

Listed below are known citations to the NASA Socioeconomic Data and Applications Center (SEDAC) *Spatial Economic Data* 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.

List last updated on 3 October 2023.

Cao, M., Zhu, Y., Quan, J., Zhou, S., Lü, G., Chen, M., & Huang, M. (2019). Spatial sequential modeling and predication of global land use and land cover changes by integrating a global change assessment model and cellular automata. *Earth's Future*, 7(9), 1102-1116.  
doi:10.1029/2019ef001228

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)  
GPW (version unspecified)  
REMOTE SENSING (Landsat)  
REMOTE SENSING (HJ-1)

Cappelli, F., Conigliani, C., Costantini, V., Lelo, K., Markandya, A., Paglialunga, E., & Sforza, G. (2020). Do spatial interactions fuel the climate-conflict vicious cycle? The case of the African continent. *Journal of Spatial Econometrics*, 1(1), 5. doi:10.1007/s43071-020-00007-8

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)

Carrasco, L. R., Nghiem, T. P. L., Chen, Z., & Barbier, E. B. (2017). Unsustainable development pathways caused by tropical deforestation. *Science Advances*, 3(7), 9pp. doi:10.1126/sciadv.1602602

Gridded Population of the World (GPW) v3 (population density)  
Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)  
REMOTE SENSING (Landsat)

Carrasco, L. R., Webb, E. L., Symes, W. S., Koh, L. P., & Sodhi, N. S. (2017). Global economic trade-offs between wild nature and tropical agriculture. *PLoS Biology*, 15(7), e2001657.  
doi:10.1371/journal.pbio.2001657

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)  
Gridded Population of the World (GPW) v3 (population density)

Cazcarro, I., Arto, I., Fernandes-Salvador, J. A., & Lauriad, V. (2022). Potential future challenges and impacts on fisheries and coastal economies. In S. Hazra & A. Bhukta (Eds.), *The Blue Economy: An Asian Perspective* (pp. 265-287). Cham: Springer International Publishing.

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)

Corona-Núñez, R. O., & Campo, J. E. (2023). Climate and socioeconomic drivers of biomass burning and carbon emissions from fires in tropical dry forests: a Pantropical analysis. *Global Change Biology*, 29(4), 1062-1079. doi:10.1111/gcb.16516

Global Agricultural Lands (Cropland)  
Global Agricultural Lands (Pasture)  
Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)  
Gridded Population of the World (GPW) v4.11 (population density)

## NASA REMOTE SENSING (SRTM)

Dowd, C., Justino, P., Kishi, R., & Marchais, G. (2018). *Comparing 'New' and 'Old' Media for Violence Monitoring and Crisis Response in Kenya*. Retrieved from Brighton: <https://www.ids.ac.uk/publications/comparing-new-and-old-media-for-violence-monitoring-and-crisis-response-in-kenya/>

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)

Duarte-Guardia, S., Peri, P., Amelung, W., Thomas, E., Borchard, N., Baldi, G., . . . Ladd, B. (2020). Biophysical and socioeconomic factors influencing soil carbon stocks: a global assessment. *Mitigation and Adaptation Strategies for Global Change*, 25, 1129-1148. doi:10.1007/s11027-020-09926-1

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)

Last of the Wild v2 Global Human Influence Index (Geographic) - 10.7927/H4BP00QC

Poverty Mapping (Global Subnational Infant Mortality Rates, v1) - 10.7927/H4PZ56R2

Esposito, E., & Abramson, S. F. (2021). The European coal curse. *Journal of Economic Growth*, 26(1), 77-112. doi:10.1007/s10887-021-09187-w

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)

Fabian, M., Lessmann, C., & Sofke, T. (2019). Natural disasters and regional development – the case of earthquakes. *Environment and Development Economics*, 24(5), 479-505. doi:10.1017/S1355770X19000159

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4) - 10.7927/H42V2D1C

## REMOTE SENSING (DMSP-OLS)

Fedderke, J. W., Klitgaard, R. E., & Napolioni, V. (2017). Genetic adaptation to historical pathogen burdens. *Infection, Genetics and Evolution*, 54, 299-307. doi:10.1016/j.meegid.2017.07.017

National Aggregates of Geospatial Data Collection (NAGDC) (Population, Landscape, And Climate Estimates (PLACE), v2)

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)

Giuliani, G., Klenze, T., Legner, M., Basin, D., Perrig, A., & Singla, A. (2020). Internet backbones in space. *ACM SIGCOMM Computer Communication Review*, 50(1), 25-37. doi:10.1145/3390251.3390256

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4) - 10.7927/H42V2D1C

Godde, C. M., Boone, R., Ash, A., J., Waha, K., Sloat, L., Thornton, P., K., & Herrero, M. (2020). Global rangeland production systems and livelihoods at threat under climate change and variability. *Environmental Research Letters*, 15(4), 044021. doi:10.1088/1748-9326/ab7395

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4) - 10.7927/H42V2D1C

Population Dynamics (Global One-Eighth Degree Population Projection Grids for the SSPs, v1) - 10.7927/H4RF5SOP

Gu, X., Zhang, Q., Li, J., Chen, D., Singh, V. P., Zhang, Y., . . . Yu, H. (2020). Impacts of anthropogenic warming and uneven regional socio-economic development on global river flood risk. *Journal of*

*Hydrology*, 590, 125262. doi:10.1016/j.jhydrol.2020.125262  
 Gridded Population of the World (GPW) v3 (population count)  
 Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)  
 Natural Disaster Hotspots (collection)

Ighile, E. H., & Shriakawa, H. (2020). A study on the effects of land use change on flooding risks in Nigeria. *Geographia Technica*, 15(1), 91-101. doi:10.21163/GT\_2020.151.08  
 Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)

Jiang, L., Zhang, J., Liu, Q., Meng, X., Shi, L., Zhang, D., & Xing, M. (2023). Spatiotemporal variations of the global compound heat wave and the drivers of its spatial heterogeneity. *Journal of Cleaner Production*, 408, 137201. doi:10.1016/j.jclepro.2023.137201  
 Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4) - 10.7927/H42V2D1C  
 Gridded Population of the World (GPW) v4.11 (population density) - 10.7927/H49C6VHW  
 NASA REMOTE SENSING (MERRA-2)  
 NASA REMOTE SENSING (MODIS)  
 REMOTE SENSING (DMSP-OLS)  
 REMOTE SENSING (Landsat)

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

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

Li, B., Zhou, S., Wang, T., Sui, X., Jia, Z., Li, Y., . . . Wu, S. (2018). An improved gridded polycyclic aromatic hydrocarbon emission inventory for the lower reaches of the Yangtze River Delta region from 2001 to 2015 using satellite data. *Journal of Hazardous Materials*, 360, 329-339. doi:10.1016/j.jhazmat.2018.08.011  
 Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)  
 NASA REMOTE SENSING (MODIS - MCD64A1)  
 NASA REMOTE SENSING (MODIS - MCD14ML)  
 REMOTE SENSING (DMSP-OLS)  
 REMOTE SENSING (VIIRS DNB)

Noy, I., Doan, N., Ferrarini, B., & Park, D. (2020). *The Economic Risk of COVID-19 in Developing Countries: Where is it Highest?* Retrieved from London: <http://www.lse.ac.uk/fmg/assets/documents/papers/special-papers/SP257.pdf>  
 Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)  
 Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -

10.7927/H4F47M65

Population Dynamics (Global Estimated Net Migration Grids By Decade, v1) - 10.7927/H4319SVC  
Poverty Mapping (Global Subnational Infant Mortality Rates, v2) - 10.7927/H4PN93JJ

Noy, I., Doan, N., Ferrarini, B., & Park, D. (2020). Measuring the economic risk of COVID-19. *Global Policy*, 11(4), 413-423. doi:10.1111/1758-5899.12851

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)  
Gridded Population of the World (GPW) v4.11 (population density UN WPP-adjusted) -  
10.7927/H4F47M65

Population Dynamics (Global Estimated Net Migration Grids By Decade, v1) - 10.7927/H4319SVC  
Poverty Mapping (Global Subnational Infant Mortality Rates, v2) - 10.7927/H4PN93JJ

Partnership for Resilience and Preparedness (PREP). (2018). PREPdata. Retrieved from  
<https://www.prepdata.org/>

Energy Infrastructure (Population Exposure Estimates in Proximity to Nuclear Power Plants, Locations)  
Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)  
Land Use and Land Cover (LULC) (Global Grid of Probabilities of Urban Expansion to 2030, v1)  
Gridded Population of the World (GPW) v4 (population count UN WPP-adjusted)  
Global Reservoir and Dam (GRanD) v1 (collection)  
Global Roads (Global Roads Open Access Data Set (gROADS), v1)  
Satellite-Derived Environmental Indicators (Global Urban Heat Island (UHI) Data Set, v1)

Su, G., Logez, M., Xu, J., Tao, S., Villéger, S., & Brosse, S. (2021). Human impacts on global freshwater fish biodiversity. *Science*, 371(6531), 835-838. doi:10.1126/science.abd3369

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)

Su, G., Mertel, A., Brosse, S., & Calabrese, J. M. (2023). Species invasiveness and community invasibility of North American freshwater fish fauna revealed via trait-based analysis. *Nature Communications*, 14(1), 2332. doi:10.1038/s41467-023-38107-2

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)

Zhang, Y., Wu, Q., Lai, Z., Deng, Y., Li, H., Li, Y., & Liu, J. (2023, 19-21 June 2023). *Energy drain attack in satellite Internet constellations*. Paper presented at the 2023 IEEE/ACM 31st International Symposium on Quality of Service (IWQoS).

Spatial Economic Data (Global Gridded Geographically Based Economic Data (G-Econ), v4)