research and Policy Review, 41*(3), 865-898. doi:10.1007/s11113-021-09671-6
Gridded Population of the World (GPW) v4 (collection)

Wimberly, M. C. (2023). Geospatial Environmental Data for Planetary Health Applications. In T.-H. Wen, T.-W. Chuang, & M. Tipayamongkholgul (Eds.), *Earth Data Analytics for Planetary Health* (pp. 123-141). Singapore: Springer Nature Singapore.
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Land Use and Land Cover (LULC) (Global Human Modification of Terrestrial Systems, v1)
NASA REMOTE SENSING (MODIS - MYD13A1)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (ALOS-1)
REMOTE SENSING (ALOS-2)
REMOTE SENSING (Landsat)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.11 (population density)
Population Estimation Service v3

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Gridded Population of the World (GPW) v4.11 (population density)

Wolff, C., Vafeidis, A. T., Muis, S., Lincke, D., Satta, A., Lionello, P., . . . Hinkel, J. (2018). A Mediterranean coastal database for assessing the impacts of sea-level rise and associated hazards. *Scientific Data, 5*, 180044. doi:10.1038/sdata.2018.44
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D
NASA REMOTE SENSING (MODIS - MOD11C1)
NASA REMOTE SENSING (MODIS - MOD13Q1)
REMOTE SENSING (DMSP-OLS)

Wong, K. L. M., Brady, O. J., Campbell, O. M. R., Jarvis, C. I., Pembe, A., Gomez, G. B., & Benova, L. (2019). Current realities versus theoretical optima: quantifying efficiency and sociospatial equity of travel time to hospitals in low-income and middle-income countries. *BMJ Global Health, 4*(4), e001552. doi:10.1136/bmjgh-2019-001552
Gridded Population of the World (GPW) v4 (population density)

Woods, J., James, N., Kozubal, E., Bonnema, E., Brief, K., Voeller, L., & Rivest, J. (2022). Humidity's impact on greenhouse gas emissions from air conditioning. *Joule, 6*(4), 726-741. doi:10.1016/j.joule.2022.02.013
Gridded Population of the World (GPW) v4.11 (population count)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Wu, B., Yang, C., Wu, Q., Wang, C., Wu, J., & Yu, B. (2023). A building volume adjusted nighttime light index for characterizing the relationship between urban population and nighttime light intensity. *Computers, Environment and Urban Systems, 99*, 101911. doi:10.1016/j.compenvurbsys.2022.101911
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

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Gridded Population of the World (GPW) v4.10 (basic demographic characteristics) - 10.7927/H45H7D7F
NASA REMOTE SENSING (OCO-2)

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Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (TROPOMI)

Wu, Q., Ke, L., Wang, J., Pavelsky, T. M., Allen, G. H., Sheng, Y., . . . Song, C. (2023). Satellites reveal
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Gridded Population of the World (GPW) v4.11 (population density)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

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        Research Letters, 14*(9), 094016. doi:10.1088/1748-9326/ab3bae
Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) with GWR, v1)

Wu, X., Degefu, D. M., Yuan, L., Liao, Z., He, W., An, M., & Zhang, Z. (2019). Assessment of water footprints of consumption and production in transboundary river basins at country-basin mesh-based spatial resolution. *International Journal of Environmental Research and Public Health, 16*(5), 703. doi:10.3390/ijerph16050703

Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Wu, Y., Chen, X., Wen, L., Li, Z., Peng, M., Wu, H., & Xie, L. (2022). Linking human activity to spatial accumulation of microplastics along mangrove coasts. *Science of The Total Environment, 825*, 154014. doi:10.1016/j.scitotenv.2022.154014

Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

Wu, Y., Di, B., Luo, Y., Grieneisen, M. L., Zeng, W., Zhang, S., . . . Zhan, Y. (2021). A robust approach to deriving long-term daily surface NO2 levels across China: Correction to substantial estimation bias in back-extrapolation. *Environment International, 154*, 106576. doi:10.1016/j.envint.2021.106576

Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

NASA REMOTE SENSING (OMI NO2)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB

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Gridded Population of the World (GPW) v4.11 (population count)

NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density)

NASA REMOTE SENSING (ASTER GDEM)

NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (unspecified)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (GRACE)

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Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Xia, N., Cheng, L., & Li, M. (2019). Mapping urban areas using a combination of remote sensing and geolocation data. *Remote Sensing, 11*(12), 1470. doi:10.3390/rs11121470
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H46T0JKB
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)
REMOTE SENSING (VIIRS)

Xia, N., Cheng, L., & Li, M. (2021). Transnational accessibility between residential areas based on multimodal transport system. *ISPRS International Journal of Geo-Information, 10*(3), 136. doi:10.3390/ijgi10030136
Gridded Population of the World (GPW) v4 (population count) - 10.7927/H4X63JVC

Xia, Q.-Q., Chen, Y.-N., Zhang, X.-Q., & Ding, J.-L. (2022). Spatiotemporal changes in ecological quality and its associated driving factors in Central Asia. *Remote Sensing, 14*(14), 3500. doi:10.3390/rs14143500
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65
NASA REMOTE SENSING (MODIS)

Xiang, Y., Huang, C., Huang, X., Zhou, Z., & Wang, X. (2021). Seasonal variations of the dominant factors for spatial heterogeneity and time inconsistency of land surface temperature in an urban agglomeration of central China. *Sustainable Cities and Society, 75*, 103285. doi:10.1016/j.scs.2021.103285
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)

Xiao, L., Lang, Y., & Christakos, G. (2018). High-resolution spatiotemporal mapping of PM2.5 concentrations at Mainland China using a combined BME-GWR technique. *Atmospheric Environment, 173*(Supplement C), 295-305. doi:10.1016/j.atmosenv.2017.10.062
Gridded Population of the World (GPW) v4 (population count)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Xiao, Q., Geng, G., Liang, F., Wang, X., Lv, Z., Lei, Y., . . . He, K. (2020). Changes in spatial patterns of PM2.5 pollution in China 2000–2018: Impact of clean air policies. *Environment International,*

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Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MODIS - MOD13A3)

Xiao, Q., Liang, F., Ning, M., Zhang, Q., Bi, J., He, K., . . . Liu, Y. (2021). The long-term trend of
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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)
NASA REMOTE SENSING (MODIS - MOD13A3)
NASA REMOTE SENSING (OMI NO2)

Xiao, Q., Zheng, Y., Geng, G., Chen, C., Huang, X., Che, H., . . . Zhang, Q. (2021). Separating emission and
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NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS - MODQ13Q1)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)

Xie, X., Hao, M., Ding, F., Helman, D., Scheffran, J., Wang, Q., . . . Jiang, D. (2022). Exploring the direct
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Gridded Population of the World (GPW) v4.10 (population density)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

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Gridded Population of the World (GPW) v4 (population density)
Last of the Wild v2 (Global Human Footprint (Geographic))
Last of the Wild v2 Global Human Influence Index (Geographic)

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Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

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Gridded Population of the World (GPW) v4 (population density)

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Xiong, J., Li, K., Cheng, W., Ye, C., & Zhang, H. (2019). A method of population spatialization considering parametric spatial stationarity: Case study of the southwestern area of China. *ISPRS International Journal of Geo-Information, 8*(11), 495. doi:10.3390/ijgi8110495
Gridded Population of the World (GPW) v4 (population density)
REMOTE SENSING (DMSP-OLS)

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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
NASA REMOTE SENSING (MODIS - MOD17A3)

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Gridded Population of the World (GPW) v4 (population count)

Xu, J., Morris, P. J., Liu, J., & Holden, J. (2018). Hotspots of peatland-derived potable water use identified by global analysis. *Nature Sustainability, 1*(5), 246-253. doi:10.1038/s41893-018-0064-6
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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

Xu, L., Chen, N., Zhang, X., & Chen, Z. (2019). Spatiotemporal changes in China's terrestrial water storage from GRACE satellites and its possible drivers. *Journal of Geophysical Research: Atmospheres, 124*(22), 11976-11993. doi:10.1029/2019jd031147
Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted)
NASA REMOTE SENSING (GRACE)

Xu, M., Cao, C., & Jia, P. (2020). Mapping fine-scale urban spatial population distribution based on high-resolution stereo pair images, points of interest, and land cover data. *Remote Sensing, 12*(4), 608. doi:10.3390/rs12040608
Gridded Population of the World (GPW) v4 (collection)
REMOTE SENSING (ZiYuan3)

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China's population in the past 30 years based on census data spatialization. *Remote Sensing, 15*(6), 1674. doi:10.3390/rs15061674

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REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Xu, Y., Ho, H. C., Knudby, A., & He, M. (2021). Comparative assessment of gridded population data sets for complex topography: a study of Southwest China. *Population and Environment, 42*, 360-378. doi:10.1007/s11111-020-00366-2
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Xu, Y., Zhou, J., Liu, T., Liu, P., Wu, Y., Lai, Z., . . . Chen, X.-G. (2022). Assessing the risk of spread of zika virus under current and future climate scenarios. *Biosafety and Health, 4*(3), 193-204. doi:10.1016/j.bsheal.2022.03.012
Gridded Population of the World (GPW) v4.11 (population density)
Population Dynamics (Global One-Eighth Degree Population Base Year and Projection Grids Based on the SSPs, v1.01)

Xu, Z., Jin, J., Yang, T., Wang, Y., Huang, J., Pan, X., . . . Li, G. (2023). Outdoor light at night, genetic predisposition and type 2 diabetes mellitus: A prospective cohort study. *Environmental Research, 219*, 115157. doi:10.1016/j.envres.2022.115157
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Xue, T., Geng, G., Li, J., Han, Y., Guo, Q., Kelly, F. J., . . . Zhu, T. (2021). Associations between exposure to landscape fire smoke and child mortality in low-income and middle-income countries: a matched case-control study. *The Lancet Planetary Health, 5*(9), e588-e598. doi:10.1016/S2542-5196(21)00153-4
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MERRA-2)
NASA REMOTE SENSING (MODIS - MCD64A1)

Xue, T., Zhu, T., Zheng, Y., & Zhang, Q. (2019). Declines in mental health associated with air pollution and temperature variability in China. *Nature Communications, 10*(1), 2165. doi:10.1038/s41467-019-10196-y
Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS - MOD13A3)
NASA (AppEEARS)

Yalew, A. W. (2020). Overview of the Ethiopian Economy. In *Economic Development under Climate Change : Economy-Wide and Regional Analysis for Ethiopia* (pp. 15-25). Wiesbaden: Springer Fachmedien Wiesbaden.
Gridded Population of the World (GPW) v4 (collection)

Yan, J., Jia, S., Lv, A., & Zhu, W. (2019). Water resources assessment of China's transboundary river basins using a machine learning approach. *Water Resources Research, 55*(1), 632-655.

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Gridded Population of the World (GPW) v4 (population count)

Yang, B., Borgert, B. A., Alto, B. W., Boohene, C. K., Brew, J., Deutsch, K., . . . Cummings, D. A. T. (2021).
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    interspecies competition. *PLoS Neglected Tropical Diseases, 15*(3), e0009063.
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Gridded Population of the World (GPW) v4.11 (population density)

Yang, H. (2022). Warming hotspots induced by more eddies. *Nature Climate Change, 12*, 889-890.
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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
REMOTE SENSING (Global Ocean Gridded L4 Sea Surface Heights and Derived Variables NRT)

Yang, H., Tao, W., Liu, Y., Qiu, M., Liu, J., Jiang, K., . . . Tao, S. (2019). The contribution of the Beijing,
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Gridded Population of the World (GPW) v4 (unspecified)

Yang, H., Tao, W., Wang, Y., Liu, Y., Liu, J., Zhang, Y., & Tao, S. (2019). Air quality and health impacts from
    the updated industrial emission standards in China. *Environmental Research Letters, 14*(12),
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Gridded Population of the World (GPW) v4 (population count)

Yang, J., Chen, Y., Wilson, J. P., Tan, H., Cao, J., & Xu, Z. (2020). Land cover pattern simulation using an
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Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
NASA REMOTE SENSING (SRTM)

Yang, L., Shen, F., Zhang, L., Cai, Y., Yi, F., & Zhou, C. (2021). Quantifying influences of natural and
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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)

Yang, S., Büttner, O., Jawitz, J. W., Kumar, R., Rao, P. S. C., & Borchardt, D. (2019). Spatial organization of
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Gridded Population of the World (GPW) v4.10 (population count UN WPP-adjusted) -
    10.7927/H4JQ0XZW

Yang, Y., & Tang, J. (2023). Substantial differences in compound long-duration dry and hot events over
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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Yao, F., Livneh, B., Rajagopalan, B., Wang, J., Crétaux, J.-F., Wada, Y., & Berge-Nguyen, M. (2023). Satellites reveal widespread decline in global lake water storage. *Science, 380*(6646), 743-749. doi:10.1126/science.abo2812
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (ICESat-1)
NASA REMOTE SENSING (ICESat-2)
REMOTE SENSING (CryoSat-2)
REMOTE SENSING (Envisat)
REMOTE SENSING (Jason)
REMOTE SENSING (SARAL)
REMOTE SENSING (Sentinel-3)

Yao, J. (2021). *Electricity Consumption and Temperature: Evidence from Satellite Data*. Retrieved from https://www.imf.org/en/Publications/WP/Issues/2021/02/05/Electricity-Consumption-and-Temperature-Evidence-from-Satellite-Data-50031
Gridded Population of the World (GPW) v4 (population count)
REMOTE SENSING (DMSP-OLS)

Yarragunta, Y., Srivastava, S., Mitra, D., & Chandola, H. C. (2021). Source apportionment of carbon monoxide over India: a quantitative analysis using MOZART-4. *Environmental Science and Pollution Research, 28*, 8722-8742. doi:10.1007/s11356-020-11099-y
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MOPITT CO)

Ye, B., Saito, T., Hirano, T., Dong, Z., Do, V. T., & Chiba, S. (2020). Human-geographic effects on variations in the population genetics of *Sinotaia quadrata* (Gastropoda: Viviparidae) that historically migrated from continental East Asia to Japan. *Ecology and Evolution, 10*(15), 8055-8072. doi:10.1002/ece3.6456
Gridded Population of the World (GPW) v4.11 (population density)
Last of the Wild v3 (Human Footprint, 2018 Release (2009))
Land Use and Land Cover (LULC) (Development Threat Index, v1)
Population Dynamics (Global Estimated Net Migration Grids By Decade, v1)

Yew, Y., Arcos González, P., & Castro Delgado, R. (2020). Real-time impact analysis and response using a new disaster metrics: 2018 Sulawesi (Indonesia) earthquake and tsunami. *Prehospital and Disaster Medicine, 35*(1), 76-82. doi:10.1017/S1049023X19005247
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ

Yew, Y. Y., Castro Delgado, R., Heslop, D. J., & Arcos González, P. (2019). The Yew Disaster Severity Index: A new tool in disaster metrics. *Prehospital and Disaster Medicine, 34*(1), 8-19. doi:10.1017/S1049023X18001115
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)

Yim, S. H. L., Wang, M. Y., Gu, Y., Yang, Y., Dong, G. H., & Li, Q. (2019). Effect of urbanization on ozone and resultant health effects in the Pearl River Delta region of China. *Journal of Geophysical Research: Atmospheres, 124*(21), 11568-11579. doi:10.1029/2019jd030562

Gridded Population of the World (GPW) v4 (unspecified)

Yin, C., Yang, F., Wang, J., & Ye, Y. (2020). Spatiotemporal distribution and risk assessment of heat waves based on apparent temperature in the One Belt and One Road Region. *Remote Sensing, 12*(7), 1174. doi:10.3390/rs12071174
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)
REMOTE SENSING (AVHRR GIMMS NDVI)
REMOTE SENSING (DMSP-OLS)

Yin, H., Brauer, M., Zhang, J., Cai, W., Navrud, S., Burnett, R., . . . Liu, Z. (2021). Population ageing and deaths attributable to ambient PM2.5 pollution: A global analysis of economic cost. *The Lancet Planetary Health, 5*(6), e356-e367. doi:10.1016/S2542-5196(21)00131-5
Gridded Population of the World (GPW) v4.11 (population count)

Yin, J., Gentine, P., Slater, L., Gu, L., Pokhrel, Y., Hanasaki, N., . . . Schlenker, W. (2023). Future socio-ecosystem productivity threatened by compound drought–heatwave events. *Nature Sustainability, 6*, 259-272. doi:10.1038/s41893-022-01024-1
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)
NASA REMOTE SENSING (GRACE)
NASA REMOTE SENSING (GRACE-FO)

Yin, J., Gentine, P., Zhou, S., Sullivan, S. C., Wang, R., Zhang, Y., & Guo, S. (2018). Large increase in global storm runoff extremes driven by climate and anthropogenic changes. *Nature Communications, 9*(1), 4389. doi:10.1038/s41467-018-06765-2
Gridded Population of the World (GPW) v4.10 (population density)
Global Reservoir and Dam (GRanD) v1.01 (reservoirs)

Yin, K., Wu, J., Wang, W., Lee, D.-H., & Wei, Y. (2023). An integrated resilience assessment model of urban transportation network: A case study of 40 cities in China. *Transportation Research Part A: Policy and Practice, 173*, 103687. doi:10.1016/j.tra.2023.103687
Gridded Population of the World (GPW) v4.11 (population density)

Yin, S. (2021). Decadal trends of MERRA-estimated PM2.5 concentrations in East Asia and potential exposure from 1990 to 2019. *Atmospheric Environment, 264*, 118690. doi:10.1016/j.atmosenv.2021.118690
Gridded Population of the World (GPW) v3 (unspecified)
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MERRA-2)

Yin, S. (2022). Decadal changes in PM2.5-related health impacts in China from 1990 to 2019 and implications for current and future emission controls. *Science of The Total Environment, 834*, 155334. doi:10.1016/j.scitotenv.2022.155334
Gridded Population of the World (GPW) v3 (unspecified)
Gridded Population of the World (GPW) v4 (unspecified)

Yin, S. (2023). Decadal changes in premature mortality associated with exposure to outdoor PM2.5 in mainland Southeast Asia and the impacts of biomass burning and anthropogenic emissions. *Science of The Total Environment, 854*, 158775. doi:10.1016/j.scitotenv.2022.158775

Gridded Population of the World (GPW) v3 (unspecified)
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MODIS)

Yin, S. (2023). Effect of biomass burning on premature mortality associated with long-term exposure to
     PM2.5 in Equatorial Asia. *Journal of Environmental Management, 330*, 117154.
     doi:10.1016/j.jenvman.2022.117154
Gridded Population of the World (GPW) v3 (unspecified)
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MODIS)

Yin, S. (2023). Spatiotemporal variation of PM2.5-related preterm birth in China and India during
     1990–2019 and implications for emission controls. *Ecotoxicology and Environmental Safety, 249*,
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Gridded Population of the World (GPW) v3 (unspecified)
Gridded Population of the World (GPW) v4 (unspecified)

Yin, X., Li, P., Feng, Z., Yang, Y., You, Z., & Xiao, C. (2021). Which gridded population data product Is
     better? Evidences from Mainland Southeast Asia (MSEA). *ISPRS International Journal of
     Geo-Information, 10*(10), 681. doi:10.3390/ijgi10100681
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)

You, H., Huang, Y., Qin, Z., Chen, J., & Liu, Y. (2022). Forest tree species classification based on Sentinel-2
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Gridded Population of the World (GPW) v4.11 (admin unit center points)
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Sentinel-2)

Yovovich, V., Robinson, N., Robinson, H., Manfredo, M. J., Perry, S., Bruskotter, J. T., . . . Elbroch, L. M.
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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW

Yoza-Mitsuishi, N., Sun, R., & Mathys, P. (2019). *Spectrum sharing between WLANs and fixed microwave
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     Symposium on Dynamic Spectrum Access Networks (DySPAN).
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -
     10.7927/H4F47M65
NASA REMOTE SENSING (ASTER GDEM)

Yu, B., Cui, B., Zang, Y., Wu, C., Zhao, Z., & Wang, Y. (2021). Long-term dynamics of different surface
     water body types and their possible driving factors in China. *Remote Sensing, 13*(6), 1154.
     doi:10.3390/rs13061154
Gridded Population of the World (GPW) v4.11 (Unspecified)
REMOTE SENSING (Landsat)

Yu, B., Lian, T., Huang, Y., Yao, S., Ye, X., Chen, Z., . . . Wu, J. (2019). Integration of nighttime light remote

sensing images and taxi GPS tracking data for population surface enhancement. *International Journal of Geographical Information Science, 33*(4), 687-706. doi:10.1080/13658816.2018.1555642
Gridded Population of the World (GPW) v4 (collection)

Yu, H., Wu, D., Piao, X., Zhang, T., Yan, Y., Tian, Y., . . . Xuefeng, C. (2021). Reduced impacts of heat extremes from limiting global warming to under 1.5 ℃ or 2 ℃ over Mediterranean regions. *Environmental Research Letters, 16*(1), 014034. doi:10.1088/1748-9326/abd132
Gridded Population of the World (GPW) v4.11 (population density)

Yu, P., Xu, R., Coelho, M. S. Z. S., Saldiva, P. H. N., Li, S., Zhao, Q., . . . Guo, Y. (2021). The impacts of long-term exposure to PM2.5 on cancer hospitalizations in Brazil. *Environment International, 154*, 106671. doi:10.1016/j.envint.2021.106671
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted)

Yu, Q., You, L., Wood-Sichra, U., Ru, Y., Joglekar, A. K. B., Fritz, S., . . . Yang, P. (2020). A cultivated planet in 2010 – Part 2: The global gridded agricultural-production maps. *Earth System Science Data, 12*, 3545-3572. doi:10.5194/essd-12-3545-2020
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)

Yuan, B., Wang, Z., & Li, J. (2020). Social vulnerability and infant mortality in space dimension: an investigation of the world's most underdeveloped West Africa coastal area. *International Journal of Human Rights in Healthcare, 13*(3), 239-248. doi:10.1108/IJHRH-10-2019-0077
Gridded Population of the World (GPW) v4 (unspecified)
Poverty Mapping (Global Subnational Infant Mortality Rates, v2) - 10.7927/H4PN93JJ
West Africa Coastal Vulnerability Mapping (Social Vulnerability Indices, v1) - 10.7927/H4H41PCK

Yuan, Z., Jiang, S., Sheng, H., Liu, X., Hua, H., Liu, X., & Zhang, Y. (2018). Human perturbation of the global phosphorus cycle: Changes and consequences. *Environmental Science & Technology, 52*(5), 2438-2450. doi:10.1021/acs.est.7b03910
Gridded Population of the World (GPW) v4 (population count)

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Gridded Population of the World (GPW) v4.10 (population density) - 10.7927/H4DZ068D

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NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (MOPITT CO)

NASA REMOTE SENSING (OMI)

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Global Reservoir and Dam (GRanD) v1.01 (dams)
NASA REMOTE SENSING (AVHRR)
NASA REMOTE SENSING (MODIS - MCD12Q1)
REMOTE SENSING (MERIS)
REMOTE SENSING (SPOT VGT)

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NASA REMOTE SENSING (MODIS)

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NASA REMOTE SENSING (OMI NO2)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

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Digital Elevation Data Collection (DEDC) (Altimeter Corrected Elevations (ACE2), v2)
Gridded Population of the World (GPW) v4.11 (basic demographic characteristics)
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (OMI NO2)

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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)
NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Sentinel-2)

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Population Dynamics (Global 1-km Downscaled Population Base Year and Projection Grids Based on the
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Gridded Population of the World (GPW) v4.11 (population count)

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Gridded Population of the World (GPW) v4 (collection)
Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) with GWR, v1)

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Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) with GWR, v1)

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Global Agricultural Lands (Cropland)
Gridded Population of the World (GPW) v4.11 (population density)
Last of the Wild v3 (Human Footprint, 2018 Release (2009))

Zhang, L., Yang, L., Zohner, C., M., Crowther, T., W., Li, M., Shen, F., . . . Zhou, C. (2022). Direct and indirect impacts of urbanization on vegetation growth across the world's cities. *Science Advances, 8*(27), eabo0095. doi:10.1126/sciadv.abo0095
Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

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NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)
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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
REMOTE SENSING (SCIAMACHY)

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NASA REMOTE SENSING (OMI SO2)

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Gridded Population of the World (GPW) v4.10 (admin unit center points)
NASA REMOTE SENSING (MODIS NDVI)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4.10 (population density)
NASa REMOTE SENSING (MODIS)

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NASA REMOTE SENSING (MODIS)

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NASA REMOTE SENSING (MODIS)

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Last of the Wild v3 (Human Footprint, 2018 Release (2009))
Land Use and Land Cover (LULC) (Global Human Modification of Terrestrial Systems, v1)

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Gridded Population of the World (GPW) v4.11 (population density)

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Gridded Population of the World (GPW) v4 (population density)
NASA REMOTE SENSING (MODIS - MCD12Q1)
REMOTE SENSING (VIIRS)

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Gridded Population of the World (GPW) v4 (population density)

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Gridded Population of the World (GPW) v4.11 (population density)

Zhao, F., Veldkamp, T. I. E., Frieler, K., Schewe, J., Ostberg, S., Willner, S., . . . Yamazaki, D. (2017). The critical role of the routing scheme in simulating peak river discharge in global hydrological models. *Environmental Research Letters, 12*(7), 14pp. doi:10.1088/1748-9326/aa7250
Gridded Population of the World (GPW) v4 (collection)

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Gridded Population of the World (GPW) v4 (unspecified)

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aerosol optical depth with different particle size and shape in Northeast China from 2001 to 2018. *Science of The Total Environment, 763*, 142979. doi:10.1016/j.scitotenv.2020.142979
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (MISR)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

Zhao, M., Cheng, C., Zhou, Y., Li, X., Shen, S., & Song, C. (2022). A global dataset of annual urban extents (1992-2020) from harmonized nighttime lights. *Earth System Science Data, 14*, 517-534. doi:10.5194/essd-14-517-2022
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS - MOD44W)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

Zhao, N., Cao, G., Zhang, W., Samson, E. L., & Chen, Y. (2020). Remote sensing and social sensing for socioeconomic systems: A comparison study between nighttime lights and location-based social media at the 500 m spatial resolution. *International Journal of Applied Earth Observation and Geoinformation, 87*, 102058. doi:10.1016/j.jag.2020.102058
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted) - 10.7927/H49884ZR
NASA REMOTE SENSING (MODIS - MCD12Q1)
REMOTE SENSING (VIIRS DNB)

Zhao, N., Zhang, W., Liu, Y., Samson, E. L., Chen, Y., & Cao, G. (2019). Improving nighttime light imagery with location-based social media data. *IEEE Transactions on Geoscience and Remote Sensing, 57*(4), 2161-2172. doi:10.1109/TGRS.2018.2871788
Gridded Population of the World (GPW) v4.10 (population density UN WPP-adjusted) - 10.7927/H49884ZR
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS DNB)

Zhao, S., Liu, Y., Zhang, R., & Fu, B. (2020). China's population spatialization based on three machine learning models. *Journal of Cleaner Production, 256*, 120644. doi:10.1016/j.jclepro.2020.120644
Gridded Population of the World (GPW) v4 (unspecified)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (VIIRS)

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Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted)
NASA REMOTE SENSING (MERRA-2)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5
Land Use and Land Cover (LULC) (Global Human Modification of Terrestrial Systems, v1) - 10.7927/edbc-3z60

Zheng, B., Geng, G., Ciais, P., Davis, S. J., Martin, R. V., Meng, J., . . . Zhang, Q. (2020). Satellite-based estimates of decline and rebound in China's CO_2 emissions during COVID-19 pandemic. *Science Advances, 6*(49), eabd4998. doi:10.1126/sciadv.abd4998
Gridded Population of the World (GPW) v4.11 (population count UN WPP-adjusted) - 10.7927/H4PN93PB
REMOTE SENSING (TROPOMI)

Zheng, B., Zhang, Q., Geng, G., Chen, C., Shi, Q., Cui, M., . . . He, K. (2021). Changes in China's anthropogenic emissions and air quality during the COVID-19 pandemic in 2020. *Earth System Science Data, 13*(6), 2895-2907. doi:10.5194/essd-13-2895-2021
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) - 10.7927/H4F47M65

Zheng, D., Yin, G., Liu, M., Hou, L., Yang, Y., Van Boeckel, T. P., . . . Li, Y. (2022). Global biogeography and projection of soil antibiotic resistance genes. *Science Advances, 8*(46), eabq8015. doi:10.1126/sciadv.abq8015
Gridded Population of the World (GPW) v4 (population density UN WPP-adjusted)
Last of the Wild v2 Global Human Influence Index (Geographic)
Land Use and Land Cover (LULC) (Development Threat Index, v1)
Land Use and Land Cover (LULC) (Global Human Modification of Terrestrial Systems, v1)
PEST-CHEMGRIDS
NASA REMOTE SENSING (Compilation of Global Soil Microbial Biomass Carbon, Nitrogen, and Phosphorus Data - ORNL)

Zhong, C., Guo, H., Swan, I., Gao, P., Yao, Q., & Li, H. (2023). Evaluating trends, profits, and risks of global cities in recent urban expansion for advancing sustainable development. *Habitat International, 138*, 102869. doi:10.1016/j.habitatint.2023.102869
Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ
Global Rural-Urban Mapping Project (GRUMP) v1.02 (urban extent polygons) - 10.7927/np6p-qe61
Global High Resolution Urban Data from Landsat (GMIS) - 10.7927/H4P55KKF

Zhong, J., Zhang, X., Gui, K., Liao, J., Fei, Y., Jiang, L., . . . Zhou, Z. (2022). Reconstructing 6-hourly PM2.5 datasets from 1960 to 2020 in China. *Earth System Science Data, 14*, 3197-3211. doi:10.5194/essd-14-3197-2022
Gridded Population of the World (GPW) v4.11 (population count)
NASA REMOTE SENSING (MODIS NDVI)

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Gridded Population of the World (GPW) v4.11 (population count)

Zhong, Y., Dubois, N., Xiong, J., Deng, C., Zhang, H., Xiao, W., . . . Li, Y. (2022). Jet transitions caused multiple abrupt droughts in the Asian summer monsoon margin during Holocene times. *Palaeogeography, Palaeoclimatology, Palaeoecology, 601*, 111106. doi:10.1016/j.palaeo.2022.111106
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NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (population density) map

Zhou, L., Shen, G., Wu, Y., Brown, R., Chen, T., & Wang, C. (2018). Urban form, growth, and accessibility in space and time: Anatomy of land use at the parcel-level in a small to medium-sized American city. *Sustainability, 10*(12), 4572. doi:10.3390/su10124572
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Zhou, M., Liu, H., Peng, L., Qin, Y., Chen, D., Zhang, L., & Mauzerall, D. L. (2022). Environmental benefits and household costs of clean heating options in northern China. *Nature Sustainability, 5*, 329-338. doi:10.1038/s41893-021-00837-w
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Gridded Population of the World (GPW) v4 (population density) - 10.7927//H4NP22DQ

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NASA REMOTE SENSING (MODIS)

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Zhou, Y., Li, X., Chen, W., Meng, L., Wu, Q., Gong, P., & Seto, K. C. (2022). Satellite mapping of urban
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REMOTE SENSING (Sentinel-1 Ground Range Detected)

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Gridded Population of the World (GPW) v1
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Global Rural-Urban Mapping Project (GRUMP) v1

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REMOTE SENSING (DMSP-OLS)

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NASA REMOTE SENSING (GRACE)

NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v4 (admin unit center points with population estimates) - 10.7927/H4F47M2C
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Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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NASA REMOTE SENSING (SRTM)

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REMOTE SENSING (Landsat)

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Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006)

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Gridded Population of the World (GPW) v4.11 (population count) - 10.7927/H4JW8BX5

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