The Center for International Earth Science Information Network (CIESIN) is a data and research center of Columbia University’s Earth Institute that addresses human interactions with the environment. Our focus is on the impacts of human activities and institutional arrangements on the environment, and, in turn, how environmental change affects society.

We manage a number of Web sites that contain data, information, and interactive applications useful to researchers, policymakers, educators, and students.

CIESIN is located at the Lamont-Doherty Campus of Columbia University in Palisades, New York. Its international staff have advanced training in a range of fields, including geography, demography, political science, history, economics, natural resource management, geophysics, information management, library science, geospatial technologies, software engineering and computer science.

www.ciesin.columbia.edu

Contact Information:
P.O. Box 1000, 61 Route 9W
Palisades, NY 10964 USA
Tel: +1(845) 365-8988
Fax: +1(845) 365-8922
E-mail: ciesin.info@ciesin.columbia.edu

THE EARTH INSTITUTE
COLUMBIA UNIVERSITY

The Earth Institute, Columbia University, mobilizes the sciences, education and public policy to achieve a sustainable Earth. Through interdisciplinary research among more than 500 scientists in diverse fields, the Institute is adding to the knowledge necessary for addressing the challenges of the 21st century and beyond. With over two dozen associated degree curricula and a vibrant fellowship program, the Earth Institute is educating new leaders to become professionals and scholars in the growing field of sustainable development. We work alongside governments, businesses, nonprofit organizations and individuals to devise innovative strategies to protect the future of our planet.

www.earth.columbia.edu
Environmental Performance Index (EPI): Assesses national performance with respect to environmental goals.
[link]

Population, Landscape, and Climate Estimates: National-level aggregates of territorial extent and population size (urban and rural) by biome, climate zone, coastal proximity, and elevation.
[link]

Anthropic Biomes: Describes 21 anthropogenic biomes based on population density, land use, biota, climate, terrain, and geology.
[link]

Gridded Species Distribution: Gridded downloadable data for global amphibian and mammal distribution.
[link]

Global Distribution of Mangroves, 2000: Database on the extent of mangroves forests from the Global Land Survey and the Landsat archive, at 30 m spatial resolution.
[link]

Intergovernmental Panel on Climate Change (IPCC) Socioeconomic Data Distribution Centre (DDC): A Web site providing socioeconomic baseline and scenario data for use in climate impact assessments.
[link]

Interactive Tools

Data Visualization and Access Tool: View/download GMIS and HBASE data sets by country, tile, shapefile, rectangle or polygon; at 30 m, 250 m, or 1 km resolution; geographic or UTM projection.
[link]

Application for Extracting and Exploring Analysis Ready Samples (AppEARS): Access/transform geospatial data from federal data archives; select GPW v4 data sets also accessible.
[link]

SEDAC Hazards Mapper: Visualize data and map layers on a variety of themes; analyze potential impacts and exposure.
[link]

Hazards and Population Mapper (HazPop): A free mobile app enables users to display recent natural hazards data in relationship to population, major infrastructure, and satellite imagery.
[link]

Hudson River Flood Impact Decision Support System: This mapping tool assesses flood inundation impacts from sea level rise, storm surge, and rain events, on lower Hudson Valley areas.
[link]