

Ecosystems Data and Information available from NGDC

The Earth's environment is the context for life. Understanding and predicting both the environment and ecological relationships is vital to understanding and managing coastal and marine ecosystems and their biota and for assessing the consequences of climate change for regional ecological systems; tasks that are central to NOAA's mission.

The field of "informatics" involves the design of information systems with respect to complex explanatory and management needs, the preparation of metadata for locating and assessing available information, development of new kinds of data products, and ecological modeling. Through our affiliation with the University of Colorado's Cooperative Institute for Research in the Environmental Sciences (CIRES), a combined program of research and application in Ecosystem Informatics is being developed at NGDC.

For more information on ecosystems data and projects visit our Web site at:

<http://www.ngdc.noaa.gov/seg/eco/>

US Department of Commerce
National Oceanic & Atmospheric Administration (NOAA)
National Environmental Satellite, Data & Information Service
National Geophysical Data Center



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<http://www.ngdc.noaa.gov/products/>

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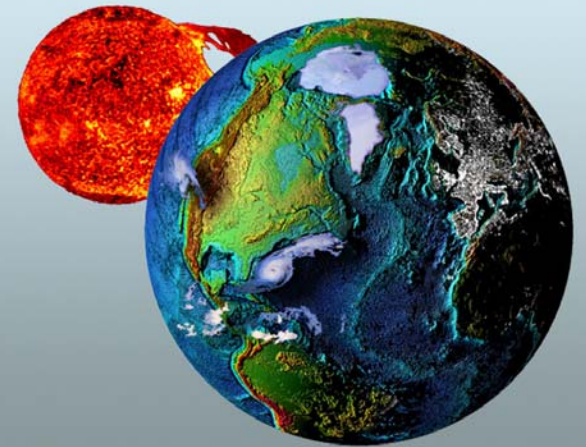
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<http://www.ngdc.noaa.gov/seg/eco/>

NOAA Satellites and Information
<http://www.nesdis.noaa.gov/>

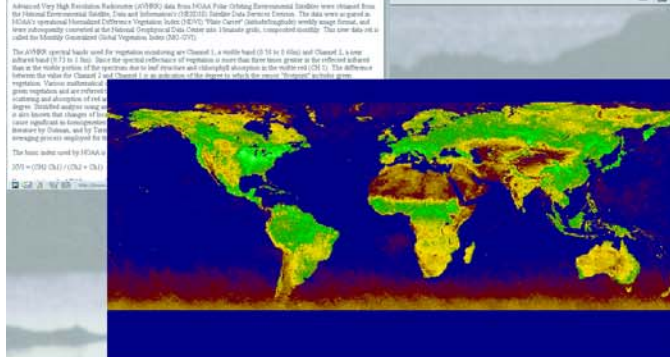
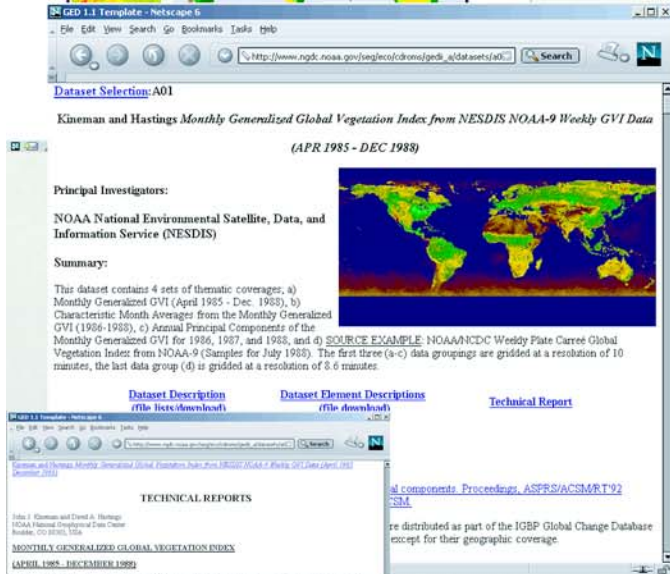
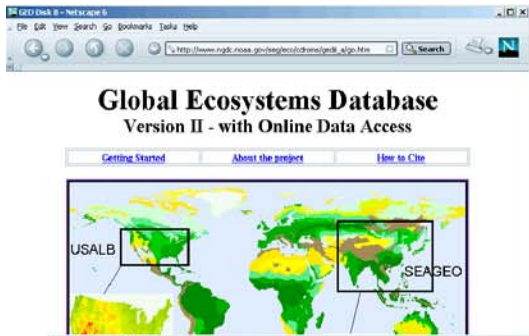


Ecosystems Information



available from the
**National Geophysical
Data Center**





Our Goal: To provide data and information to help forecast changes in our life support systems and assess ecological goods and services for the nation.

Increasingly, it is clear that natural processes, human activity, and environmental change all affect ecosystems. To support NOAA's mission in this area, high-quality data and information products are needed. An example of ecosystems data products available from NGDC are:

Global Ecosystems Database (left) – a collection of integrated, reviewed, and documented data at regional and global scales, including technical reports and access to data. See: <http://www.ngdc.noaa.gov/seg/ecol>

Ecosystems Interactive Maps (right) – Some of the data available in the GED are also available online as interactive maps. Examples shown are Fedorova, Volkova and Varlyguin World Vegetation Cover (top) and UNEP Soil Units. See: <http://www.ngdc.noaa.gov/maps/>

