Listed below are known citations to the NASA Socioeconomic Data and Applications Center (SEDAC) *Global Rural-Urban Mapping Project (GRUMP)* 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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Gridded Population of the World (GPW) v3 (population count)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)
Poverty Mapping (Global Subnational Prevalence of Child Malnutrition, v1)
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Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

Low Elevation Coastal Zone (LECZ) (Urban-Rural Population and Land Area Estimates, v2)
Poverty Mapping (Global Subnational Prevalence of Child Malnutrition, v1) - 10.7927/H4K64G12
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Gridded Population of the World (GPW) v3 (admin boundaries)
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REMOTE SENSING (VIIRS NTL)

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Global Agricultural Lands (collection)
Anthropogenic Biomes of the World (collection)
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)
NASA REMOTE SENSING (ISCCP)
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REMOTE SENSING (DMSP-OLS)

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REMOTE SENSING (DMSP-OLS)

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NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (LIS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (MODIS Vegetation Continuous Fields)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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REMOTE SENSING (Landsat ETM)

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper)
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Global Rural-Urban Mapping Project (GRUMP) v1 (National Administrative Boundaries)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS - MOD13Q1)
NASA REMOTE SENSING (MODIS - MOD17A2H)
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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93

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NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (DMSP-OLS)

Brandt, A. R., Millard-Ball, A., Ganser, M., & Gorelick, S. M. (2013). Peak oil demand: The role of fuel efficiency and alternative fuels in a global oil production decline. *Environmental Science & Technology, 47*(14), 8031-8041. doi:10.1021/es401419t
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NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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

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Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H
NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)
Socioeconomic Downscaled Projections (Country-Level Population and Downscaled Projections Based on the SRES B2 Scenario, v1)

Butchart, S. H. M., Clarke, M., Smith, R. J., Sykes, R. E., Scharlemann, J. P. W., Harfoot, M., . . . Burgess, N. D. (2015). Shortfalls and solutions for meeting national and global conservation area targets. *Conservation Letters, 8*(5), 329-337. doi:10.1111/conl.12158
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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (TRMM)

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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
NASA REMOTE SENSING (MODIS)

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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)

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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)
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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)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Cardinale, B. J., Gonzalez, A., Allington, G. R. H., & Loreau, M. (2018). Is local biodiversity declining or not? A summary of the debate over analysis of species richness time trends. *Biological Conservation, 219*, 175-183. doi:10.1016/j.biocon.2017.12.021
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Carrel, M., & Emch, M. (2013). Genetics: A new landscape for medical geography. *Annals of the American Association of Geographers, 103*(6), 1452-1467. doi:10.1080/00045608.2013.784102
Gridded Population of the World (GPW) v3 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Natural Disaster Hotspots (collection)

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)

Castells-Quintana, D., Lopez-Uribe, M. d. P., & McDermott, T. K. J. (2021). *Population Displacement and Urban Conflict: Global Evidence from more than 3300 Flood Events*. Retrieved from http://hdl.handle.net/1992/49963
Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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

Cecchi, G., Wint, G. R. W., Shaw, A., Marletta, A., Mattioli, R., & Robinson, T. P. (2010). Geographic distribution and environmental characterization of livestock production systems in Eastern Africa. *Agriculture, Ecosystems & Environment, 135*(1-2), 98-110. doi:10.1016/j.agee.2009.08.011
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Center for International Earth Science Information Network (CIESIN). (2011). *MR4: Estimating net migration by ecosystem and by decade: 1970–2010*. Retrieved from London: http://webarchive.nationalarchives.gov.uk/20121212135622/http://bis.gov.uk/assets/foresight/docs/migration/modelling/11-1166-mr4-estimating-net-migration-by-ecosystem-decade.pdf

China Dimensions (China County-Level Data on Population (Census) and Agriculture, Keyed to 1:1M GIS Map)

Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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

Cervigni, R., Morris, M., Scandizzo, P., Savastano, S., Paolantonio, A., Alfani, F., . . . Behnke, R. (2016). Vulnerability in drylands today. In R. Cervigni & M. Morris (Eds.), *Confronting Drought in Africa's Drylands: Opportunities for Enhancing Resilience* (pp. 49-64). Washington DC: Agence Française de Développement and World Bank.
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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

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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)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93

Chaiban, C., Da Re, D., Robinson, T. P., Gilbert, M., & Vanwambeke, S. O. (2021). Poultry farm distribution models developed along a gradient of intensification. *Preventive Veterinary Medicine, 186*, 105206. doi:10.1016/j.prevetmed.2020.105206
Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006)

Chamberlin, J., Jayne, T. S., & Headey, D. (2014). Scarcity amidst abundance? Reassessing the potential for cropland expansion in Africa. *Food Policy, 48*, 51-65. doi:10.1016/j.foodpol.2014.05.002
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Chammartin, F., Houngbedji, C. A., Hürlimann, E., Yapi, R. B., Silué, K. D., Soro, G., . . . Vounatsou, P. (2014). Bayesian risk mapping and model-based estimation of *Schistosoma haematobium–Schistosoma mansoni* co-distribution in Côte d'Ivoire. *PLoS Neglected Tropical Diseases, 8*(12), e3407. doi:10.1371/journal.pntd.0003407
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Last of the Wild v2 Global Human Influence Index (Geographic)
NASA REMOTE SENSING (MODIS)

Chan, S. K., Bindlish, R., O'Neill, P., Jackson, T., Njoku, E., Dunbar, S., . . . Kerr, Y. (2018). Development and assessment of the SMAP enhanced passive soil moisture product. *Remote Sensing of Environment, 204*, 931-941. doi:10.1016/j.rse.2017.08.025
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS) (MOD44W, MCD12Q1, MOD13A2)
NASA REMOTE SENSING (SMAP)

Chao, D. L., Halstead, S. B., Halloran, M. E., & Longini, I. M., Jr. (2012). Controlling Dengue with vaccines in Thailand. *PLoS Neglected Tropical Diseases, 6*(10), e1876. doi:10.1371/journal.pntd.0001876
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Chao, D. L., Longini, I. M., Jr., & Halloran, M. E. (2013). The effects of vector movement and distribution in a mathematical model of dengue transmission. *PLoS ONE, 8*(10), e76044. doi:10.1371/journal.pone.0076044
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
NASA REMOTE SENSING (GLAS LIDAR)
NASA REMOTE SENSING (MODIS Land cover (MCD12Q1))

Charpe, M. (2019). *Local Mulipliers in a Selection of Sub-Saharan Countries*. Retrieved from Geneva: https://www.ilo.org/employment/Whatwedo/Projects/sector-trade-policies/WCMS_723226/lang--en/index.htm
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

Chen, L., Hasan, R., & Jiang, Y. (2020). *Urban Agglomeration and Firm Innovation: Evidence from Asia*. Retrieved from https://www.adb.org/sites/default/files/institutional-document/575671/ado2020bp-urban-agglomeration-firm-innovation-asia.pdf
Global Rural-Urban Mapping Project (GRUMP) v1.01 (settlement points)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

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, X. (2016). Using nighttime lights data as a proxy in social scientific research. In F. M. Howell, J. R. Porter, & S. A. Matthews (Eds.), *Recapturing Space: New Middle-Range Theory in Spatial Demography* (Vol. 1, pp. 301-323): Springer International Publishing.
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)
Poverty Mapping (Small Area Estimates of Poverty and Inequality, v1)
REMOTE SENSING (DMSP-OLS)

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, 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)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (QuikSCAT)

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REMOTE SENSING (AVHRR NDVI)

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Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Satellite-Derived Environmental Indicators (Global Urban Heat Island (UHI) Data Set, v1)- 10.7927/H4H70CRF
NASA REMOTE SENSING (OCO)

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Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)
Socioeconomic Downscaled Projections (collection)

Darrigran, G., Agudo-Padrón, I., Baez, P., Belz, C., Cardoso, F., Carranza, A., . . . Damborenea, C. (2020). Non-native mollusks throughout South America: emergent patterns in an understudied continent. *Biological Invasions, 22*, 853-871. doi:10.1007/s10530-019-02178-4
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NASA REMOTE SENSING (SRTM)
REMOTE SENSING (MERIS GlobCover)

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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)
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NASA REMOTE SENSING (MODIS)

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REMOTE SENSING (DMSP-OLS)

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REMOTE SENSING (DMSP-OLS)

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Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
NASA REMOTE SENSING (MODIS)

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NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Satellite-Derived Environmental Indicators (Global Annual Average PM2.5 Grids from MODIS and MISR Aerosol Optical Depth (AOD), v1)

de Sherbinin, A. M. (2017). Remote sensing and socioeconomic data integration: Lessons from the NASA Socioeconomic Data and Applications Center. In D. A. Quattrochi, E. Wentz, N. S.-N. Lam,

& C. W. Emerson (Eds.), *Integrating Scale in Remote Sensing and GIS* (pp. 371-388): CRC Press.
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)

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Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Natural Disaster Hotspots (cyclone hazard frequency and distribution)
National Aggregates of Geospatial Data Collection (NAGDC) (Population, Landscape, And Climate Estimates (PLACE), v3)
Population Dynamics (Global Estimated Net Migration Grids By Decade, v1)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
Natural Disaster Hotspots (collection)

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NASA REMOTE SENSING (LIS/OTD)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Poverty Mapping (Global Subnational Prevalence of Child Malnutrition, v1)
NASA REMOTE SENSING (MODIS EVI)

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REMOTE SENSING (DMSP-OLS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
REMOTE SENSING (DMSP-OLS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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

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

Denier van der Gon, H., Visschedijk, A., van den Brugh, H., & Dröge, R. (2010). *A High Resolution European Emission Data Base for the Year 2005*. Retrieved from Dessau-Roßlau, Germany: http://www.umweltbundesamt.de/sites/default/files/medien/461/publikationen/texte_41_2013_appelhans_e03_komplett_0.pdf
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Denis, E., & Moriconi-Ebrard, F. (2009). La croissance urbaine en Afrique de l'Ouest. *La Chronique du CEPED, 57*, 1-5. Retrieved from http://halshs.archives-ouvertes.fr/halshs-00371263/
Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

Deribe, K., Cano, J., Newport, M. J., Golding, N., Pullan, R. L., Sime, H., . . . Brooker, S. J. (2015). Mapping and modelling the geographical distribution and environmental limits of Podoconiosis in Ethiopia. *PLoS Neglected Tropical Diseases, 9*(7), e0003946. doi:10.1371/journal.pntd.0003946
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (SRTM)

Deville, P., Linard, C., Martin, S., Gilbert, M., Stevens, F. R., Gaughan, A. E., . . . Tatem, A. J. (2014). Dynamic population mapping using mobile phone data. *Proceedings of the National Academy of Sciences, 111*(45), 15888-15893. doi:10.1073/pnas.1408439111
Gridded Population of the World (GPW) v2
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Dhewantara, P. W., Mamun, A. A., Zhang, W.-Y., Yin, W.-W., Ding, F., Guo, D., . . . Soares Magalhães, R. J. (2018). Geographical and temporal distribution of the residual clusters of human leptospirosis in China, 2005–2016. *Scientific Reports, 8*(1), 16650. doi:10.1038/s41598-018-35074-3
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Dhewantara, P. W., Zhang, W., Al Mamun, A., Yin, W.-W., Ding, F., Guo, D., . . . Soares Magalhães, R. J. (2020). Spatial distribution of leptospirosis incidence in the Upper Yangtze and Pearl River Basin, China: Tools to support intervention and elimination. *Science of The Total Environment, 725*, 138251. doi:10.1016/j.scitotenv.2020.138251
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)

Dijkstra, L., Florczyk, A. J., Freire, S., Kemper, T., Melchiorri, M., Pesaresi, M., & Schiavina, M. (2021). Applying the Degree of Urbanisation to the globe: A new harmonised definition reveals a different picture of global urbanisation. *Journal of Urban Economics, 125*, 103312. doi:10.1016/j.jue.2020.103312
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

Dimitrova, A. K., Marois, G., Kiesewetter, G., Samir, K. C., Rafaj, P., & Tonne, C. (2021). Health impacts of fine particles under climate change mitigation, air quality control, and demographic change in India. *Environmental Research Letters, 16*(5), 054025. doi:10.1088/1748-9326/abe5d5
Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
NASA REMOTE SENSING (MODIS)

Dolan, C. B., BenYishay, A., Grépin, K. A., Tanner, J. C., Kimmel, A. D., Wheeler, D. C., & McCord, G. C. (2019). The impact of an insecticide treated bednet campaign on all-cause child mortality: A geospatial impact evaluation from the Democratic Republic of Congo. *PLoS ONE, 14*(2), e0212890. doi:10.1371/journal.pone.0212890
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (DMSP-OLS)

Dong, N., Yang, X., Cai, H., & Xu, F. (2017). Research on grid size suitability of gridded population distribution in urban area: A case study in urban area of Xuanzhou District, China. *PLoS ONE, 12*(1), e0170830. doi:10.1371/journal.pone.0170830
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Dong, Y., Varquez, A. C. G., & Kanda, M. (2017). Global anthropogenic heat flux database with high spatial resolution. *Atmospheric Environment, 150*, 276-294. doi:10.1016/j.atmosenv.2016.11.040
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
REMOTE SENSING (DMSP-OLS)

Doocy, S., Gorokhovich, Y., Burnham, G., Balk, D., & Robinson, C. (2007). Tsunami mortality estimates and vulnerability mapping in Aceh, Indonesia. *American Journal of Public Health, 97*(Supplement 1), S146-s151. doi:10.2105/AJPH.2006.095240
Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

Dorélien, A., Balk, D., & Todd, M. (2013). What is urban? Comparing a satellite view with the demographic and health surveys. *Population and Development Review, 39*(3), 413-439. doi:10.1111/j.1728-4457.2013.00610.x
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

Dorosh, P., Wang, H.-G., & You, L. (2010). *Crop Production and Road Connectivity in Sub-Saharan Africa: A Spatial Analysis*. Retrieved from Washington DC: http://hdl.handle.net/10986/3869
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (settlement points) - 10.7927/H4BC3WG1

Douglas, E., Wood, S., Sebastian, K., Vörösmarty, C., Chomitz, K., & Tomich, T. (2007). Policy implications of a pan-tropic assessment of the simultaneous hydrological and biodiversity impacts of deforestation. *Water Resources Management, 21*(1), 211-232. doi:10.1007/s11269-006-9050-2
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

Doupe, P., Bruzelius, E., Faghmous, J., & Ruchman, S. G. (2016). *Equitable development through deep learning: The case of sub-national population density estimation*. Paper presented at the Proceedings of the 7th Annual Symposium on Computing for Development, Nairobi, Kenya. https://doi.org/10.1145/3001913.3001921
GPW (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (Landsat 7)
REMOTE SENSING (DMSP-OLS)

Dreher, A., Fuchs, A., Hodler, R., Parks, B. C., Raschky, P. A., & Tierney, M. J. (2014). *Aid on Demand: African Leaders and the Geography of China's Foreign Assistance*. Retrieved from Williamsburg VA: http://aiddata.org/sites/default/files/wps3_aid_on_demand_african_leaders_and_the_geography_of_chinas_foreign_assistance.pdf
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1
REMOTE SENSING (DMSP-OLS)

Duan, Y., Shao, X., Shi, Y., Miyazaki, H., Iwao, K., & Shibasaki, R. (2015). Unsupervised global urban area mapping via automatic labeling from ASTER and PALSAR satellite images. *Remote Sensing, 7*(2), 2171-2192. doi:10.3390/rs70202171

Global Rural-Urban Mapping Project (GRUMP) alpha (settlement points)
NASA REMOTE SENSING (ASTER)
REMOTE SENSING (PALSAR)

Dube, S., Scholes, R., Nelson, G. C., Mason-D'Croz, D., & Palazzo, A. (2013). South African food security and climate change: Agriculture Futures. *Economics Discussion Papers, Kiel Institute for the World Economy*(2013-12), 54. Retrieved from http://www.economics-ejournal.org/economics/discussionpapers/2013-12
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

Dube, Y. P., Ruktanonchai, C. W., Sacoor, C., Tatem, A. J., Munguambe, K., Boene, H., . . . Makanga, P. T. (2019). How accurate are modelled birth and pregnancy estimates? Comparison of four models using high resolution maternal health census data in southern Mozambique. *BMJ Global Health, 4*(Suppl 5), e000894. doi:10.1136/bmjgh-2018-000894
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) map

Duran, S., Gutierrez, M. A., & Keskinocak, P. (2011). Pre-positioning of emergency items for CARE International. *Interfaces, 41*(3), 223-237. doi:10.1287/inte.1100.0526
Global Rural-Urban Mapping Project (GRUMP) alpha (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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capacities. *Nature Communications, 7*(12485). doi:10.1038/ncomms12485
Global Rural-Urban Mapping Project (GRUMP) v1 (land and geographic area grids)

Eckhoff, P. (2012). Malaria parasite diversity and transmission intensity affect development of parasitological immunity in a mathematical model. *Malaria Journal, 11*(1), 419. doi:10.1186/1475-2875-11-419
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

Edmonds, C., Wiegand, M., Koomen, E., Pradhan, M., & Andrée, B. P. J. (2018). The impact of road development on household welfare in rural Papua New Guinea. In N. Yoshino, M. Helble, & U. Abidhadjaev (Eds.), *Financing Infrastructure in Asia: Capturing Impacts and New Sources* (pp. 189-235). Tokyo: Asian Development Bank Institute.
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Gridded Population of the World (GPW) v4 (collection)
Poverty Mapping (Poverty and Food Security Case Studies, v1)

Edmonds, D. A., Caldwell, R. L., Brondizio, E. S., & Siani, S. M. O. (2020). Coastal flooding will disproportionately impact people on river deltas. *Nature Communications, 11*(1), 4741. doi:10.1038/s41467-020-18531-4
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
REMOTE SENSING (IKONOS)

Ellis, P., & Roberts, M. (2015). Leveraging urbanization for greater prosperity and livability. In P. Ellis & M. Roberts (Eds.), *Leveraging Urbanization in South Asia: Managing Spatial Transformation for Prosperity and Livability* (pp. 21-41). Washington World Bank.
Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

Elvidge, C. D., Safran, J., Tuttle, B., Sutton, P. C., Cinzano, P., Pettit, D., . . . Small, C. (2007). Potential for global mapping of development via a nightsat mission. *GeoJournal, 69*(1), 45-53. doi:10.1007/s10708-007-9104-x
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
REMOTE SENSING (DMSP-OLS)

Elyazar, I. R. F., Gething, P. W., Patil, A. P., Rogayah, H., Kusriastuti, R., Wismarini, D. M., . . . Hay, S. I. (2011). *Plasmodium falciparum* malaria endemicity in Indonesia in 2010. *PLoS ONE, 6*(6), e21315. doi:10.1371/journal.pone.0021315
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

Elyazar, I. R. F., Gething, P. W., Patil, A. P., Rogayah, H., Sariwati, E., Palupi, N. W., . . . Hay, S. I. (2012). *Plasmodium vivax* malaria endemicity in Indonesia in 2010. *PLoS ONE, 7*(5), e37325. doi:10.1371/journal.pone.0037325
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

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China Dimensions (collection)
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Englhardt, J., de Moel, H., Huyck, C. K., de Ruiter, M. C., Aerts, J. C. J. H., & Ward, P. J. (2019). Enhancement of large-scale flood risk assessments using building-material-based vulnerability curves for an object-based approach in urban and rural areas. *Natural Hazards and Earth System Sciences, 19*(8), 1703-1722. doi:10.5194/nhess-19-1703-2019
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
NASA REMOTE SENSING (MODIS)

Eppler, U., Fritsche, U. R., & Laaks, S. (2015). *Urban-Rural Linkages and Global Sustainable Land Use: GLOBALANDS Issue Paper*. Retrieved from Berlin: http://www.iinas.org/tl_files/iinas/downloads/land/IINAS_2015_Urban-Rural_Linkages_Issue_Paper.pdf
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points map)

Erdozain, M., Freeman, E. C., Ouellet Dallaire, C., Teichert, S., Nelson, H., & Creed, I. F. (2019). Demand for provisioning ecosystem services as a driver of change in the Canadian boreal zone. *Environmental Reviews, 27*(2), 166-184. doi:10.1139/er-2018-0064

Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

España, G., Grefenstette, J., Perkins, A., Torres, C., Campo Carey, A., Diaz, H., . . . van Panhuis, W. G. (2018). Exploring scenarios of chikungunya mitigation with a data-driven agent-based model of the 2014–2016 outbreak in Colombia. *Scientific Reports, 8*(1), 12201. doi:10.1038/s41598-018-30647-8
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

Falchetta, G., Noussan, M., & Hammad, A. T. (2021). Comparing paratransit in seven major African cities: An accessibility and network analysis. *Journal of Transport Geography, 94*, 103131. doi:10.1016/j.jtrangeo.2021.103131
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)
NASA REMOTE SENSING (ASTER)
REMOTE SENSING (Landsat)

Fan, J., Ma, T., Zhou, C., Zhou, Y., & Xu, T. (2014). Comparative estimation of urban development in China's cities using socioeconomic and DMSP/OLS night light data. *Remote Sensing, 6*(8), 7840-7856. doi:10.3390/rs6087840
Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)
REMOTE SENSING (DMSP-OLS)

Fan, Y., Zhu, X., He, Z., Zhang, S., Gao, J., Chen, F., . . . Li, J. (2017). Urban expansion assessment in Huaihe River Basin, China, from 1998 to 2013 using remote sensing data. *Journal of Sensors, 2017*, 10pp. doi:10.1155/2017/9281201

Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (SPOT VGT)

Fang, Y., & Jawitz, J. W. (2018). High-resolution reconstruction of the United States human population distribution, 1790 to 2010. *Scientific Data, 5*, 180067. doi:10.1038/sdata.2018.67
Gridded Population of the World (GPW) v2 (Deichmann, Balk, & Yetman 2001)
Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006)

Fang, Y., & Jawitz, J. W. (2019). The evolution of human population distance to water in the USA from 1790 to 2010. *Nature Communications, 10*(1), 430. doi:10.1038/s41467-019-08366-z
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Fasel, M., Bréthaut, C., Rouholahnejad, E., Lacayo-Emery, M. A., & Lehmann, A. (2016). Blue water scarcity in the Black Sea catchment: Identifying key actors in the water-ecosystem-energy-food nexus. *Environmental Science & Policy, 66*, 140-150. doi:10.1016/j.envsci.2016.09.004
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

Fehlenberg, V., Baumann, M., Gasparri, N. I., Piquer-Rodriguez, M., Gavier-Pizarro, G., & Kuemmerle, T. (2017). The role of soybean production as an underlying driver of deforestation in the South American Chaco. *Global Environmental Change, 45*, 24-34. doi:10.1016/j.gloenvcha.2017.05.001
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Feng, C., Li, R., Shamim, A. A., Ullah, M. B., Li, M., Dev, R., . . . Hao, Y. (2021). High-resolution mapping of reproductive tract infections among women of childbearing age in Bangladesh: a spatial-temporal analysis of the demographic and health survey. *BMC Public Health, 21*(1), 342. doi:10.1186/s12889-021-10360-4
Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)
Last of the Wild v2 Global Human Influence Index (Geographic)
NASA REMOTE SENSING (MODIS)

Ferré, C., Ferreira, F. H. G., & Lanjouw, P. (2012). Is there a metropolitan bias? The relationship between poverty and city size in a selection of developing countries. *The World Bank Economic Review, 26*(3), 351-382. doi:10.1093/wber/lhs007
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

Ferreira, J., Guevara, M., Baldasano, J. M., Tchepel, O., Schaap, M., Miranda, A. I., & Borrego, C. (2013). A comparative analysis of two highly spatially resolved European atmospheric emission inventories. *Atmospheric Environment, 75*, 43-57. doi:10.1016/j.atmosenv.2013.03.052
Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Filion, A., Sundaram, M., & Stephens, P. R. (2023). Preliminary investigation of Schmalhausen's Law in a directly transmitted pathogen outbreak system. *Viruses, 15*(2), 310. doi:10.3390/v15020310
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Firestone, S. M., Cogger, N., Ward, M. P., Toribio, J.-A. L. M. L., Moloney, B. J., & Dhand, N. K. (2012). The influence of meteorology on the spread of influenza: Survival analysis of an equine influenza (A/H3N8) outbreak. *PLoS ONE, 7*(4), e35284. doi:10.1371/journal.pone.0035284
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

Fleitas Girett, A., Wassenaar, T., & Pabon-Pereira, C. (2023). Assessing nutrient circularity capacity in South American metropolitan areas. *Resources, Conservation and Recycling, 197*, 107085. doi:10.1016/j.resconrec.2023.107085
Global Rural-Urban Mapping Project (GRUMP) v1.02 (urban extent polygons)

Florczyk, A. J., Melchiorri, M., Corbane, C., Schiavina, M., Maffenini, M., Pesaresi, M., . . . Zanchetta, L. (2019). *Description of the GHS Urban Centre Database 2015, Public Release 2019, Version 1.0*. Retrieved from https://doi.org/10.2760/037310
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points) - 10.7927/H4M906KR
Satellite-Derived Environmental Indicators (Global Annual PM2.5 Grids from MODIS, MISR and SeaWiFS Aerosol Optical Depth (AOD) with GWR, v1) - 10.7927/H4ZK5DQS
REMOTE SENSING (ALOS Global Digital Surface Model - ALOS World 3D - 30m (AW3D30))
REMOTE SENSING (Landsat)

Florczyk, A. J., Melchiorri, M., Zeidler, J., Corbane, C., Schiavina, M., Freire, S., . . . Pesaresi, M. (2020). The Generalised Settlement Area: mapping the Earth surface in the vicinity of built-up areas. *International Journal of Digital Earth, 13*(1), 45-60. doi:10.1080/17538947.2018.1550121
Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)
Global High Resolution Urban Data from Landsat (HBASE)
REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-1)
REMOTE SENSING (Terra SAR-X (TSX))

Florida, R. (2005). The world is spiky. *The Atlantic, 296(3),* 48-51. Retrieved from https://www.theatlantic.com/past/docs/images/issues/200510/world-is-spiky.pdf
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
REMOTE SENSING (DMSP-OLS)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Forget, Y., Shimoni, M., Gilbert, M., & Linard, C. (2021). Mapping 20 years of urban expansion in 45 urban areas of Sub-Saharan Africa. *Remote Sensing, 13*(3), 525. doi:10.3390/rs13030525
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Global High Resolution Urban Data from Landsat (HBASE)
REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-1)

Forkel, M., Dorigo, W., Lasslop, G., Teubner, I., Chuvieco, E., & Thonicke, K. (2017). A data-driven approach to identify controls on global fire activity from satellite and climate observations (SOFIA V1). *Geoscientific Model Development, 10*(12), 4443-4476. doi:10.5194/gmd-10-4443-2017
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
NASA REMOTE SENSING (GIMMS)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (SOFIA)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
NASA REMOTE SENSING (Global 1km Forest Canopy Height)
NASA (Spatial Data Access Tool (SDAT))

Freire, S., Kemper, T., Pesaresi, M., Florczyk, A., & Syrris, V. (2015, 26-31 July 2015). *Combining GHSL and GPW to improve global population mapping.* Paper presented at the 2015 IEEE International Geoscience and Remote Sensing Symposium (IGARSS).
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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)

Fuente, B. d. l., Bertzky, B., Delli, G., Conti, M., Mandrici, A., Florczyk, A. J., . . . Dubois, G. (2020). Built-up areas within and around protected areas: global patterns and 40-year trends. *Global Ecology and Conservation, 24*, e01291. doi:10.1016/j.gecco.2020.e01291
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) map
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1) (map)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

Galway, L. P., Bell, N., Al Shatari, S. A., Hagopian, A., Burnham, G., Flaxman, A., . . . Takaro, T. K. (2012). A two-stage cluster sampling method using gridded population data, a GIS, and Google Earth™ imagery in a population-based mortality survey in Iraq. *International Journal of Health Geographics, 11*(12), 9. doi:10.1186/1476-072X-11-12
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (Google Earth)

Gao, J. (2017). *Downscaling Global Spatial Population Projections from 1/8-degree to 1-km Grid Cells*. Retrieved from Boulder: https://doi.org/10.5065/D60Z721H
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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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 (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)

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Gassasse, Z., Smith, D., Finer, S., & Gallo, V. (2017). Association between urbanisation and type 2

diabetes: an ecological study. *BMJ Global Health, 2*(4), 8pp. doi:10.1136/bmjgh-2017-000473
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Gaughan, A. E., Stevens, F. R., Huang, Z., Nieves, J. J., Sorichetta, A., Lai, S., . . . Tatem, A. J. (2016). Spatiotemporal patterns of population in mainland China, 1990 to 2010. *Scientific Data, 3*(160005), 11 pp. doi:10.1038/sdata.2016.5
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (Landsat)
REMOTE SENSING (DMSP-OLS)

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

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Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)

Geldmann, J., Coad, L., Barnes, M., Craigie, I. D., Hockings, M., Knights, K., . . . Burgess, N. D. (2015). Changes in protected area management effectiveness over time: A global analysis. *Biological Conservation, 191*, 692-699. doi:10.1016/j.biocon.2015.08.029
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Geldmann, J., Joppa, L. N., & Burgess, N. D. (2014). Mapping change in human pressure globally on land and within protected areas. *Conservation Biology, 28*(6), 1604-1616. doi:10.1111/cobi.12332
Anthropogenic Biomes of the World v1
Gridded Population of the World (GPW) v3 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Last of the Wild v1 (Global Human Footprint (Geographic))
REMOTE SENSING (DMSP-OLS)

Geng, G., Zhang, Q., Martin, R. V., Lin, J., Huo, H., Zheng, B., . . . He, K. (2017). Impact of spatial proxies on the representation of bottom-up emission inventories: A satellite-based analysis. *Atmospheric Chemistry and Physics, 17*(6), 4131-4145. doi:10.5194/acp-17-4131-2017
Gridded Population of the World (GPW) v3 (population count future estimates)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
NASA REMOTE SENSING (OMI NO2)
REMOTE SENSING (DMSP-OLS)

Gething, P. W., Elyazar, I. R. F., Moyes, C. L., Smith, D. L., Battle, K. E., Guerra, C. A., . . . Hay, S. I. (2012).

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

Gething, P. W., Patil, A. P., & Hay, S. I. (2010). Quantifying Aggregated Uncertainty in *Plasmodium falciparum* Malaria Prevalence and Populations at Risk *via* Efficient Space-Time Geostatistical Joint Simulation. *PLOS Computational Biology, 6*(4), e1000724. doi:10.1371/journal.pcbi.1000724
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Gething, P. W., Patil, A. P., Smith, D. L., Guerra, C. A., Elyazar, I. R. F., Johnston, G. L., . . . Hay, S. I. (2011). A new world malaria map: *Plasmodium falciparum* endemicity in 2010. *Malaria Journal, 10*(378), 16. doi:10.1186/1475-2875-10-378
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (AVHRR)
REMOTE SENSING (MERIS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)

Giardina, F., Gosoniu, L., Konate, L., Diouf, M. B., Perry, R., Gaye, O., . . . Vounatsou, P. (2012). Estimating the burden of malaria in Senegal: Bayesian zero-inflated binomial geostatistical modeling of the MIS 2008 data. *PLoS ONE, 7*(3), e32625. doi:10.1371/journal.pone.0032625
Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
NASA REMOTE SENSING (MODIS)

Gils, H. C. (2014). Assessment of the theoretical demand response potential in Europe. *Energy, 67*, 1-18. doi:10.1016/j.energy.2014.02.019

Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Gladson, L. A., Cromar, K. R., Ghazipura, M., Knowland, K. E., Keller, C. A., & Duncan, B. (2022). Communicating respiratory health risk among children using a global air quality index. *Environment International, 159*, 107023. doi:10.1016/j.envint.2021.107023
Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)

Gleditsch, K. S., & Weidmann, N. B. (2012). Richardson in the Information Age: Geographic Information Systems and Spatial Data in International Studies. *Annual Review of Political Science, 15*(1), 461-481. doi:10.1146/annurev-polisci-031710-112604
Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
REMOTE SENSING (DMSP-OLS)

Glennie, P., Bertule, M., De Stefano, L., de Sherbinin, A. M., Green, P., Forslund, A., . . . Seitzinger, S. (2016). Assessment approach and methods. In *Transboundary River Basins: Status and Trends* (pp. 11-21). Nairobi: United Nations Environment Programme.
Gridded Population of the World (GPW) v3 (population count) - 10.7927/H4639MPP
Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

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

Gong, P., Li, X., Wang, J., Bai, Y., Chen, B., Hu, T., . . . Zhou, Y. (2020). Annual maps of global artificial impervious area (GAIA) between 1985 and 2018. *Remote Sensing of Environment, 236*, 111510. doi:10.1016/j.rse.2019.111510
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
REMOTE SENSING (Landsat via Google Earth Engine)
REMOTE SENSING (Sentinel-1 SAR)
REMOTE SENSING (VIIRS)

González, B. A., Samaniego, H., Marín, J. C., & Estades, C. F. (2013). Unveiling current guanaco distribution in Chile based upon niche structure of phylogeographic lineages: Andean Puna to subpolar forests. *PLoS ONE, 8*(11), e78894. doi:10.1371/journal.pone.0078894

Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (MODIS EVI)
NASA REMOTE SENSING (SRTM)

González-Roglich, M., Swenson, J. J., Villarreal, D., Jobbágy, E. G., & Jackson, R. B. (2015). Woody plant-cover dynamics in Argentine savannas from the 1880s to 2000s: The interplay of encroachment and agriculture conversion at varying scales. *Ecosystems, 18*(3), 481-492. doi:10.1007/s10021-015-9841-5
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

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Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Gritten, D., Mola-Yudego, B., Delgado-Matas, C., & Kortelainen, J. (2013). A quantitative review of the representation of forest conflicts across the world: Resource periphery and emerging patterns. *Forest Policy and Economics, 33*, 11-20. doi:10.1016/j.forpol.2012.06.008
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Gridded Population of the World (GPW) v3 (collection)

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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Gridded Population of the World (GPW) v3 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (CALIOP Lidar)
NASA REMOTE SENSING (MODIS - MCD12Q1)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006)
REMOTE SENSING (GeoEye-1)
REMOTE SENSING (Quickbird)
REMOTE SENSING (WorldView-2)
REMOTE SENSING (WorldView-3)

Guerois, M., Bretagnolle, A., Giraud, T., & Mathian, H. (2012). A new database for the cities of Europe? Exploration of the urban Morphological Zones (CLC2000) from three national database comparisons (Denmark, France, Sweden). *Environment and Planning B: Planning and Design, 39*(3), 439-458. doi:10.1068/b37162
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

Guerra, C. A., Snow, R. W., & Hay, S. I. (2006). A global assessment of closed forests, deforestation and malaria risk. *Annals of Tropical Medicine & Parasitology, 100*(3), 189-204. Retrieved from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3204444/
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
NASA REMOTE SENSING (SRTM)
NASA REMOTE SENSING (TRMM)
REMOTE SENSING (Landsat ETM+)

Gunasekera, R., Ishizawa, O., Aubrecht, C., Blankespoor, B., Murray, S., Pomonis, A., & Daniell, J. (2015). Developing an adaptive global exposure model to support the generation of country disaster risk profiles. *Earth-Science Reviews, 150*, 594-608. doi:10.1016/j.earscirev.2015.08.012
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Last of the Wild v2 (Human Influence Index (Geographic)) - 10.7927/H4BP00QC

Güneralp, B., & Seto, K. C. (2013). Futures of global urban expansion: uncertainties and implications for biodiversity conservation. *Environmental Research Letters, 8*(1), 014025. doi:10.1088/1748-9326/8/1/014025
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
Socioeconomic Downscaled Projections (Country-Level GDP and Downscaled Projections Based on the SRES A1, A2, B1, and B2 Marker Scenarios, v1)

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NASA REMOTE SENSING (ASTER)
NASA REMOTE SENSING (SRTM)

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

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Global Rural-Urban Mapping Project (GRUMP) alpha (settlement points)
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Gridded Population of the World (GPW) v3 (admin boundaries)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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NASA REMOTE SENSING (SRTM)

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

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NASA REMOTE SENSING (MODIS)

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POPGRID

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG
POPGRID

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NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)
REMOTE SENSING (VIIRS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
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Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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NASA REMOTE SENSING (MODIS EVI)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-1 SAR)

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REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS)

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

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NASA REMOTE SENSING (MODIS)

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Last of the Wild v2 (Human Influence Index)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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

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GPW (collection)
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Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent) - 10.7927/H4Z31WKF

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points map)

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Global Rural-Urban Mapping Project (GRUMP) v1 (map)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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

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Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Socioeconomic Downscaled Projections (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SMAP)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
SMAP

Kinyoki, D. K., Berkley, J. A., Moloney, G. M., Odundo, E. O., Kandala, N.-B., & Noor, A. M. (2016). Space-time mapping of wasting among children under the age of five years in Somalia from 2007 to 2010. *Spatial and Spatio-temporal Epidemiology, 16*, 77-87. doi:10.1016/j.sste.2015.12.002

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NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)

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NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

Klotz, M., Kemper, T., Geiß, C., Esch, T., & Taubenböck, H. (2016). How good is the map? A multi-scale cross-comparison framework for global settlement layers: Evidence from Central Europe. *Remote Sensing of Environment, 178*, 191-212. doi:10.1016/j.rse.2016.03.001
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS - MOD500)
REMOTE SENSING (MERIS GlobCover)
REMOTE SENSING (TerraSAR-X/TanDEM-X Global Urban Footprint (GUF))
REMOTE SENSING (SPOT-5 Global Human Settlement Layer (GHSL))

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Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006) population count

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Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
NASA REMOTE SENSING (MODIS)

Koch, J., Schaldach, R., & Köchy, M. (2008). Modeling the impacts of grazing land management on land-use change for the Jordan River region. *Global and Planetary Change, 64*(3-4), 177-187. doi:10.1016/j.gloplacha.2008.09.005
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Kocornik-Mina, A., McDermott, T. K. J., Michaels, G., & Rauch, F. (2015). *Flooded Cities*. Retrieved from London: http://cep.lse.ac.uk/pubs/download/dp1398.pdf
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (DMSP-OLS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
NASA REMOTE SENSING (SRTM)

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NASA REMOTE SENSING (MODIS - MOD11A2)

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NASA REMOTE SENSING (MODIS EVI)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
GPW (version unspecified - population density)
NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
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)
Last of the Wild v2 (collection)
Natural Disaster Hotspots (collection)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (ASTER GDEM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points map)

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Gridded Population of the World (GPW) v3 (population count future estimates)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Last of the Wild v2 Global Human Influence Index (Geographic)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)
NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v3 (population count future estimates)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Last of the Wild v2 Global Human Influence Index (Geographic)
NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

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Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population and Land Area Estimates, v2)

Lazo, J. K. (2015). *Survey of Mozambique Public on Weather, Water, and Climate Information*. Retrieved from Boulder: https://doi.org/10.5065/D6B56GS4
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) map

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Leach, M., Bett, B., Said, M., Bukachi, S., Sang, R., Anderson, N., . . . Koninga, J. (2017). Local disease–ecosystem–livelihood dynamics: reflections from comparative case studies in Africa. *Philosophical Transactions of the Royal Society B: Biological Sciences, 372*(1725), 18pp. doi:10.1098/rstb.2016.0163
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Global Rural-Urban Mapping Project (GRUMP) alpha (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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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)
POPGRID

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (settelment points)

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

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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

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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Gridded Population of the World (GPW) v2 (collection)
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Satellite-Derived Environmental Indicators (Global Annual Average PM2.5 Grids from MODIS and MISR Aerosol Optical Depth (AOD), v1)

Liang, L., & Gong, P. (2020). Urban and air pollution: a multi-city study of long-term effects of urban landscape patterns on air quality trends. *Scientific Reports, 10*(1), 18618. doi:10.1038/s41598-020-74524-9
China Dimensions (China Administrative Regions GIS Data: 1:1M, County Level, 1 July 1990) - 10.7927/H4GT5K3V
Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent) - 10.7927/H4Z31WKF

Liang, S., Schweers, W., & Liu, J. (2008). *Final Report Desakota, Part II E2. Regional literature review on ecosystem services and poverty alleviation - China Desakota Assessment*. Retrieved from https://www.gov.uk/dfid-research-outputs/final-report-desakota-part-ii-e2-regional-literature-review-on-ecosystem-services-and-poverty-alleviation-china-desakota-assessment
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Gridded Population of the World (GPW) v1
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

Limmathurotsakul, D., Golding, N., Dance, D. A. B., Messina, J. P., Pigott, D. M., Moyes, C. L., . . . Hay, S. I. (2016). Predicted global distribution of *Burkholderia pseudomallei* and burden of melioidosis. *Nature Microbiology, 1*, 15008. doi:10.1038/nmicrobiol.2015.8
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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

Linard, C., Alegana, V. A., Noor, A. M., Snow, R. W., & Tatem, A. J. (2010). A high resolution spatial population database of Somalia for disease risk mapping. *International Journal of Health Geographics, 9*(45). doi:10.1186/1476-072X-9-45
Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

Linard, C., Gilbert, M., Snow, R. W., Noor, A. M., & Tatem, A. J. (2012). Population distribution, settlement patterns and accessibility across Africa in 2010. *PLoS ONE, 7*(2), e31743. doi:10.1371/journal.pone.0031743
Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
REMOTE SENSING (MERIS GlobCover)

Linard, C., Gilbert, M., & Tatem, A. J. (2011). Assessing the use of global land cover data for guiding large area population distribution modelling. *GeoJournal, 76*(5), 525-538. doi:10.1007/s10708-010-9364-8
Gridded Population of the World (GPW) v3 (collection)

Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (AVHRR)
REMOTE SENSING (MERIS GlobCover)

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)

Linard, C., & Tatem, A. J. (2012). Large-scale spatial population databases in infectious disease research. *International Journal of Health Geographics, 11*(7). doi:10.1186/1476-072X-11-7
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Lincke, D., & Hinkel, J. (2018). Economically robust protection against 21st century sea-level rise. *Global Environmental Change, 51*, 67-73. doi:10.1016/j.gloenvcha.2018.05.003
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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

Lindberg, F., Grimmond, C. S. B., Yogeswaran, N., Kotthaus, S., & Allen, L. (2013). Impact of city changes and weather on anthropogenic heat flux in Europe 1995–2015. *Urban Climate, 4*, 1-15. doi:10.1016/j.uclim.2013.03.002
Gridded Population of the World (GPW) v3 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)
Global High Resolution Urban Data from Landsat (GMIS)
Global High Resolution Urban Data from Landsat (HBASE)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (VIIRS)

Liu, Z., He, C., Zhou, Y., & Wu, J. (2014). How much of the world's land has been urbanized, really? A hierarchical framework for avoiding confusion. *Landscape Ecology, 29*(5), 763-771. doi:10.1007/s10980-014-0034-y
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS Urban Land Cover)
REMOTE SENSING (MERIS GlobCover2009)
REMOTE SENSING (DMSP-OLS)

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)

López-Carr, D., Pricope, N. G., Aukema, J. E., Jankowska, M. M., Funk, C., Husak, G., & Michaelsen, J. (2014). A spatial analysis of population dynamics and climate change in Africa: potential vulnerability hot spots emerge where precipitation declines and demographic pressures coincide. *Population and Environment, 35*(3), 323-339. doi:10.1007/s11111-014-0209-0
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Global Rural-Urban Mapping Project (GRUMP) alpha (settlement points)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Loughlin, S., Barsotti, S., Bonadonna, C., & Calder, E. (2017). Geophysical risk: Volcanic Activity. In K. Poljanšek, M. Marin Ferrer, T. De Groeve, & I. Clark (Eds.), *Science for Disaster Risk Management 2017: Knowing Better and Losing Less* (pp. 151-190): Publications Office of the European Union.
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Loumeau, N. (2020). *Essays in Economic Geography.* (Dr. sc.). ETH Zurich, Retrieved from https://doi.org/10.3929/ethz-b-000424283
Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

Løvholt, F., Glimsdal, S., Harbitz, C. B., Zamora, N., Nadim, F., Peduzzi, P., . . . Smebye, H. (2012). Tsunami hazard and exposure on the global scale. *Earth-Science Reviews, 110*(1–4), 58-73. doi:10.1016/j.earscirev.2011.10.002
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
NASA REMOTE SENSING (SRTM)

Lozano-Gracia, N., & Soppelsa, M. E. (2019). *Pollution and City Competitiveness: A Descriptive Analysis*. Retrieved from Washington DC: http://hdl.handle.net/10986/31278
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
NASA REMOTE SENSING (OMI)
REMOTE SENSING (SCIAMACHY)

Luangasanatip, N., Flasche, S., Dance, D. A. B., Limmathurotsakul, D., Currie, B. J., Mukhopadhyay, C., . . . Jit, M. (2019). The global impact and cost-effectiveness of a melioidosis vaccine. *BMC Medicine, 17*(1), 129. doi:10.1186/s12916-019-1358-x
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)

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Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Machault, V., Vignolles, C., Borchi, F., Vounatsou, P., Pages, F., Briolant, S., . . . Rogier, C. (2011). The use of remotely sensed environmental data in the study of malaria. *Geospatial Health, 5*(2), 151-168. doi:10.4081/gh.2011.167
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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)

Magalhães, R. J., Langa, A., Sousa-Figueiredo, J. C., Clements, A. C. A., & Vaz Nery, S. (2012). Finding malaria hot-spots in northern Angola: the role of individual, household and environmental factors within a meso-endemic area. *Malaria Journal, 11*, 385. doi:10.1186/1475-2875-11-385
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Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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

Malek, Ž., & Verburg, P. H. (2020). Mapping global patterns of land use decision-making. *Global Environmental Change, 65*, 102170. doi:10.1016/j.gloenvcha.2020.102170
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
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

Manacorda, M., & Tesei, A. (2016). *Liberation Technology: Mobile Phones and Political Mobilization in*

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Global Rural-Urban Mapping Project (GRUMP) v1 (settelment points)
Gridded Population of the World (GPW) v3 (population count)
Gridded Population of the World (GPW) v3 (population count future estimates)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)

Manacorda, M., & Tesei, A. (2020). Liberation technology: Mobile phones and political mobilization in Africa. *Econometrica, 88*(2), 533-567. doi:10.3982/ecta14392
Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)
NASA REMOTE SENSING (LIS)
NASA REMOTE SENSING (OTD)
REMOTE SENSING (DMSP-OLS)

Mandel, A., Tiggeloven, T., Lincke, D., Koks, E., Ward, P., & Hinkel, J. (2021). Risks on global financial stability induced by climate change: the case of flood risks. *Climatic Change, 166*(1), 4. doi:10.1007/s10584-021-03092-2
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (SRTM)

Manunta, P., Sharma, V., & Yi, J. (2021). Earth Observation for Planning and Resilience of Livable Cities. In B. Susantoo & R. Guild (Eds.), *Creating Livable Asian Cities* (pp. 67-88): Asia Development Bank.
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (VIIRS NTL)

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

Marcotullio, P. J., Keßler, C., & Fekete, B. M. (2021). The future urban heat-wave challenge in Africa: Exploratory analysis. *Global Environmental Change, 66*, 102190. doi:10.1016/j.gloenvcha.2020.102190
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (MERIS GlobCover)

Marcotullio, P. J., Kessler, C., & Fekete, B. M. (2020). Future Megacity-Regions and Heatwave Exposure. In D. Labbé (Ed.), *Handbook of Megacities and Megacity-Regions* (pp. 309-326): Edward Elgar Publishing.
Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

Marcotullio, P. J., Sarzynski, A., Albrecht, J., & Schulz, N. (2012). The geography of urban greenhouse gas emissions in Asia: A regional analysis. *Global Environmental Change, 22*(4), 944-958. doi:10.1016/j.gloenvcha.2012.07.002
Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

Marcotullio, P. J., Sarzynski, A., Albrecht, J., & Schulz, N. (2014). A top-down regional assessment of urban greenhouse gas emissions in Europe. *Ambio, 43*(7), 957-968. doi:10.1007/s13280-013-0467-6
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REMOTE SENSING (DMSP-OLS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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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 Aerosol Optical Depth (AOD), v1) - 10.7927/H4028PFS
NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

Martin, V., Pfeiffer, D. U., Zhou, X., Xiao, X., Prosser, D. J., Guo, F., & Gilbert, M. (2011). Spatial distribution and risk factors of highly pathogenic avian influenza (HPAI) H5N1 in China. *PLOS Pathogens, 7*(3), e1001308. doi:10.1371/journal.ppat.1001308
Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)

Martínez Arranz, A., Thomson, R., Zech, S., Hegde, G., Arunachalam, D., & Rao, A. B. (2021). The uneven expansion of electricity supply in India: The logics of clientelism, incrementalism and maximin. *Energy Research & Social Science, 78*, 102126. doi:10.1016/j.erss.2021.102126
Gridded Population of the World (GPW) v4.10 (admin unit center points) - 10.7927/h46h4fct
Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent) - 10.7927/H4Z31WKF

Marzeion, B., & Levermann, A. (2014). Loss of cultural world heritage and currently inhabited places to sea-level rise. *Environmental Research Letters, 9*(3), 034001.

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (SRTM)

Massoda Tonye, S. G., Kouambeng, C., Wounang, R., & Vounatsou, P. (2018). Challenges of DHS and MIS to capture the entire pattern of malaria parasite risk and intervention effects in countries with different ecological zones: the case of Cameroon. *Malaria Journal, 17*(1), 14pp. doi:10.1186/s12936-018-2284-7
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Matus, K., Nam, K.-M., Selin, N. E., Lamsal, L. N., Reilly, J. M., & Paltsev, S. (2011). *Health Damages from Air Pollution in China*. Retrieved from http://hdl.handle.net/1721.1/61774
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

Matus, K., Nam, K.-M., Selin, N. E., Lamsal, L. N., Reilly, J. M., & Paltsev, S. (2012). Health damages from air pollution in China. *Global Environmental Change, 22*(1), 55-66. doi:10.1016/j.gloenvcha.2011.08.006
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent) - 10.7927/H4Z31WKF

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

McDonald, R., Douglas, I., Revenga, C., Hale, R., Grimm, N., Grönwall, J., & Fekete, B. (2011). Global urban growth and the geography of water availability, quality, and delivery. *Ambio, 40*(5), 437-446. doi:10.1007/s13280-011-0152-6
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

McDonald, R. I., Forman, R. T. T., Kareiva, P., Neugarten, R., Salzer, D., & Fisher, J. (2009). Urban effects, distance, and protected areas in an urbanizing world. *Landscape and Urban Planning, 93*(1), 63-75. doi:10.1016/j.landurbplan.2009.06.002
Global Rural-Urban Mapping Project (GRUMP) alpha (settlement points)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

McDonald, R. I., Green, P., Balk, D., Fekete, B. M., Revenga, C., Todd, M., & Montgomery, M. (2011). Urban growth, climate change, and freshwater availability. *Proceedings of the National Academy of Sciences, 108*(15), 6312-6317. doi:10.1073/pnas.1011615108
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

McDonough, C. A., Helm, P. A., Muir, D. C. G., Puggioni, G., & Lohmann, R. (2016). Polycyclic musks in the air and water of the lower Great Lakes: Spatial distribution and volatilization from surface waters. *Environmental Science & Technology, 50*(21), 11575-11583. doi:10.1021/acs.est.6b03657
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

McDonough, C. A., Puggioni, G., Helm, P. A., Muir, D. C. G., & Lohmann, R. (2016). Spatial distribution and air-water exchange of organic flame retardants in the lower Great Lakes. *Environmental Science & Technology, 50*(17), 9133-9141. doi:10.1021/acs.est.6b02496
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)

McGranahan, G., Balk, D., & Anderson, B. (2007). The rising tide: assessing the risks of climate change and human settlements in low elevation coastal zones. *Environment and Urbanization, 19*(1), 17-37. doi:10.1177/0956247807076960
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Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)

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Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (methodology)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (DMSP-OLS)

McGuirk, E., & Burke, M. (2017). *The Economic Origins of Conflict in Africa*. Retrieved from Cambridge, MA: https://doi.org/10.3386/w23056
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

McKeen, T., Bondarenko, M., Kerr, D., Esch, T., Marconcini, M., Palacios-Lopez, D., . . . Sorichetta, A. (2023). High-resolution gridded population datasets for Latin America and the Caribbean using official statistics. *Scientific Data, 10*(1), 436. doi:10.1038/s41597-023-02305-w
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)

McKenzie, G., & Slind, R. T. (2019). A user-generated data based approach to enhancing location prediction of financial services in sub-Saharan Africa. *Applied Geography, 105*, 25-36. doi:10.1016/j.apgeog.2019.02.005
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

McKinnon, M. (2011). *Asian Cities: Globalization, Urbanization and Nation-Building*. Copenhagen: NIAS Press.
Gridded Population of the World (GPW) v3 (unspecified)
Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

McMichael, C., Dasgupta, S., Ayeb-Karlsson, S., & Kelman, I. (2020). A review of estimating population exposure to sea-level rise and the relevance for migration. *Environmental Research Letters, 15*(12), 123005. doi:10.1088/1748-9326/abb398
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93
NASA REMOTE SENSING (ALOS PALSAR)

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REMOTE SENSING (Landsat)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG
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NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Satellite-Derived Environmental Indicators (Global Urban Heat Island (UHI) Data Set, v1)
NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (TanDEM-X)
REMOTE SENSING (ALOS Global Digital Surface Model - ALOS World 3D - 30m (AW3D30))

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
NASA REMOTE SENSING (ASTER)
REMOTE SENSING (Landsat)
REMOTE SENSING (Quickbird)

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REMOTE SENSING (JERS-1)

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NASA REMOTE SENSING (ASTER)
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NASA REMOTE SENSING (ASTER)

NASA REMOTE SENSING (MODIS)

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NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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NASA REMOTE SENSING (MODIS - MOD11A2)
NASA REMOTE SENSING (TRMM)

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NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v4 (Doxsey-Whitfield et al. paper - data set unspecified)
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REMOTE SENSING (VIIRS DNB)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006) map

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NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (map)

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Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
NASA REMOTE SENSING (SRTM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
Socioeconomic Downscaled Projections (Country-Level Population and Downscaled Projections Based on the SRES B2 Scenario, v1)

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Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (OMI)
NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
NASA REMOTE SENSING (MODIS)

Mussetti, G., Brunner, D., Henne, S., Allegrini, J., Krayenhoff, E. S., Schubert, S., . . . Carmeliet, J. (2020). COSMO-BEP-Tree v1.0: a coupled urban climate model with explicit representation of street trees. *Geoscientific Model Development, 13*, 1685-1710. doi:10.5194/gmd-13-1685-2020
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Global High Resolution Urban Data from Landsat (GMIS)
NASA REMOTE SENSING (ASTER GDEM)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (ASTER GDEM)
GEOSS
INSPIRE

Nabuurs, G. J., Thürig, E., Heidema, N., Armolaitis, K., Biber, P., Cienciala, E., . . . Vallet, P. (2008). Hotspots of the European forests carbon cycle. *Forest Ecology and Management, 256*(3), 194-200. doi:10.1016/j.foreco.2008.04.009
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)
REMOTE SENSING (VIIRS DNB)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)
REMOTE SENSING (VIIRS NTL)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

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Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)

REMOTE SENSING (DMSP-OLS)

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Global Rural-Urban Mapping Project (GRUMP) alpha (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points) - 10.7927/H4M906KR

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Gridded Population of the World (GPW) v3 (land and geographic unit area grids)
Gridded Population of the World (GPW) v3 (national boundaries)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
Global Rural-Urban Mapping Project (GRUMP) v1 (land and geographic area grids)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

New, M., Anderson, K., Fung, F., & Thornton, P. K. (2011). *SR8: The possible impacts of high levels of climate change in 2060 and implications for migration*. Retrieved from London: http://webarchive.nationalarchives.gov.uk/20121212135622/http://bis.gov.uk/assets/foresight/docs/migration/science-reviews/11-1126-sr8-impact-high-levels-climate-change-2060-for-migration.pdf
http://www.bis.gov.uk/foresight/migration
Gridded Population of the World (GPW) v3 (population density)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

Newbold, T. (2018). Future effects of climate and land-use change on terrestrial vertebrate community

diversity under different scenarios. *Proceedings of the Royal Society B: Biological Sciences, 285*(1881), 20180792. doi:10.1098/rspb.2018.0792
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Newbold, T., Hudson, L. N., Arnell, A. P., Contu, S., De Palma, A., Ferrier, S., . . . Purvis, A. (2016). Has land use pushed terrestrial biodiversity beyond the planetary boundary? A global assessment. *Science, 353*(6296), 288-291. doi:10.1126/science.aaf2201
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Newbold, T., Hudson, L. N., Contu, S., Hill, S. L. L., Beck, J., Liu, Y., . . . Purvis, A. (2018). Widespread winners and narrow-ranged losers: Land use homogenizes biodiversity in local assemblages worldwide. *PLoS Biology, 16*(12), e2006841. doi:10.1371/journal.pbio.2006841
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Newbold, T., Hudson, L. N., Hill, S. L. L., Contu, S., Lysenko, I., Senior, R. A., . . . Purvis, A. (2015). Global effects of land use on local terrestrial biodiversity. *Nature, 520*(7545), 45-50. doi:10.1038/nature14324
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93

Newbold, T., Hudson, L. N., Phillips, H. R. P., Hill, S. L. L., Contu, S., Lysenko, I., . . . Purvis, A. (2014). A global model of the response of tropical and sub-tropical forest biodiversity to anthropogenic pressures. *Proceedings of the Royal Society B: Biological Sciences, 281*(1792), 20141371. doi:10.1098/rspb.2014.1371
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (MODIS land cover (MOD13Q1))
NASA REMOTE SENSING (MODIS Vegetation Continuous Fields)

Nghiem, S. V., Balk, D., Rodriguez, E., Neumann, G., Sorichetta, A., Small, C., & Elvidge, C. D. (2009). Observations of urban and suburban environments with global satellite scatterometer data. *ISPRS Journal of Photogrammetry and Remote Sensing, 64*(4), 367-380. doi:10.1016/j.isprsjprs.2009.01.004
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
U.S. Census Grids (unspecified)
NASA REMOTE SENSING (QuikSCAT)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat ETM+)

Ngugi, A. K., Bottomley, C., Kleinschmidt, I., Sander, J. W., & Newton, C. R. (2010). Estimation of the burden of active and life-time epilepsy: A meta-analytic approach. *Epilepsia, 51*(5), 883-890. doi:10.1111/j.1528-1167.2009.02481.x
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

Nicholls, R. J., Lincke, D., Hinkel, J., Brown, S., Vafeidis, A. T., Meyssignac, B., . . . Fang, J. (2021). A global analysis of subsidence, relative sea-level change and coastal flood exposure. *Nature Climate*

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (TOPEX)
REMOTE SENSING (Jason)

Nichols, G., Andersson, Y., Lindgren, E., Devaux, I., & Semenza, J. (2014). European monitoring systems and data for assessing environmental and climate impacts on human infectious diseases. *International Journal of Environmental Research and Public Health, 11*(4), 3894-3936. doi:10.3390/ijerph110403894
Gridded Population of the World (GPW) v3 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Last of the Wild v2 (Global Human Footprint (Geographic))
Socioeconomic Downscaled Projections (collection)
NASA REMOTE SENSING (ASTER)
NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
NASA REMOTE SENSING (OceanColor Web)
GCMD

Nieves, J. J., Stevens, F. R., Gaughan, A. E., Linard, C., Sorichetta, A., Hornby, G., . . . Tatem, A. J. (2017). Examining the correlates and drivers of human population distributions across low- and middle-income countries. *Journal of the Royal Society Interface, 14*(137), 20170401. doi:10.1098/rsif.2017.0401
Gridded Population of the World (GPW) v3 (Balk and Yetman)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Nkonya, E., Gerber, N., Baumgartner, P., von Braun, J., De Pinto, A., Graw, V., . . . Walter, T. (2011). *The Economics of Desertification, Land Degradation, and Drought: Toward an Integrated Global Assessment*. Retrieved from Washington DC: http://www.ifpri.org/publication/economics-desertification-land-degradation-and-drought
Gridded Population of the World (GPW) v1
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)

Nkonya, E., Johnson, T., Kwon, H. Y., & Kato, E. (2016). Economics of land degradation in Sub-Saharan Africa. In E. Nkonya, A. Mirzabaev, & J. von Braun (Eds.), *Economics of Land Degradation and Improvement – A Global Assessment for Sustainable Development* (pp. 215-259): Springer International Publishing.
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)
NASA REMOTE SENSING (MODIS)

Nkonya, E., Koo, J., Kato, E., & Guo, Z. (2013). *Trends and Patterns of Land Use Change and International Aid in Sub-Saharan Africa*. Retrieved from Washington DC: http://www.wider.unu.edu/publications/working-papers/2013/en_GB/wp2013-110/

Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

Nohrstedt, D., Hileman, J., Mazzoleni, M., Di Baldassarre, G., & Parker, C. F. (2022). Exploring disaster impacts on adaptation actions in 549 cities worldwide. *Nature Communications, 13*(1), 3360. doi:10.1038/s41467-022-31059-z
Global Rural-Urban Mapping Project (GRUMP) v1 (National Administrative Boundaries)

Noor, A. M., Alegana, V. A., Gething, P. W., Tatem, A. J., & Snow, R. W. (2008). Using remotely sensed night-time light as a proxy for poverty in Africa. *Population Health Metrics, 6*(5), 13. doi:10.1186/1478-7954-6-5
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
REMOTE SENSING (DMSP-OLS)

Noor, A. M., Mutheu, J. J., Tatem, A. J., Hay, S. I., & Snow, R. W. (2009). Insecticide-treated net coverage in Africa: mapping progress in 2000-07. *The Lancet, 373*(9657), 58-67. doi:10.1016/S0140-6736(08)61596-2
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
REMOTE SENSING (DMSP-OLS)

Nori, J., Carrasco, P. A., & Leynaud, G. C. (2014). Venomous snakes and climate change: ophidism as a dynamic problem. *Climatic Change, 122*(1-2), 67-80. doi:10.1007/s10584-013-1019-6
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Notenbaert, A., Herrero, M., De Groote, H., You, L., Gonzalez-Estrada, E., & Blummel, M. (2013). Identifying recommendation domains for targeting dual-purpose maize-based interventions in crop-livestock systems in East Africa. *Land Use Policy, 30*(1), 834-846. doi:10.1016/j.landusepol.2012.06.016
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

Notenbaert, A., Massawe, S., & Herrero, M. (2010). *Mapping risk and vulnerability hotspots in the COMESA region: Technical Report*. Retrieved from Nairobi: http://www.resakss.org/sites/default/files/pdfs/mapping-risk-and-vulnerability-hotspots-in-the-com-45171.pdf
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

Nowak Da Costa, J., Calka, B., & Bielecka, E. (2021). Urban population flood impact applied to a Warsaw scenario. *Resources, 10*(6), 62. doi:10.3390/resources10060062
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Nsoesie, E. O., Kraemer, M. U. G., Golding, N., Pigott, D. M., Brady, O. J., Moyes, C. L., . . . Brownstein, J. S. (2016). Global distribution and environmental suitability for chikungunya virus, 1952 to 2015. *Eurosurveillance, 21*(20), 12 pp. doi:10.2807/1560-7917.ES.2016.21.20.30234
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Nunes, M. R. T., Faria, N. R., de Vasconcelos, J. M., Golding, N., Kraemer, M. U. G., de Oliveira, L. F., . . . Vasconcelos, P. F. d. C. (2015). Emergence and potential for spread of Chikungunya virus in Brazil. *BMC Medicine, 13*(102). doi:10.1186/s12916-015-0348-x

Gridded Population of the World (GPW) v3 (unspecified)
Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

O'Hanlon, S. J., Slater, H. C., Cheke, R. A., Boatin, B. A., Coffeng, L. E., Pion, S. D. S., . . . Basáñez, M.-G. (2016). Model-based geostatistical mapping of the prevalence of *Onchocerca volvulus* in West Africa. *PLoS Neglected Tropical Diseases, 10*(1), e0004328. doi:10.1371/journal.pntd.0004328
Gridded Population of the World (GPW) v3 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS EVI)

Oh, E.-Y., Ansell, C., Nawaz, H., Yang, C.-H., Wood, P., & Hrushesky, W. (2010). Global breast cancer seasonality. *Breast Cancer Research and Treatment, 123*(1), 233-243. doi:10.1007/s10549-009-0676-7
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

Oh, S.-G., Han, J.-Y., Min, S.-K., & Son, S.-W. (2023). Impact of urban heat island on daily and sub-daily monsoon rainfall variabilities in East Asian megacities. *Climate Dynamics, 61*, 19-32. doi:10.1007/s00382-022-06556-y
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (DMSP-OLS)

Oh, S.-G., Son, S.-W., & Min, S.-K. (2021). Possible impact of urbanization on extreme precipitation–temperature relationship in East Asian megacities. *Weather and Climate Extremes, 34*, 100401. doi:10.1016/j.wace.2021.100401
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (DMSP-OLS)

O'Higgins, T., Farmer, A., Daskalov, G., Knudsen, S., & Mee, L. (2014). Achieving good environmental status in the Black Sea: Scale mismatches in environmental management. *Ecology and Society, 19*(3). doi:10.5751/es-06707-190354
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Olén, N. B., & Lehsten, V. (2022). High-resolution global population projections dataset developed with CMIP6 RCP and SSP scenarios for year 2010–2100. *Data in Brief, 40*, 107804. doi:10.1016/j.dib.2022.107804
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (National Administrative Boundaries)

Oliveira, E. A., Andrade, J. S., & Makse, H. A. (2014). Large cities are less green. *Scientific Reports, 4*(4235), 12. doi:10.1038/srep04235
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Oliveira, E. A., Furtado, V., Andrade, J. S., & Makse, H. A. (2018). A worldwide model for boundaries of urban settlements. *Royal Society Open Science, 5*(5), 180468. doi:10.1098/rsos.180468
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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doi:10.1038/s41598-017-14727-9
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points) - 10.7927/H4M906KR
NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Oluwole, A. S., Ekpo, U. F., Karagiannis-Voules, D.-A., Abe, E. M., Olamiju, F. O., Isiyaku, S., . . . Vounatsou, P. (2015). Bayesian geostatistical model-based estimates of soil-transmitted helminth infection in Nigeria, including annual deworming requirements. *PLoS Neglected Tropical Diseases, 9*(4), e0003740. doi:10.1371/journal.pntd.0003740
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Omumbo, J. A., Guerra, C. A., Hay, S. I., & Snow, R. W. (2005). The influence of urbanisation on measures of Plasmodium falciparum infection prevalence in East Africa. *Acta Tropica, 93*(1), 11-21. doi:10.1016/j.actatropica.2004.08.010
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

O'Neill, D. W., & Abson, D. J. (2009). To settle or protect? A global analysis of net primary production in parks and urban areas. *Ecological Economics, 69*(2), 319-327. doi:10.1016/j.ecolecon.2009.08.028
Global Rural-Urban Mapping Project (GRUMP) alpha (settlement points)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

Oro, D., Genovart, M., Tavecchia, G., Fowler, M. S., & Martínez-Abraín, A. (2013). Ecological and evolutionary implications of food subsidies from humans. *Ecology Letters, 16*(12), 1501-1514. doi:10.1111/ele.12187
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)
REMOTE SENSING (DMSP-OLS)

Ouyang, Z., Fan, P., Chen, J., Lafortezza, R., Messina, J. P., Giannico, V., & John, R. (2019). A Bayesian approach to mapping the uncertainties of global urban lands. *Landscape and Urban Planning, 187*, 210-218. doi:10.1016/j.landurbplan.2018.07.016
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population and Land Area Estimates, v2)

Owusu, S., Mul, M. L., Ghansah, B., Osei-Owusu, P. K., Awotwe-Pratt, V., & Kadyampakeni, D. (2017). Assessing land suitability for aquifer storage and recharge in northern Ghana using remote sensing and GIS multi-criteria decision analysis technique. *Modeling Earth Systems and Environment, 3*(4), 1383-1393. doi:10.1007/s40808-017-0360-6
Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006) population count

Padowski, J. C., Carrera, L., & Jawitz, J. W. (2016). Overcoming urban water insecurity with infrastructure and institutions. *Water Resources Management, 30*(13), 4913-4926. doi:10.1007/s11269-016-1461-0
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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)

Palmas, S., & Chamberlin, J. (2020). Fertilizer profitability for smallholder maize farmers in Tanzania: A spatially-explicit ex ante analysis. *PLoS ONE, 15*(9), e0239149. doi:10.1371/journal.pone.0239149
Global Rural-Urban Mapping Project (GRUMP) v1.01 (settlement points)

Pandey, B., Joshi, P. K., & Seto, K. C. (2013). Monitoring urbanization dynamics in India using DMSP/OLS night time lights and SPOT-VGT data. *International Journal of Applied Earth Observation and Geoinformation, 23*, 49-61. doi:10.1016/j.jag.2012.11.005
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (SPOT-VGT)

Paredes-Beltran, B., Sordo-Ward, A., & Garrote, L. (2021). Dataset of Georeferenced Dams in South America (DDSA). *Earth System Science Data, 13*, 213-229. doi:10.5194/essd-13-213-2021
Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H

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*Climatic Change, 160*, 283-302. doi:10.1007/s10584-020-02664-y
Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

Patel, N. N., Angiuli, E., Gamba, P., Gaughan, A. E., Lisini, G., Stevens, F. R., . . . Trianni, G. (2015). Multitemporal settlement and population mapping from Landsat using Google Earth Engine. *International Journal of Applied Earth Observation and Geoinformation, 35, Part B*, 199-208. doi:10.1016/j.jag.2014.09.005
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (Landsat)

Patel, N. N., Stevens, F. R., Huang, Z., Gaughan, A. E., Elyazar, I., & Tatem, A. J. (2017). Improving large area population mapping using geotweet densities. *Transactions in GIS, 21*(2), 317-331. doi:10.1111/tgis.12214
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Patouillard, E., Griffin, J., Bhatt, S., Ghani, A., & Cibulskis, R. (2017). Global investment targets for malaria control and elimination between 2016 and 2030. *BMJ Global Health, 2*(2), 12 pp. doi:10.1136/bmjgh-2016-000176
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
Last of the Wild v2 (Global Human Footprint (Geographic))
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (AVHRR GIMMS NDVI)

Pedersen Zari, M. (2019). Devising urban biodiversity habitat provision goals: Ecosystem services analysis. *Forests, 10*(5), 391. doi:10.3390/f10050391
Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Agricultural Lands (Cropland)
Global Agricultural Lands (Pasture)
Gridded Population of the World (GPW) v3 (population count future estimates)
Global Rural-Urban Mapping Project (GRUMP) v1 (National Administrative Boundaries)
Natural Disaster Hotspots (multihazard frequency and distribution)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)
Poverty Mapping (Global Subnational Prevalence of Child Malnutrition, v1)
Socioeconomic Downscaled Projections (Global 15 x 15 Minute Grids of the Downscaled GDP Based on the SRES B2 Scenario, v1)

Petrozzi, F., Hema, E. M., Hoinsoudé Ségniagbeto, G., Amadi, N., Akani, G. C., Burke, R. L., . . . Luiselli, L. (2019). Correlates of African Spurred Tortoise, *Centrochelys sulcata*, occurrence in the West African Sahel. *Chelonian Conservation and Biology, 18*(1), 19-23. doi:10.2744/ccb-1302.1
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1.01 (settlement points) - 10.7927/H4BC3WG1

Petrozzi, F., Hema, E. M., Sirima, D., Segniagbeto, G. H., Akani, G. C., Eniang, E. A., . . . Luiselli, L. (2020). Tortoise ecology in the West African savannah: Multi-scale habitat selection and activity patterns of a threatened giant species, and its ecological relationships with a smaller-sized species. *Acta Oecologica, 105*, 103572. doi:10.1016/j.actao.2020.103572
Gridded Population of the World (GPW) v3 (population density) - 10.7927/H4XK8CG2
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points) - 10.7927/H4M906KR

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Piel, F. B., Patil, A. P., Howes, R. E., Nyangiri, O. A., Gething, P. W., Dewi, M., . . . Hay, S. I. (2013). Global epidemiology of sickle haemoglobin in neonates: a contemporary geostatistical model-based map and population estimates. *The Lancet, 381*(9861), 142-151. doi:10.1016/S0140-6736(12)61229-X
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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points) - 10.7927/H4M906KR

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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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)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Poverty Mapping (Global Subnational Infant Mortality Rates, v1)
NASA REMOTE SENSING (MODIS - MOD12Q1)
REMOTE SENSING (AVHRR NDVI)

Prosser, D. J., Wu, J., Ellis, E. C., Gale, F., Van Boeckel, T. P., Wint, G. R. W., . . . Gilbert, M. (2011). Modelling the distribution of chickens, ducks, and geese in China. *Agriculture, Ecosystems & Environment, 141*(3-4), 381-389. doi:10.1016/j.agee.2011.04.002
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NASA REMOTE SENSING (MODIS)

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Gridded Population of the World (GPW) v3
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
REMOTE SENSING (MERIS GlobCover)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT

Qader, S., Lefebvre, V., Tatem, A., Pape, U., Himelein, K., Ninneman, A., . . . Bird, T. (2021). Semi-automatic mapping of pre-census enumeration areas and population sampling frames. *Humanities and Social Sciences Communications, 8*(1), 3. doi:10.1057/s41599-020-00670-0
Gridded Population of the World (GPW) v4.10 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
NASA REMOTE SENSING (MODIS land cover)

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

Quax, R., Bader, D. A., & Sloot, P. M. A. (2011). SEECN: Simulating complex systems using dynamic complex networks. *International Journal for Multiscale Computational Engineering, 9*(2), 201-214. doi:10.1615/IntJMultCompEng.v9.i2.50
Global Rural-Urban Mapping Project (GRUMP) alpha (unspecified)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent) - 10.7927/H4Z31WKF

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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Gridded Population of the World (GPW) v3
Global Rural-Urban Mapping Project (GRUMP) v1
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)

Ramírez, C. D., Orrego, S. A., & Schneider, L. C. (2018). Identifying drivers and spatial patterns of deforestation in the Rio Grande Basin, Colombia. *Journal of Latin American Geography, 17*(1), 108-138. doi:10.1353/lag.2018.0005
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (Landsat)

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Rankin, B. (2015). How much of humanity is in your hemisphere? Retrieved from http://www.radicalcartography.net/index.html?your-hemisphere
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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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) v2
Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
POPGRID
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

Reimann, L., Vollstedt, B., Koerth, J., Tsakiris, M., Beer, M., & Vafeidis, A. T. (2021). Extending the Shared Socioeconomic Pathways (SSPs) to support local adaptation planning—A climate service for Flensburg, Germany. *Futures, 127*, 102691. doi:10.1016/j.futures.2020.102691
Global Rural-Urban Mapping Project (GRUMP) v1.01 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)
NASA REMOTE SENSING (MODIS)

Réjou-Méchain, M., Mortier, F., Bastin, J.-F., Cornu, G., Barbier, N., Bayol, N., . . . Gourlet-Fleury, S. (2021). Unveiling African rainforest composition and vulnerability to global change. *Nature, 593*, 90-94. doi:10.1038/s41586-021-03483-6
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
NASA REMOTE SENSING (MODIS)

Renner, K., Schneiderbauer, S., Pruß, F., Kofler, C., Martin, D., & Cockings, S. (2018). Spatio-temporal population modelling as improved exposure information for risk assessments tested in the Autonomous Province of Bolzano. *International Journal of Disaster Risk Reduction, 27*, 470-479. doi:10.1016/j.ijdrr.2017.11.011
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (SRTM)

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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

Rizzo, A. J., Sirmons, S., Mohatt, D. F., & Phillips, S. M. (2019). Brief Report - "Rural is...": Toward a Working Definition. *The Community Psychologist, 52(Summer 2019),* 38-41. Retrieved from https://scra27.org/files/7715/6389/5535/TCP_Summer_2019_Volume_52_Number_3_FINAL.pdf
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (settlement points)

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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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Global Rural-Urban Mapping Project (GRUMP) v1 (settelment points)

Robinson, T. P., Wint, G. R. W., Conchedda, G., Van Boeckel, T. P., Ercoli, V., Palamara, E., . . . Gilbert, M. (2014). Mapping the global distribution of livestock. *PLoS ONE, 9*(5), e96084. doi:10.1371/journal.pone.0096084
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NASA REMOTE SENSING (MODIS)

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REMOTE SENSING (Sentinel-1)
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NASA REMOTE SENSING (MODIS)
REMOTE SENSING (SPOT GLC2000)

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NASA REMOTE SENSING (MODIS)

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NASA REMOTE SENSING (SRTM)
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Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS NDVI)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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NASA REMOTE SENSING (SRTM)

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NASA REMOTE SENSING (OMI)
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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG
NASA REMOTE SENSING (OMI)
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NASA REMOTE SENSING (AVHRR GIMMS)
NASA REMOTE SENSING (MODIS - MOD16A2)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (DMSP-OLS)

Small, C., Elvidge, C. D., Balk, D., & Montgomery, M. (2011). Spatial scaling of stable night lights. *Remote Sensing of Environment, 115*(2), 269-280. doi:10.1016/j.rse.2010.08.021
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Global Rural-Urban Mapping Project (GRUMP) alpha (collection)
REMOTE SENSING (Landsat)

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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))

Smith, F. M. (2019). *Economics of a Crowded Planet*: Palgrave Macmillan.
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

Snow, R. W., Hay, S. I., & Marsh, K. (2006). *Malaria in Africa: sources, risks, drivers and the disease burden 2005-2030*. Retrieved from http://webarchive.nationalarchives.gov.uk/20140108134321/http://www.bis.gov.uk/assets/foresight/docs/infectious-diseases/t5_8.pdf
Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

Soares Magalhães, R. J., Barnett, A. G., & Clements, A. C. A. (2011). Geographical analysis of the role of water supply and sanitation in the risk of helminth infections of children in West Africa. *Proceedings of the National Academy of Sciences, 108*(50), 20084-20089. doi:10.1073/pnas.1106784108
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (AVHRR)

Soares Magalhães, R. J., & Clements, A. C. A. (2011). Mapping the risk of anaemia in preschool-age children: The contribution of malnutrition, malaria, and Helminth infections in West Africa. *PLoS Medicine, 8*(6), e1000438. doi:10.1371/journal.pmed.1000438
Gridded Population of the World (GPW) v3 (population density)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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Gridded Population of the World (GPW) v3 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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

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Intergovernmental Panel on Climate Change (IPCC) (Emissions Scenarios, v1.01)

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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)

Spanedda, F. (2013). Bigness or Vastness? In S. Serreli (Ed.), *City Project and Public Space* (Vol. 14, pp. 125-139): Springer Netherlands.
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) map

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Gridded Population of the World (GPW) v2
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (SRTM - HydroSheds)
NASA REMOTE SENSING (MODIS NPP)
REMOTE SENSING (EarthSat GeoCover Land Cover TM)
REMOTE SENSING (VIIRS)

Stevens, F. R., Reed, F., Gaughan, A. E., Sinha, P., Sorichetta, A., Yetman, G., & Tatem, A. J. (2019). *How remotely sensed built areas and their realizations inform and constrain gridded population models.* Paper presented at the IGARSS 2019 - 2019 IEEE International Geoscience and Remote Sensing Symposium, Yokohama, Japan.
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Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006)

Stevens, K. B., Costard, S., Métras, R., Theuri, W., Hendrickx, S., & Pfeiffer, D. U. (2010). *Risk Mapping for HPAI H5N1 in Africa – Improving Surveillance for Virulent Bird Flu: Final Report and Maps*. Retrieved from http://hdl.handle.net/10568/2420
Global Rural-Urban Mapping Project (GRUMP) alpha (settlement points)

Stojanovic, T. A., & Farmer, C. J. Q. (2013). The development of world oceans & coasts and concepts of sustainability. *Marine Policy, 42*, 157-165. doi:10.1016/j.marpol.2013.02.005
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Strader, S. M., Ashley, W. S., & Walker, J. (2015). Changes in volcanic hazard exposure in the Northwest USA from 1940 to 2100. *Natural Hazards, 77*(2), 1365-1392. doi:10.1007/s11069-015-1658-1
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Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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

Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Su, M.-D., Lin, M.-C., Hsieh, H.-I., Tsai, B.-W., & Lin, C.-H. (2010). Multi-layer multi-class dasymetric mapping to estimate population distribution. *Science of The Total Environment, 408*(20), 4807-4816. doi:10.1016/j.scitotenv.2010.06.032
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Suet, M., Lozano-Arango, J. G., Defos Du Rau, P., Deschamps, C., Abdalgader Mohammed, M. A., Elbashary Adam, E., . . . Mondain-Monval, J.-Y. (2021). Improving waterbird monitoring and conservation in the Sahel using remote sensing: a case study with the International Waterbird Census in Sudan. *Ibis, 163*(2), 607-622. doi:10.1111/ibi.12911
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
REMOTE SENSING (Landsat)

Sulochanan, B., Veena, S., Ratheesh, L., Padua, S., Rohit, P., Kaladharan, P., & Kripa, V. (2019). Temporal and spatial variability of beach litter in Mangaluru, India. *Marine Pollution Bulletin, 149*, 110541. doi:10.1016/j.marpolbul.2019.110541
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (settlement points)

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

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Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
NASA REMOTE SENSING (VIIRS)

Szulkin, M., Garroway, C. J., Corsini, M., Kotarba, A. Z., & Dominoni, D. M. (2020). How to quantify urbanization when testing for urban evolution? In M. Szulkin, J. Munshi-South, & A. Charmantier (Eds.), *Urban Evolutionary Biology* (pp. 13-34). New York: Oxford University Press.
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

Szulkin, M., Munshi-South, J., & Charmantier, A. (2020). Introduction. In M. Szulkin, J. Munshi-South, & A. Charmantier (Eds.), *Urban Evolutionary Biology* (pp. 1-12). New York: Oxford University Press.
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

Tallis, H. T., Ricketts, T., Guerry, A. D., Nelson, E. J., Ennaanay, D., Wolny, S., . . . Bernhardt, J. (2011). *InVEST 2.0 Beta User's Guide. The Natural Capital Project*. Retrieved from Palo Alto: http://www.naturalcapitalproject.org/pubs/InVEST_2.0beta_Users_Guide.pdf
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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Tanser, F., Gething, P. W., & Atkinson, P. (2009). Location-allocation Planning. In *A Companion to Health and Medical Geography* (pp. 540-566): Wiley-Blackwell.
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Tatem, A. J., Adamo, S. B., Bharti, N., Burgert, C., Castro, M., Dorelien, A., . . . Balk, D. (2012). Mapping populations at risk: improving spatial demographic data for infectious disease modeling and metric derivation. *Population Health Metrics, 10*(8), 1-14. doi:10.1186/1478-7954-10-8
Gridded Population of the World (GPW) v3 (collection)
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Gridded Population of the World (GPW) v3 (population count)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
NASA REMOTE SENSING (AVHRR)
NASA REMOTE SENSING (MODIS)

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

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

Tatem, A. J., Noor, A. M., von Hagen, C., Di Gregorio, A., & Hay, S. I. (2007). High resolution population maps for low income nations: Combining land cover and census in East Africa. *PLoS ONE, 2*(12), e1298. doi:10.1371/journal.pone.0001298
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (RADARSAT-1)
REMOTE SENSING (Landsat ETM)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
REMOTE SENSING (AVHRR)

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (Terra SAR-X (TSX))
REMOTE SENSING (TanDEM-X (TDX))

Tchinguilou, A., Jalloh, A., Thomas, T. S., & Nelson, G. C. (2013). Togo. In A. Jalloh, G. C. Nelson, T. S. Thomas, R. Zougmoré, & H. Roy-Macauley (Eds.), *West African Agriculture and Climate Change* (pp. 353-382). Washington DC: International Food Policy Research Institute.
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Teklehaimanot, A., McCord, G. C., & Sachs, J. D. (2007). Scaling up malaria control in Africa: An economic and epidemiological assessment. *American Journal of Tropical Medicine and Hygiene, 77*(6_Suppl), 138-144. doi:10.4269/ajtmh.2007.77.138
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Agricultural Inputs (phosphorous in manure production) - 10.7927/H49Z92TD
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

Tellman, B., Sesnie, S. E., Magliocca, N. R., Nielsen, E. A., Devine, J. A., McSweeney, K., . . . Aguilar-Gonzalez, B. (2020). Illicit drivers of land use change: Narcotrafficking and forest loss in Central America. *Global Environmental Change, 63*, 102092. doi:10.1016/j.gloenvcha.2020.102092
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS - MCD64A1)

Tessler, Z. D., Vörösmarty, C. J., Grossberg, M., Gladkova, I., & Aizenman, H. (2016). A global empirical typology of anthropogenic drivers of environmental change in deltas. *Sustainability Science, 11*(4), 525-537. doi:10.1007/s11625-016-0357-5
Gridded Population of the World (GPW) v3 (population density) - 10.7927/H4XK8CG2
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

Texier, G., Machault, V., Barragti, M., Boutin, J.-P., & Rogier, C. (2013). Environmental determinant of malaria cases among travellers. *Malaria Journal, 12*(1), 87. doi:10.1186/1475-2875-12-87
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

Thebo, A. L., Drechsel, P., & Lambin, E. F. (2014). Global assessment of urban and peri-urban agriculture: irrigated and rainfed croplands. *Environmental Research Letters, 9*(11), 114002. doi:10.1088/1748-9326/9/11/114002
Gridded Population of the World (GPW) v3 (national boundaries)
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Thebo, A. L., Drechsel, P., Lambin, E. F., & Nelson, K. L. (2017). A global, spatially-explicit assessment of irrigated croplands influenced by urban wastewater flows. *Environmental Research Letters, 12*(7), 12pp. doi:10.1088/1748-9326/aa75d1
Gridded Population of the World (GPW) v3 (national boundaries)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Thomas, T., Christiaensen, L., Do, Q. T., & Trung, L. D. (2010). *Natural Disasters and Household Welfare: Evidence from Vietnam WPS5491*. Retrieved from Washington DC: http://hdl.handle.net/10986/3974
Global Rural-Urban Mapping Project (GRUMP) v1 (settelment points)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Thomassen, H. A., Fuller, T., Asefi-Najafabady, S., Shiplacoff, J. A. G., Mulembakani, P. M., Blumberg, S., . . . Rimoin, A. W. (2013). Pathogen-host associations and predicted range shifts of human monkeypox in response to climate change in Central Africa. *PLoS ONE, 8*(7), e66071. doi:10.1371/journal.pone.0066071
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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

Thornton, P. K., & Herrero, M. (2010). Potential for reduced methane and carbon dioxide emissions from livestock and pasture management in the tropics. *Proceedings of the National Academy of Sciences, 107*(46), 19667-19672. doi:10.1073/pnas.0912890107
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

Tian, H., Banger, K., Bo, T., & Dadhwal, V. K. (2014). History of land use in India during 1880–2010: Large-scale land transformations reconstructed from satellite data and historical archives. *Global and Planetary Change, 121*, 78-88. doi:10.1016/j.gloplacha.2014.07.005
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
REMOTE SENSING (Advanced Wide Field Sensor - Resourcesat-1)

Tingley, R., Hitchmough, R. A., & Chapple, D. G. (2013). Life-history traits and extrinsic threats determine extinction risk in New Zealand lizards. *Biological Conservation, 165*, 62-68. doi:10.1016/j.biocon.2013.05.028
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
Last of the Wild v2 (Human Footprint)

Tlili, O., Mansilla, C., Linβen, J., Reuß, M., Grube, T., Robinius, M., . . . Stolten, D. (2020). Geospatial modelling of the hydrogen infrastructure in France in order to identify the most suited supply chains. *International Journal of Hydrogen Energy, 45*(4), 3053-3072. doi:10.1016/j.ijhydene.2019.11.006
Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)

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Patterns of twenty-first century forest loss across a global network of important sites for biodiversity. *Remote Sensing in Ecology and Conservation, 2*(1), 37-44. doi:10.1002/rse2.13
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
REMOTE SENSING (Landsat)

Trombetti, M., Thunis, P., Bessagnet, B., Clappier, A., Couvidat, F., Guevara, M., . . . Lopez-Aparicio, S. (2018). Spatial inter-comparison of top-down emission inventories in European urban areas. *Atmospheric Environment, 173*, 142-156. doi:10.1016/j.atmosenv.2017.10.032
Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

Tu, W., Liu, Z., Du, Y., Yi, J., Liang, F., Wang, N., . . . Wang, H. (2022). An ensemble method to generate high-resolution gridded population data for China from digital footprint and ancillary geospatial data. *International Journal of Applied Earth Observation and Geoinformation, 107*, 102709. doi:10.1016/j.jag.2022.102709
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Twine, R., & Njehu, A. (2020). *Uganda Smallholder Pig Value Chain Development: Situation Analysis and Trends*. Retrieved from Nairobi, Kenya: https://www.ilri.org/publications/uganda-smallholder-pig-value-chain-development-situation-analysis-and-trends
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Uchida, H., & Nelson, A. (2010). *Agglomeration Index: Towards a new measure of urban concentration*. Retrieved from http://www.wider.unu.edu/publications/working-papers/2010/en_GB/wp2010-29/
Global Rural-Urban Mapping Project (GRUMP) v1 (settelment points)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
Global Roads (catalog)

Uchiyama, Y., & Mori, K. (2017). Methods for specifying spatial boundaries of cities in the world: The impacts of delineation methods on city sustainability indices. *Science of The Total Environment, 592*, 345-356. doi:10.1016/j.scitotenv.2017.03.014
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Uhl, J. H., & Leyk, S. (2022). Assessing the relationship between morphology and mapping accuracy of built-up areas derived from global human settlement data. *GIScience & Remote Sensing, 59*(1), 1722-1748. doi:10.1080/15481603.2022.2131192
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Uhl, J. H., Leyk, S., McShane, C. M., Braswell, A. E., Connor, D. S., & Balk, D. (2021). Fine-grained, spatio-temporal datasets measuring 200 years of land development in the United States. *Earth System Science Data, 13*, 119-153. doi:10.5194/essd-13-119-2021
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Unfried, K., Kis-Katos, K., & Poser, T. (2021). *Water Scarcity and Social Conflict*. Retrieved from Bonn: https://www.iza.org/publications/dp/14707/water-scarcity-and-social-conflict

Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
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)

Unfried, K., Kis-Katos, K., & Poser, T. (2022). Water scarcity and social conflict. *Journal of Environmental Economics and Management, 113*, 102633. doi:10.1016/j.jeem.2022.102633
Gridded Population of the World (GPW) v4 (admin unit center points with population estimates)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
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)

United Nations International Strategy for Disaster Reduction Secretariat. (2009). *2009 Global assessment report on disaster risk reduction: risk and poverty in a changing climate*. Retrieved from Manama, Bahrain: http://www.preventionweb.net/english/hyogo/gar/2009/?pid:34&pih:2
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)
Natural Disaster Hotspots (collection)

Ustaoglu, E., & Kabadayı, M. E. (2021). Reconstruction of residential land cover and spatial analysis of population in Bursa Region (Turkey) in the mid-nineteenth century. *Land, 10*(10), 1077. doi:10.3390/land10101077
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Vaccari, F. P., Gioli, B., Toscano, P., & Perrone, C. (2013). Carbon dioxide balance assessment of the city of Florence (Italy), and implications for urban planning. *Landscape and Urban Planning, 120*, 138-146. doi:10.1016/j.landurbplan.2013.08.004
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Vafeidis, A., Neumann, B., Zimmermann, J., & Nicholls, R. J. (2011). *MR9: Analysis of land area and population in the low-elevation coastal zone (LECZ)*. Retrieved from London: http://webarchive.nationalarchives.gov.uk/20121212135622/http://bis.gov.uk/assets/foresight/docs/migration/modelling/11-1169-mr9-land-and-population-in-the-low-elevation-coastal-zone.pdf
Gridded Population of the World (GPW) v3 (land and geographic unit area grids)
Gridded Population of the World (GPW) v3 (national boundaries)
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
Global Rural-Urban Mapping Project (GRUMP) alpha (land and geographic area grids)
NASA REMOTE SENSING (MODIS)

Van Boeckel, T. P., Prosser, D. J., Franceschini, G., Biradar, C., Wint, G. R. W., Robinson, T. P., & Gilbert, M. (2011). Modelling the distribution of domestic ducks in Monsoon Asia. *Agriculture, Ecosystems & Environment, 141*(3-4), 373-380. doi:10.1016/j.agee.2011.04.013
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

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

Van Boeckel, T. P., Thanapongtharm, W., Robinson, T. P., Biradar, C. M., Xiao, X., & Gilbert, M. (2012). Improving risk models for Avian Influenza: The role of intensive poultry farming and flooded land during the 2004 Thailand epidemic. *PLoS ONE, 7*(11), e49528. doi:10.1371/journal.pone.0049528
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

Van Boeckel, T. P., Thanapongtharm, W., Robinson, T. P., D'Aietti, L., & Gilbert, M. (2012). Predicting the distribution of intensive poultry farming in Thailand. *Agriculture, Ecosystems & Environment, 149*, 144-153. doi:10.1016/j.agee.2011.12.019
Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

van Breugel, P., Herrero, M., van de Steeg, J., & Peden, D. (2010). Livestock water use and productivity in the Nile Basin. *Ecosystems, 13*(2), 205-221. doi:10.1007/s10021-009-9311-z
Global Rural-Urban Mapping Project (GRUMP) alpha (land and geographic area grids)

van de Sande, B., Lansen, J., & Hoyng, C. (2012). Sensitivity of coastal flood risk assessments to digital elevation models. *Water, 4*(3), 568-579. doi:10.3390/w4030568
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Low Elevation Coastal Zone (LECZ) (Urban-Rural Population Estimates, v1)
NASA REMOTE SENSING (ASTER GDEM)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (LIDAR)

Van Den Eeckhaut, M., Hervás, J., Jaedicke, C., Malet, J. P., Montanarella, L., & Nadim, F. (2012). Statistical modelling of Europe-wide landslide susceptibility using limited landslide inventory data. *Landslides, 9*(3), 357-369. doi:10.1007/s10346-011-0299-z
Global Rural-Urban Mapping Project (GRUMP) alpha (collection)
NASA REMOTE SENSING (SRTM)
REMOTE SENSING (MERIS GlobCover)

Van der Laan, C., Verweij, P., Quinones, M., & Faaij, A. (2014). Analysis of biophysical and anthropogenic variables and their relation to the regional spatial variation of aboveground biomass illustrated for North and East Kalimantan, Borneo. *Carbon Balance and Management, 9*(1), 8. doi:10.1186/s13021-014-0008-z
Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)
NASA REMOTE SENSING (GLAS LIDAR)
REMOTE SENSING (ALOS PALSAR)

van Eijk, A. M., Hill, J., Alegana, V. A., Kirui, V., Gething, P. W., ter Kuile, F. O., & Snow, R. W. (2011). Coverage of malaria protection in pregnant women in sub-Saharan Africa: a synthesis and analysis of national survey data. *The Lancet Infectious Diseases, 11*(3), 190-207. doi:10.1016/s1473-3099(10)70295-4

Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

van Geen, A. (2008). Environmental science: Arsenic meets dense populations. *Nature Geoscience, 1*(8), 494-496. doi:10.1038/ngeo268
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

van Huijstee, J., van Bemmel, B., Bouwman, A., & van Rijn, F. (2018). *Towards an Urban Preview: Modelling Future Urban Growth with 2UP*. Retrieved from The Hague: http://www.pbl.nl/en/publications/towards-an-urban-preview
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

van Kleunen, M., Essl, F., Pergl, J., Brundu, G., Carboni, M., Dullinger, S., . . . Dehnen-Schmutz, K. (2018). The changing role of ornamental horticulture in alien plant invasions. *Biological Reviews, 93*(3), 1421-1437. doi:10.1111/brv.12402
Global Rural-Urban Mapping Project (GRUMP) v1 (land and geographic area grids)

van Ruijven, B. J., Schers, J., & van Vuuren, D. P. (2012). Model-based scenarios for rural electrification in developing countries. *Energy, 38*(1), 386-397. doi:10.1016/j.energy.2011.11.037
Global Rural-Urban Mapping Project (GRUMP) alpha (population density)

van Soesbergen, A., Arnell, A. P., Sassen, M., Stuch, B., Schaldach, R., Göpel, J., . . . Palazzo, A. (2017). Exploring future agricultural development and biodiversity in Uganda, Rwanda and Burundi: a spatially explicit scenario-based assessment. *Regional Environmental Change, 17*(5), 1409-1420. doi:10.1007/s10113-016-0983-6
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) - 10.7927/H4R20Z93

van Weezel, S. (2019). On climate and conflict: Precipitation decline and communal conflict in Ethiopia and Kenya. *Journal of Peace Research, 56*(4), 514–528. doi:10.1177/0022343319826409
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Vandermeulen, I., Guay, M., & McLellan, P. J. (2016, 6-8 July 2016). *Formation control of high-altitude balloons by distributed extremum seeking control.* Paper presented at the 2016 American Control Conference (ACC).
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Vandermeulen, I., Guay, M., & McLellan, P. J. (2017). Distributed control of high-altitude balloon formation by extremum-seeking control. *IEEE Transactions on Control Systems Technology, 26*(3), 857-873. doi:10.1109/TCST.2017.2692742
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Varis, O., Kummu, M., & Salmivaara, A. (2012). Ten major rivers in monsoon Asia-Pacific: An assessment of vulnerability. *Applied Geography, 32*(2), 441-454. doi:10.1016/j.apgeog.2011.05.003
Environmental Sustainability Index (ESI) (2005)
Gridded Population of the World (GPW) v3 (population count future estimates)
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
Last of the Wild v2 (Global Human Footprint (Geographic))

Natural Disaster Hotspots (collection)
Poverty Mapping (Global Subnational Prevalence of Child Malnutrition, v1)
Poverty Mapping (Global Subnational Infant Mortality Rates, v1)

Venter, O., Sanderson, E. W., Magrach, A., Allan, J. R., Beher, J., Jones, K. R., . . . Watson, J. E. M. (2016). Data Descriptor: Global terrestrial Human Footprint maps for 1993 and 2009. *Scientific Data, 3*(160067), 10 pp. doi:10.1038/sdata.2016.67
Gridded Population of the World (GPW) v3 (population density) - 10.7927/H4XK8CG2
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG
NASA REMOTE SENSING (ISLSCP-II) - 10.3334/ORNLDAAC/969
REMOTE SENSING (DMSP-OLS)

Verzano, K., Bärlund, I., Flörke, M., Lehner, B., Kynast, E., Voß, F., & Alcamo, J. (2012). Modeling variable river flow velocity on continental scale: Current situation and climate change impacts in Europe. *Journal of Hydrology, 424–425*, 238-251. doi:10.1016/j.jhydrol.2012.01.005
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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)

Vianna, G. M. S., Meekan, M. G., Ruppert, J. L. W., Bornovski, T. H., & Meeuwig, J. J. (2016). Indicators of fishing mortality on reef-shark populations in the world's first shark sanctuary: the need for surveillance and enforcement. *Coral Reefs, 35*(3), 973-977. doi:10.1007/s00338-016-1437-9
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

Vicarelli, M., Kamal, R., & Fernandez, M. (2016). Cost benefit analysis for ecosystem-based disaster risk reduction interventions: A review of best practices and existing studies. In G. F. Renaud, K. Sudmeier-Rieux, M. Estrella, & U. Nehren (Eds.), *Ecosystem-Based Disaster Risk Reduction and Adaptation in Practice* (pp. 45-73). Cham: Springer International Publishing.
Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H

Villena, O. C., Ryan, S. J., Murdock, C. C., & Johnson, L. R. (2022). Temperature impacts the environmental suitability for malaria transmission by *Anopheles gambiae* and *Anopheles stephensi*. *Ecology, 103*(8), e3685. doi:10.1002/ecy.3685
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Vinet, F., Bigot, V., Petrucci, O., Papagiannaki, K., Llasat, M. C., Kotroni, V., . . . Tramblay, Y. (2019). Mapping flood-related mortality in the Mediterranean Basin. Results from the MEFF v2.0 DB. *Water, 11*(10), 2196. doi:10.3390/w11102196
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Vizcarra, N. (2013). Crazy bad air. *Sensing Our Planet: NASA Earth Science Research Features*. Retrieved from https://earthdata.nasa.gov/featured-stories/featured-research/crazy-bad-air#datatable
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

NASA REMOTE SENSING (MODIS Level 2 Aerosol)
NASA REMOTE SENSING (MISR Level 2 Aerosol)

Vizcarra, N. (2018). Leaving dry lands behind. *Sensing Our Planet: NASA Earth Science Research Features*. Retrieved from https://earthdata.nasa.gov/user-resources/sensing-our-planet/leaving-dry-lands-behind
Global Rural-Urban Mapping Project (GRUMP) v1 (population count) - 10.7927/H4VT1Q1H
NASA REMOTE SENSING (TRMM)

Vogt, J., & Cortez, C. (2020). Urban Social-Ecological Systems. In M. I. Goldstein & D. A. DellaSala (Eds.), *Encyclopedia of the World's Biomes* (pp. 35-47). Oxford: Elsevier.
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Vollmer, D., & Grêt-Regamey, A. (2013). Rivers as municipal infrastructure: Demand for environmental services in informal settlements along an Indonesian river. *Global Environmental Change, 23*(6), 1542-1555. doi:10.1016/j.gloenvcha.2013.10.001
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Vollmer, D., Pribadi, D. O., Remondi, F., Rustiadi, E., & Grêt-Regamey, A. (2016). Prioritizing ecosystem services in rapidly urbanizing river basins: A spatial multi-criteria analytic approach. *Sustainable Cities and Society, 20*, 237-252. doi:10.1016/j.scs.2015.10.004
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

Walsh, M. G., & Haseeb, M. A. (2015). The landscape configuration of zoonotic transmission of Ebola virus disease in West and Central Africa: interaction between population density and vegetation cover. *PeerJ, 3*, e735. doi:10.7717/peerj.735
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (MODIS)

Walsh, M. G., Wiethoelter, A., & Haseeb, M. A. (2017). The impact of human population pressure on flying fox niches and the potential consequences for Hendra virus spillover. *Scientific Reports, 7*(8226), 13pp. doi:10.1038/s41598-017-08065-z
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
Population Dynamics (Global Estimated Net Migration Grids By Decade, v1)
Last of the Wild v2 (Global Human Footprint (Geographic))
NASA REMOTE SENSING (MODIS)

Wan, B., Guo, Q., Fang, F., Su, Y., & Wang, R. (2015). Mapping US urban extents from MODIS data using one-class classification method. *Remote Sensing, 7*(8), 10143-10163. doi:10.3390/rs70810143
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

Wan, G., & Kahn, M. (2014). Urbanization and the environment: An Asian perspective. In K. S. Sridhar & G. Wan (Eds.), *Urbanization in Asia* (pp. 249-287): Springer India.
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Wang, J., Jia, P., Cuadros, D. F., Xu, M., Wang, X., Guo, W., . . . Stein, A. (2017). A remote sensing data based artificial neural network approach for predicting climate-sensitive infectious disease outbreaks: A case study of human brucellosis. *Remote Sensing, 9*(10), 17pp. doi:10.3390/rs9101018
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (MODIS)

Wang, M., Madden, M., Hendy, I., Estradivari, & Ahmadia, G. N. (2017). Modeling projected changes of mangrove biomass in different climatic scenarios in the Sunda Banda Seascapes. *International Journal of Digital Earth, 10*(4), 457-468. doi:10.1080/17538947.2016.1190411
Gridded Population of the World (GPW) v3 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

Wang, M., Wang, Y., Li, B., Cai, Z., & Kang, M. (2022). A population spatialization model at the building scale using random forest. *Remote Sensing, 14*(8), 1811. doi:10.3390/rs14081811
Gridded Population of the World (GPW) v2
Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

Wang, N., Zhang, X., Yao, S., Wu, J., & Xia, H. (2022). How good are global layers for mapping rural settlements? Evidence from China. *Land, 11*(8), 1308. doi:10.3390/land11081308
Global Rural-Urban Mapping Project (GRUMP) alpha (collection)
Global High Resolution Urban Data from Landsat (GMIS)
Global High Resolution Urban Data from Landsat (HBASE)
NASA REMOTE SENSING (MODIS)

Wang, P., Huang, C., & Brown de Colstoun, E. (2017). Mapping 2000–2010 impervious surface change in India using global land survey Landsat data. *Remote Sensing, 9*(4), 18pp. doi:10.3390/rs9040366
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (Landsat)

Wang, P., Huang, C., Tilton, J. C., Tan, B., & de Colstoun, E. C. B. (2017, 23-28 July 2017). *HOTEX: An approach for global mapping of human built-up and settlement extent.* Paper presented at the 2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS).
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (VIIRS)
REMOTE SENSING (Landsat)

Wang, R., Tao, S., Wang, W., Liu, J., Shen, H., Shen, G., . . . Ma, J. (2012). Black carbon emissions in China from 1949 to 2050. *Environmental Science & Technology, 46*(14), 7595-7603. doi:10.1021/es3003684
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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., Alva, S., Winter, R., & Burgert, C. (2013). *Contextual Influences of Modern Contraceptive Use among Rural Women in Rwanda and Nepal*. Retrieved from Calverton, MD: http://pdf.usaid.gov/pdf_docs/pnaec676.pdf
Global Roads (Global Roads Open Access Data Set (gROADS), v1)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

Wang, X., Liu, J., Che, H., Ji, F., & Liu, J. (2018). Spatial and temporal evolution of natural and anthropogenic dust events over northern China. *Scientific Reports, 8*(1), 9pp. doi:10.1038/s41598-018-20382-5
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (CALIPSO)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (OMI)

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)

Ward, A., Yin, K.-s., Dargusch, P., Fulton, E. A., & Aziz, A. A. (2017). The impact of land use change on carbon stored in mountain grasslands and shrublands. *Ecological Economics, 135*, 114-124. doi:10.1016/j.ecolecon.2016.12.023
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)
NASA REMOTE SENSING (MODIS)

Warner, K., van der Geest, K., & Kreft, S. (2013). *Pushed to the limit: Evidence of climate change-related loss and damage when people face constraints and limits to adaptation*. Retrieved from Bonn: http://collections.unu.edu/view/UNU:1849
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (MODIS EVI)
REMOTE SENSING (MERIS GlobCover)

Warren, T. C. (2015). Explosive connections? Mass media, social media, and the geography of collective violence in African states. *Journal of Peace Research, 52*(3), 297-311. doi:10.1177/0022343314558102
Gridded Population of the World (GPW) v3 (population density) - 10.7927/H4XK8CG2
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

Weber, E. M., Seaman, V. Y., Stewart, R. N., Bird, T. J., Tatem, A. J., McKee, J. J., . . . Reith, A. E. (2018). Census-independent population mapping in northern Nigeria. *Remote Sensing of Environment, 204*, 786-798. doi:10.1016/j.rse.2017.09.024
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)

Wei, Y., Wu, J., Huang, J., Liu, X., Han, D., An, L., . . . Huang, J. (2021). Declining oxygen level as an emerging concern to global cities. *Environmental Science & Technology, 55*(12), 7808-7817. doi:10.1021/acs.est.1c00553
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (GRACE)

Weibull, J., & Phillips, J. (2020). Swedish crop wild relatives: Towards a national strategy for *in situ* conservation of CWR. *Genetic Resources, 1*(1), 17-23. doi:10.46265/genresj.2020.1.17-24
Global Rural-Urban Mapping Project (GRUMP) v1 (population density) map

Weidmann, N. B., Benitez-Baleato, S., Hunziker, P., Glatz, E., & Dimitropoulos, X. (2016). Digital discrimination: Political bias in Internet service provision across ethnic groups. *Science, 353*(6304), 1151-1155. doi:10.1126/science.aaf5062
Global Roads (Global Roads Open Access Data Set (gROADS), v1) - 10.7927/H4VD6WCT
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

Weiss, D., Nelson, A., Gibson, H. S., Temperley, W., Peedell, S., Lieber, A., . . . Gething, P. W. (2018). A global map of travel time to cities to assess inequalities in accessibility in 2015. *Nature, 553*, 333-336. doi:10.1038/nature25181
Gridded Population of the World (GPW) v3 (population density future estimates) - 10.7927/H4ST7MRB
Global Rural-Urban Mapping Project (GRUMP) v1.01 (settlement points) - 10.7927/H4BC3WG1
NASA REMOTE SENSING (MODIS - MCD12Q1)
NASA REMOTE SENSING (SRTM)

Wetterlund, E., Leduc, S., Dotzauer, E., & Kindermann, G. (2012). Optimal localisation of biofuel production on a European scale. *Energy, 41*(1), 462-472. doi:10.1016/j.energy.2012.02.051
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Global Rural-Urban Mapping Project (GRUMP) alpha (population density)
REMOTE SENSING (MERIS GlobCover)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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NASA REMOTE SENSING (MODIS)

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

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

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

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NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v3 beta (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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Gridded Population of the World (GPW) v3 (collection)
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REMOTE SENSING (DMSP-OLS)

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REMOTE SENSING (TROPOMI)

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NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)
REMOTE SENSING (Landsat)

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REMOTE SENSING (AVHRR)
REMOTE SENSING (DMSP-OLS)

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REMOTE SENSING (Landsat)
REMOTE SENSING (Sentinel-1A)

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Global High Resolution Urban Data from Landsat (GMIS)

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Gridded Population of the World (GPW) v3 (population count future estimates)
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)
NASA REMOTE SENSING (OMI)
REMOTE SENSING (GOME-2)
REMOTE SENSING (SCIAMACHY)

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

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NASA REMOTE SENSING (MODIS - MYD11A2)

Yang, Z.-L., & Wang, L. (2020). Changes in Land Use Influenced by Anthropogenic Activity. In *Oxford Research Encyclopedia of Environmental Science*: Oxford Research Encyclopedias.
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Gridded Population of the World (GPW) v2
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)

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Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)
NASA REMOTE SENSING (SMAP)
REMOTE SENSING (SMOS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
NASA REMOTE SENSING (MODIS)
NASA REMOTE SENSING (SRTM)

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Gridded Population of the World (GPW) v3 (unspecified)

Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

Yim, S. H. L., Lee, G. L., Lee, I. H., Allroggen, F., Ashok, A., Caiazzo, F., . . . Barrett, S. R. H. (2015). Global, regional and local health impacts of civil aviation emissions. *Environmental Research Letters, 10*(3), 034001. doi:10.1088/1748-9326/10/3/034001
Global Rural-Urban Mapping Project (GRUMP) v1 (population count)

Yin, J., Dong, J., Hamm, N. A. S., Li, Z., Wang, J., Xing, H., & Fu, P. (2021). Integrating remote sensing and geospatial big data for urban land use mapping: A review. *International Journal of Applied Earth Observation and Geoinformation, 103*, 102514. doi:10.1016/j.jag.2021.102514
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
Global High Resolution Urban Data from Landsat (GMIS)
Global High Resolution Urban Data from Landsat (HBASE)
NASA REMOTE SENSING (AVHRR)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)

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Global Rural-Urban Mapping Project (GRUMP) alpha (collection)

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Global Rural-Urban Mapping Project (GRUMP) v1 (settlement points)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density) map
NASA REMOTE SENSING (MODIS NDVI)

Yu, B., & Guo, Z. (2016). Typology of agricultural productivity zones. In S. Benin (Ed.), *Agricultural Productivity in Africa: Trends, Patterns and Determinants* (pp. 133-198). Washington: IFPRI.
Global Rural-Urban Mapping Project (GRUMP) v1 (population density)
NASA REMOTE SENSING (MODIS - NDVI)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) alpha (population count)
Global Rural-Urban Mapping Project (GRUMP) alpha (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (population density)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Zhang, R., Wang, Y., He, Q., Chen, L., Zhang, Y., Qu, H., . . . Burrows, J. P. (2017). Enhanced trans-Himalaya pollution transport to the Tibetan Plateau by cut-off low systems. *Atmospheric Chemistry and Physics, 17*(4), 3083-3095. doi:10.5194/acp-17-3083-2017
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 (SCIAMACHY)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (Landsat)
REMOTE SENSING (DMSP-OLS)

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Global Rural-Urban Mapping Project (GRUMP) v1 (unspecified)

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Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

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Global Rural-Urban Mapping Project (GRUMP) v1.01 (urban extent)
NASA REMOTE SENSING (SRTM)

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

Zhou, X., Feng, X. B., Dai, W., Li, P., Ju, C. Y., Bao, Z. D., & Han, Y. L. (2017). NPP-VIIRS DNB-based reallocating subpopulations to mercury in Urumqi city cluster, central Asia. *IOP Conference Series: Earth and Environmental Science, 57*(1), 7pp. doi:10.1088/1755-1315/57/1/012021
Gridded Population of the World (GPW) v3 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (VIIRS NTL)
REMOTE SENSING (DMSP-OLS)

Zhou, Y., Li, X., Asrar, G. R., Smith, S. J., & Imhoff, M. (2018). A global record of annual urban dynamics (1992–2013) from nighttime lights. *Remote Sensing of Environment, 219*, 206-220. doi:10.1016/j.rse.2018.10.015
Global Rural-Urban Mapping Project (GRUMP) v1 (Balk et al 2006)
REMOTE SENSING (DMSP-OLS)

Zhou, Y., Ma, M., Shi, K., & Peng, Z. (2020). Estimating and interpreting fine-scale gridded population using random forest regression and multisource data. *ISPRS International Journal of Geo-Information, 9*(6), 369. doi:10.3390/ijgi9060369

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

Zhou, Y., Smith, S. J., Elvidge, C. D., Zhao, K., Thomson, A., & Imhoff, M. (2014). A cluster-based method to map urban area from DMSP/OLS nightlights. *Remote Sensing of Environment, 147*, 173-185. doi:10.1016/j.rse.2014.03.004
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
REMOTE SENSING (DMSP-OLS)

Zhou, Y., Smith, S. J., Zhao, K., Imhoff, M., Thomson, A., Bond-Lamberty, B., . . . Elvidge, C. D. (2015). A global map of urban extent from nightlights. *Environmental Research Letters, 10*(5), 054011. doi:10.1088/1748-9326/10/5/054011
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)
NASA REMOTE SENSING (MODIS)
REMOTE SENSING (DMSP-OLS)

Zhu, S., Dai, Q., Zhao, B., & Shao, J. (2020). Assessment of population exposure to urban flood at the building scale. *Water, 12*(11), 3253. doi:10.3390/w12113253
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)

Zhu, Y., Price, O. R., Kilgallon, J., Qi, Y., Tao, S., Jones, K. C., & Sweetman, A. J. (2018). Drivers of contaminant levels in surface water of China during 2000–2030: Relative importance for illustrative home and personal care product chemicals. *Environment International, 115*, 161-169. doi:10.1016/j.envint.2018.03.013
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)
Gridded Population of the World (GPW) v4 (population density) - 10.7927/H4NP22DQ
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent)

Zhuang, H., Liu, X., Yan, Y., Ou, J., He, J., & Wu, C. (2021). Mapping multi-temporal population distribution in China from 1985 to 2010 using Landsat images via deep learning. *Remote Sensing, 13*(17), 3533. doi:10.3390/rs13173533
Gridded Population of the World (GPW) v4 (collection)
Global Rural-Urban Mapping Project (GRUMP) v1 (collection)
REMOTE SENSING (Landsat)

Zilli, M. T., Carvalho, L. M. V., Liebmann, B., & Silva Dias, M. A. (2017). A comprehensive analysis of trends in extreme precipitation over southeastern coast of Brazil. *International Journal of Climatology, 37*(5), 2269-2279. doi:10.1002/joc.4840
Global Rural-Urban Mapping Project (GRUMP) v1 (urban extent) - 10.7927/H4GH9FVG

Zomer, R. J., Trabucco, A., Coe, R., Place, F., van Noordwijk, M., & Xu, J. (2014). *Trees On Farms: An Update and Reanalysis of Agroforestry's Global Extent and Socio-ecological Characteristics.* Retrieved from Bogor, Indonesia: https://doi.org/10.5716/WP14064.PDF
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NASA REMOTE SENSING (MODIS)

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