

SEDAC is operated by Columbia University, New York

National Aeronautics and
Space Administration



NASA's Socioeconomic Data and Applications Center (SEDAC)

Human Interactions, Land Use, Environmental Sustainability, Geospatial Data

NASA's Socioeconomic Data and Applications Center, is one of NASA's Earth Observing System Data and Information System (EOSDIS) Distributed Active Archive Centers (DAACs). SEDAC is operated by the Center for International Earth Science Information Network (CIESIN), a unit of the Earth Institute at Columbia University at the Lamont campus in Palisades, NY. SEDAC focuses on human-environment interactions, with the specific mission to develop and operate applications that support the integration of socioeconomic and Earth science data and to serve as an "Information Gateway" between the Earth and social sciences.

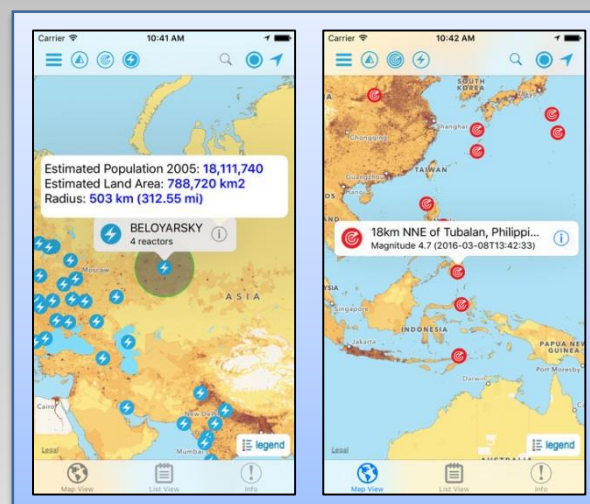
Robert Chen, PhD, CIESIN Director, DAAC Manager
Alex de Sherbinin, PhD, Deputy DAAC Manager

SEDAC data products include:

- Geospatial population data (U.S and global)
- Human settlements and infrastructure (e.g., roads and dams)
- Exposure and vulnerability to hazards and climate change
- Future scenarios of socioeconomic development
- Integrated environmental and sustainable development indicators
- Satellite-based data on land use and air and water quality

Key services and tools include:

- Population estimation service
- SEDAC Hazards Mapper and HazPop mobile app (at right)
- Map gallery and online mapping and query tools



The Hazards and Population Mapper (HazPop) is a free iOS app that enables users to easily display natural hazards in relationship to population and infrastructure. Hazards data include the location of active fires (based on MODIS active fire data); earthquake alerts; and air pollution data (based on MODIS aerosol optical depth). To download the app, visit <http://apple.co/1W2IGJi>

More than 8.5 terabytes of data distributed during FY2018. Nearly 160,000 distinct data users in FY2018.



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