

DATA & APPLICATIONS ONLINE

India Data Collection

Overview

The India Data Collection includes high-resolution, geo-referenced socioeconomic and satellite-derived data. These data were published in peer-reviewed articles and used in research on landscape-scale land cover dynamics in India.

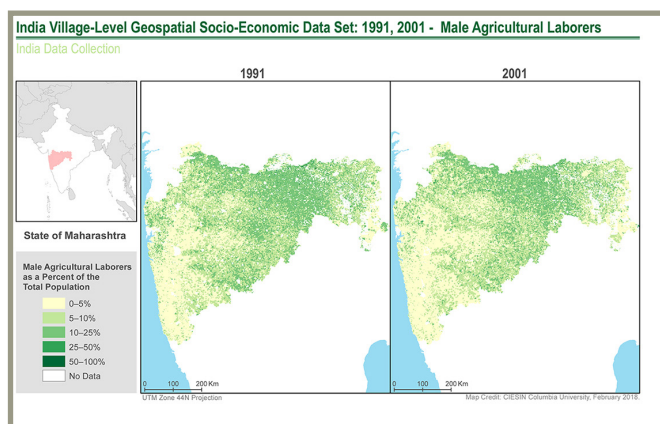
About the Data

The SEDAC Web site provides access to the following data sets:

- The India Village-Level Geospatial Socio-Economic Data Set, v1 (1991, 2001), is a compilation of the finest level of administrative boundaries in India (village/town-level) and more than 200 socio-economic variables collected during the Indian Census in 1991 and 2001. The data are in UTM 44N projection and are distributed primarily as shapefiles. Separate files are provided for each of the 28 states (the number of states during these census years) and combined Union Territories for 1991 and 2001.
- India Annual Winter Cropped Area, v1 (2001–2016) contains annual estimates of the area planted with winter crops for most of India (not including the northeastern states) for each year between 2001 and 2016. These data are based on measurements from the Enhanced Vegetation Index (EVI) for the winter growing season (October through March), derived from NASA's Moderate Resolution Imaging Spectroradiometer (MODIS).

Data Access

Go to <https://bit.ly/2DvdvTU> to download data, maps, and information.



References

Jain, M., P. Mondal, G.L. Galford, G. Fiske, and R.S. DeFries. (2017). An automated approach to map winter cropped area of smallholder farms across large scales using MODIS imagery. *Remote Sensing* 9(6): 566. doi:10.3390/rs9060566.

Meiyappan, P., P.S. Roy, Y. Sharma, R.M. Ramachandran, P.K. Joshi, R.S. DeFries, and A.K. Jain. (2017). Dynamics and determinants of land change in India: Integrating satellite data with village socioeconomics. *Regional Environmental Change* 17(3): 753. doi:10.1007/s10113-016-1068-2.



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EODIS DAACs
SEDAC is one of twelve NASA Earth Observing System Data and Information System (EODIS) Distributed Active Archive Centers (DAACs)

To learn more about data and tools available from EODIS, go to earthdata.nasa.gov.

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