



## EARTH SYSTEM SCIENCE

# Data and Services

## Human Dimensions *Data Set Reference Sheet*

December 2009

Physical Properties	Data Center	<b>Selected Data Sets and Data Collections</b> <i>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: <a href="http://nasadaacs.eos.nasa.gov">http://nasadaacs.eos.nasa.gov</a></i>
<b>Population &amp; Land Use</b>	<b>SEDAC</b> <a href="http://sedac.ciesin.columbia.edu">http://sedac.ciesin.columbia.edu</a>	<ul style="list-style-type: none"> <li>• Gridded Population of the World (GPW v3) - Third edition of a population database on a 2.5 arc-minute grid</li> <li>• Global Rural-Urban Mapping Project (GRUMP) - Includes 30 arc-second population grids, human settlements and urban extents</li> <li>• China Dimensions Data Collection - Includes digital administrative boundaries, fundamental GIS layers, county-level data on population, agriculture, economics and hospitals</li> <li>• 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</li> <li>• U.S. Census Grids 2000 - data sets include population counts plus a wide variety of socioeconomic characteristics</li> <li>• 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</li> <li>• 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</li> <li>• Urban Landsat: Cities from Space - Landsat IR/visible imagery for 78 urban areas, and data for 28 urban locations around the world</li> <li>• 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</li> <li>• Anthropogenic Biomes - 21 anthropogenic biomes based on population density, land use, biota, climate, terrain and geology</li> </ul>
<b>Human &amp; Environmental Health</b>	<b>SEDAC</b> <a href="http://sedac.ciesin.columbia.edu">http://sedac.ciesin.columbia.edu</a>	<ul style="list-style-type: none"> <li>• 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</li> <li>• Environmental Treaties and Resource Indicators (ENTRI) - Searchable relational database containing international environmental treaties, treaty summaries, treaty status files and natural resource indicators</li> <li>• 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</li> <li>• 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</li> <li>• Global Distribution of Poverty - A collection of subnational, spatially explicit poverty data sets for selected proxy measures of poverty at global and national scales</li> <li>• 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</li> <li>• 2008 TerraViva! SEDAC Viewer CD - Map viewer and software application enables the visualization and integration of hundreds of socioeconomic and environmental variables, including SEDAC and satellite-based data</li> <li>• Anthropogenic Biomes - 21 anthropogenic biomes based on population density, land use, biota, climate, terrain and geology</li> <li>• 2005 Environmental Sustainability Index - A measure of overall progress toward environmental sustainability, developed for 146 countries</li> <li>• China Dimensions Data (e.g. Chinese County-Level Data on Hospitals and Epidemiology Stations, 1950-1985)</li> </ul>

<b>Biodiversity &amp; Ecosystems</b>	<b>ORNL DAAC</b> <a href="http://daac.ornl.gov">http://daac.ornl.gov</a>	<ul style="list-style-type: none"> <li>• Global N Cycle Fluxes and N2O Mixing Ratios Originating from Human Activity</li> <li>• Geoecology: County-level environmental data for the United States 1964-1979</li> </ul>
	<b>SEDAC</b> <a href="http://sedac.ciesin.columbia.edu">http://sedac.ciesin.columbia.edu</a>	<ul style="list-style-type: none"> <li>• Environmental Treaty Texts - Full text of more than 140 international environmental agreements</li> <li>• Central American Vegetation/Land Cover Classification and Conservation Status</li> <li>• Last of the Wild, Version 2 - Three data sets depicting human influence on terrestrial ecosystems using data sets compiled on or around 2000</li> <li>• 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</li> <li>• 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</li> <li>• Species Distribution Grids - 30 arc-second resolution grids available for global amphibian distributions and for birds and mammals in the Americas</li> <li>• Anthropogenic Biomes - 21 anthropogenic biomes based on population density, land use, biota, climate, terrain and geology</li> </ul>
<b>Climate Change</b>	<b>NSIDC DAAC</b> <a href="http://nsidc.org/daac">http://nsidc.org/daac</a>	<ul style="list-style-type: none"> <li>• When the Weather is Uggianaqtuq: Inuit Observations of Environmental Change</li> </ul>
	<b>SEDAC</b> <a href="http://sedac.ciesin.columbia.edu">http://sedac.ciesin.columbia.edu</a>	<ul style="list-style-type: none"> <li>• Potential Impacts of Climate Change on World Food Supply: Data sets from a Major Crop Modeling Study</li> <li>• Intergovernmental Panel on Climate Change (IPCC) Scenario 1992 (IS92) Updated - Includes version 1.1 of the IS92 Emission Scenario data set</li> <li>• 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</li> <li>• Geographic Distribution of Climate Change Vulnerability - Assessment and mapping effort to examine the distribution of vulnerability to climate change, reflecting exposure to change and adaptive capacity</li> <li>• IPCC Fourth Assessment Report (AR4) Observed Climate Change Impacts - statistically significant trends in systems related to climate change variables over the period 1970 to 2004</li> </ul>

**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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