

Web Site

<http://GOSIC.org>

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*GOSIC provides easy access to Global
Climate datasets*

*GOSIC empowers users by providing easy
access to data and information at
hundreds of datacenters around the world*

*The distributed nature of the vast system
of global and regional data and
information systems is best served by a
single entry point for users*

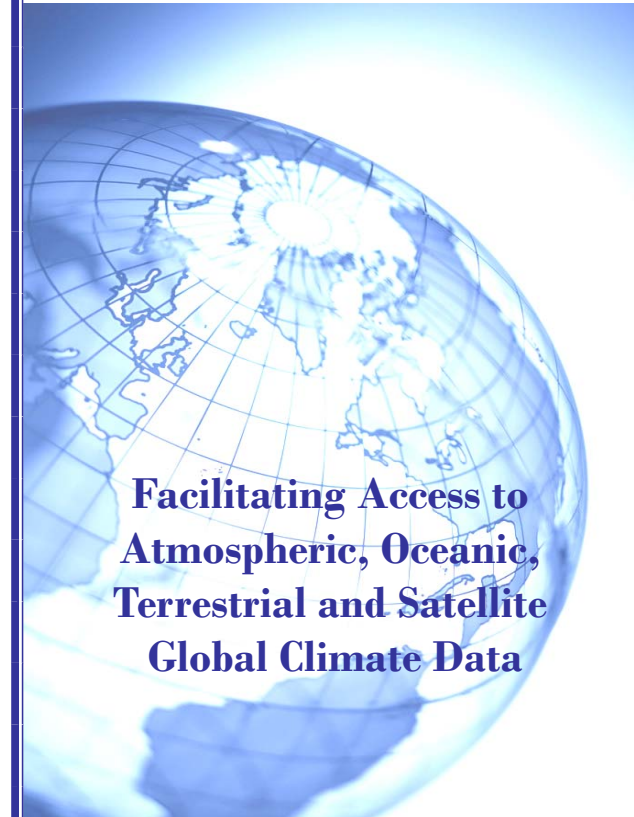
*GOSIC contributes a view of the Global
Observing Systems that demonstrates the
integrated nature and the boundaries of
the systems*

*GOSIC provides a unique road map to
Global Observing Systems data*

*GOSIC is the only entity crossing
observing systems and routinely
providing access to all Global Observing
Systems data*

GOSIC

**Global Observing Systems
Information Center**



**Facilitating Access to
Atmospheric, Oceanic,
Terrestrial and Satellite
Global Climate Data**





Global Observing Systems Information Center

What is GOSIC?

The Global Observing Systems Information Center (GOSIC) provides convenient, central, one-stop access to data and information identified by the Global Climate Observing System (GCOS), the Global Ocean Observing System (GOOS) and the Global Terrestrial Observing System (GTOS) and their partner programs, such as the Global Atmosphere Watch (GAW).

GOSIC gives the user the flexibility to search and access these data by:

- Program Elements
- Key Words
- Themes or topics
- Value-added products such as data matrices
- Portals to the NASA Global Change Master Directory (GCMD) (<http://gcmd.gsfc.nasa.gov/>)

GOSIC is part of the Global Earth Observation System of Systems (GEOSS) data access task. GEOSS is a comprehensive effort to focus on the societal benefits of earth observations. More information at: <http://earthobservations.org/>



What does GOSIC provide?

Links to data

GOSIC provides on-line access to global atmospheric, oceanic, and terrestrial (both *in-situ* as well as satellite-based) observing systems data and information.

Links to metadata

The Dataset Registry is a directory of historical and operational datasets that have been identified as meeting the requirements of one or more of the observing systems. The registry is based on the fields and structure of the NASA Global Change Master Directory (GCMD).

Products (maps, data flow diagrams, data matrices)

Data flow diagrams document the components of the operational observing systems. Data matrices give the user a visual overview of the global observing systems data coverage and provide easy access to data.

Information and documentation

GOSIC provides easy online access to program information about the development of the observing systems and national commitments and links to publications.

Links to and information about regional observing systems

US GCOS, Pacific Islands GCOS and GOOS, Pacific HYCOS, EuroGOOS, IOCARIBE-GOOS, GOOS-Africa, ICES, PICES, FLUXNET, WGMS, GLORIA, NEAR, etc.

History

GOSIC was established in 1997 as a pilot project to develop methods for easy on-line access to the comprehensive base of Global Observing Systems data and information. GOSIC was developed at the University of Delaware, College of Marine Studies, building on experience with information systems for international climate research programs.

Guidance and evaluation of GOSIC is provided by the Scientific Steering Committees of the three observing systems: the Global Climate Observing System (GCOS), the Global Ocean Observing System (GOOS) and the Global Terrestrial Observing System (GTOS). GOSIC reports at these meetings and receives directions for further development.

Since 2007, GOSIC has been operational at NOAA's National Climatic Data Center (NCDC) in Asheville, NC, USA, and is funded by the US GCOS Program at NOAA's NCDC.

