

Global Climate Observing System Support

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

PROJECT SUMMARY

With the potential impacts of global warming and other environmental trends, land-based, long-term observational records are increasingly important for assessment of trends and for predicting future impacts. The National Climatic Data Center, the nation's keeper of the climate record, cooperates with other agencies and international organizations in maintaining observational systems across the nation and world and, importantly, in remote areas, such as the South Pacific, Central Asia, and Africa, where the climate record is particularly sparse. Riverside Technology, inc. supports the National Climatic Data Center by installing, maintaining, and updating observational systems in data-sparse areas of the world, by providing an ongoing assessment of the reliability of the measurement networks and by supporting the National Climatic Data Center's international participation with the international climate community and, in particular, with the World Meteorological Organization.

LOCATION
International

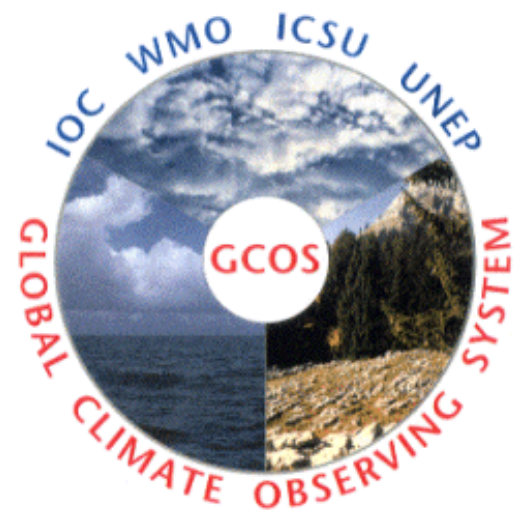
PERIOD
2004 – Present

PROJECT DETAILS

The National Climatic Data Center (NCDC), a line office of the National Oceanic and Atmospheric Administration's (NOAA) National Environmental Satellite, Data and Information Service (NESDIS), is the primary, official source of climate data for the United States and a recognized principal center of expertise on regional, national, and global climate matters.

The U.S. Global Climate Observing System (GCOS) program office is part of NCDC, and supports NCDC in:

- Climate policy development
- International multi-lateral coordination and cooperation on environmental information records acquisition
- NCDC's leading role in NOAA's Climate Observations and Monitoring Oversight within NOAA



Riverside Technology, inc.'s (Riverside) support for the NCDC's GCOS office and its mission involves four main areas:

- Construction of Climate Data Records aggregated from many observation systems as part of a larger effort integral to the Scientific Data Stewardship mission of NCDC.
- Federally mandated data quality planning in support of NCDC's lead coordination function for the activity within NOAA's National Environmental Satellite, Data and Information Service.
- Web systems development in support of the joint GCOS and NOAA Climate Ocean Observing website and associated climate observing monitoring center.
- International Program Management for GCOS improvements made globally in partnership with GCOS Cooperation Mechanism partners around the world.

To learn more about the GCOS Program, visit the GCOS website at <http://gosc.ncdc.noaa.gov/ios/GCOS-main-page.htm>.

RELATED PROJECTS

NESDIS NPOESS Data Exploitation

NESDIS Satellite Analysis Branch

NESDIS Environmental Satellite Processing Center Support

Technical Support, Systems Engineering, and Engineering Services

Integrated Data and Environmental Applications Center Support

RIVERSIDE

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