



EARTH SYSTEM SCIENCE

Data and Services

Human Dimensions *Data Set Reference Sheet*

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Physical Properties	Data Center	Selected Data Sets and Data Collections <i>Complete data set listings available through each individual data center. For information about the Distributed Active Archive Centers (DAACs), visit: http://nasadaacs.eos.nasa.gov</i>
Population & Land Use	SEDAC http://sedac.ciesin.columbia.edu	<ul style="list-style-type: none"> • Gridded Population of the World (GPW v3) - Third edition of a population database on a 2.5 arc-minute grid • Global Rural-Urban Mapping Project (GRUMP) - Includes 30 arc-second population grids, human settlements and urban extents • China Dimensions Data Collection - Includes digital administrative boundaries, fundamental GIS layers, county-level data on population, agriculture, economics and hospitals • Population, Landscape, and Climate Estimates, Version II (PLACE II) - National level aggregations of biome, climate, coastal proximity, elevation, and population density data for 1990 and 2000 • U.S. Census Grids 2000 - data sets include population counts plus a wide variety of socioeconomic characteristics • Global Distribution of Poverty - maps, spatial data and tabular data of global poverty. Infant mortality and malnutrition data available globally. Higher-resolution consumption and basic needs data available for 28 countries • Low Elevation Coastal Zone Urban-Rural Estimates - maps and tabular data of country-level estimates of urban, rural and total population and land area in low elevation coastal zones • Urban Landsat: Cities from Space - Landsat IR/visible imagery for 78 urban areas, and data for 28 urban locations around the world
Biodiversity & Ecosystems	ORNL DAAC http://www.daac.ornl.gov	<ul style="list-style-type: none"> • Global N Cycle Fluxes and N2O Mixing Ratios Originating from Human Activity • Geoecology: County-level environmental data for the United States 1964-1979.
	SEDAC http://sedac.ciesin.columbia.edu	<ul style="list-style-type: none"> • Environmental Treaty Texts - Full text of more than 140 international environmental agreements • Central American Vegetation/Land Cover Classification and Conservation Status • Wild Areas - Data regarding three measures of human influence on terrestrial ecosystems by biome. • Human Appropriation of Net Primary Productivity (HANPP) - data and maps for global net primary productivity, human appropriation of NPP and HANPP expressed as a percent of NPP.
Human & Environmental Health	SEDAC http://sedac.ciesin.columbia.edu	<ul style="list-style-type: none"> • China Dimensions Data (e.g. Chinese County-Level Data on Hospitals and Epidemiology Stations, 1950-1985) • 2005 Environmental Sustainability Index - A measure of overall progress toward environmental sustainability, developed for 146 countries. • 2008 Environmental Performance Index - Measurement of 129 countries on 25 environmental indicators including environmental health, air pollution, water resources, biodiversity and habitat, productive natural resources and climate change. • Environmental Treaties and Resource Indicators (ENTRI) - Searchable relational database containing international environmental treaties, treaty summaries, treaty status files and natural resource indicators • Environmental Sustainability - a web site providing access to data from a wide range of environmental sustainability indicator efforts such as 1) Human Appropriation of Net Primary Productivity, 2) National Resource Management Index, 3) Environmental Performance Index, and 4) Environmental Sustainability Index • Natural Disaster Hotspots: A Global Risk Analysis - A set of global geospatial data on six major natural hazards and associated risks of mortality and economic loss • Global Distribution of Poverty - A collection of subnational, spatially explicit poverty data sets for selected proxy measures of poverty at global and national scales.

Climate Change	NSIDC DAAC http://nsidc.org/daac	<ul style="list-style-type: none"> • When the Weather is Uggianaqtuq: Inuit Observations of Environmental Change
	SEDAC http://sedac.ciesin.columbia.edu	<ul style="list-style-type: none"> • Potential Impacts of Climate Change on World Food Supply: Data sets from a Major Crop Modeling Study • Intergovernmental Panel on Climate Change (IPCC) Scenario 1992 (IS92) Updated - Includes version 1.1 of the IS92 Emission Scenario data set • Assessments of Impacts and Adaptations to Climate Change (AIACC) - Provides access to data, software and bibliographic resources related to climate impacts, adaptation, and vulnerability across multiple sectors

NSIDC DAAC National Snow and Ice Data Center DAAC

ORNL DAAC Oak Ridge National Laboratory DAAC

SEDAC Socioeconomic Data and Applications Center

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