



DATA & APPLICATIONS ONLINE

Biodiversity Conservation And Protected Areas

Overview

The NASA Earth Observing System Data and Information System (EOSDIS) Socioeconomic Data and Applications Center (SEDAC) offers data sets on biodiversity, environmental indicators, and human impacts, as well as on population, poverty, and other topics. Data and maps are available for download to researchers, policy makers, and the general public.

About the Data

Anthropogenic Biomes delineates 21 anthropogenic biomes based on population density, land use, biota, climate, terrain, and geology

Environmental Performance Index (EPI) bi-annually measures progress toward environmental goals

Global Mangroves Forest Distribution, 2000, derived from Landsat imagery, shows the extent of mangrove forest cover for the year 2000

Global Patterns of Human Appropriation of Net Primary Productivity (HANPP) describes global patterns of net primary productivity (NPP) and human consumption thereof

Global Roads includes the Global Roads Open Access Data Set (gROADS, v1) and a catalog of available country-level roads data

Gridded Population of the World, soon to be released in its fourth version, is widely used by ecologists and conservation biologists.

Gridded Species Distribution provides amphibian and mammal richness grids for families and IUCN Redlist threat categories

Last of the Wild, version 2, assesses the extent of human influence on remaining wild areas



Natural Resource Protection Indicators annually measures the degree of protection of a country's biomes

Millennium Ecosystem Assessment (MA) data sets were used to assess ecosystem conditions/trends

Sea Level Rise Impacts on Ramsar Wetlands of International Importance, v1, provides preliminary assessment of coastal Ramsar Sites at risk of inundation as a consequence of sea level rise

Data Access

Go to bit.ly/1Su7k1u to download data, maps, and information.

References

Geldmann, J., L.N. Joppa, and N.D. Burgess. 2014. Mapping change in human pressure globally on land and within protected areas. *Conservation Biology* 28(6): 1604–1616. <http://dx.doi.org/10.1111/cobi.12332>.

Vizcarra, N. 2014. Strange bedfellows. *Sensing Our Planet: NASA Earth Science Research Features*. <https://earthdata.nasa.gov/featured-stories/featured-research/strange-bedfellows>.



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

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