NASA

# EARTH SYSTEM SCIENCE
# Data and Services

## Human Dimensions *Data Set Reference Sheet*                    *December 2008*

| Physical Properties | Data Center | Selected Data Sets and Data Collections *Complete data set listings available through each individual data center. For information about NASA's Earth Observing System Data and Information System (EOSDIS) data centers, see: http://nasadaacs.eos.nasa.gov* |
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| **Population & Land Use** | **SEDAC** http://sedac.ciesin.columbia.edu | • Gridded Population of the World (GPW v3) - Third edition of a population database on a 2.5 arc-minute grid<br>• Global Rural-Urban Mapping Project (GRUMP) - Includes 30 arc-second population grids, human settlements and urban extents<br>• China Dimensions Data Collection - Includes digital administrative boundaries, fundamental GIS layers, county-level data on population, agriculture, economics and hospitals<br>• 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<br>• U.S. Census Grids 2000 - data sets include population counts plus a wide variety of socioeconomic characteristics<br>• 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<br>• 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<br>• Urban Landsat: Cities from Space - Landsat IR/visible imagery for 78 urban areas, and data for 28 urban locations around the world<br>• 2008 TerraViva! SEDAC Viewer CD - data-viewing engine and SEDAC data sets enabling the visualization and integration of hundreds of socioeconomic and environmental variables and layers, including a range of satellite-based data |
| **Human & Environmental Health** | **SEDAC** http://sedac.ciesin.columbia.edu | • China Dimensions Data (e.g. Chinese County-Level Data on Hospitals and Epidemiology Stations, 1950-1985)<br>• 2005 Environmental Sustainability Index - A measure of overall progress toward environmental sustainability, developed for 146 countries<br>• 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<br>• Environmental Treaties and Resource Indicators (ENTRI) - Searchable relational database containing international environmental treaties, treaty summaries, treaty status files and natural resource indicators<br>• 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<br>• 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<br>• Global Distribution of Poverty - A collection of subnational, spatially explicit poverty data sets for selected proxy measures of poverty at global and national scales<br>• Environmental Treaty Conference of Party (ENTRI COP) Decision Documents - Full text decision documents for all meetings of the conference of parties (COPs) of ten major international environmental agreements<br>• 2008 TerraViva! SEDAC Viewer CD - data-viewing engine and SEDAC data sets enabling the visualization and integration of hundreds of socioeconomic and environmental variables and layers, including a range of satellite-based data |

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| **Biodiversity & Ecosystems** | **ORNL DAAC** http://daac.ornl.gov | • Global N Cycle Fluxes and N2O Mixing Ratios Originating from Human Activity<br>• Geoecology: County-level environmental data for the United States 1964-1979 |
| | **SEDAC** http://sedac.ciesin.columbia.edu | • Environmental Treaty Texts - Full text of more than 140 international environmental agreements<br>• Central American Vegetation/Land Cover Classification and Conservation Status<br>• Last of the Wild, Version 2 - Three data sets depicting human influence on terrestrial ecosystems using data sets compiled on or around 2000<br>• 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<br>• 2008 TerraViva! SEDAC Viewer CD - data-viewing engine and SEDAC data sets enabling the visualization and integration of hundreds of socioeconomic and environmental variables and layers, including a range of satellite-based data<br>• Species Distribution Grids - 30 arc-second resolution grids available for global amphibian distributions and for birds and mammals in the Americas |
| **Climate Change** | **NSIDC DAAC** http://nsidc.org/daac | • When the Weather is Uggianaqtuq: Inuit Observations of Environmental Change |
| | **SEDAC** http://sedac.ciesin.columbia.edu | • Potential Impacts of Climate Change on World Food Supply: Data sets from a Major Crop Modeling Study<br>• Intergovernmental Panel on Climate Change (IPCC) Scenario 1992 (IS92) Updated - Includes version 1.1 of the IS92 Emission Scenario data set<br>• 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