

With the expertise of the Consortium membership and the reach of its global programs, IRIS advances:

- Standards for instrumentation and data formats
- Free and open access to data
- Nuclear test monitoring
- International and inter-agency collaboration
- International development seismology

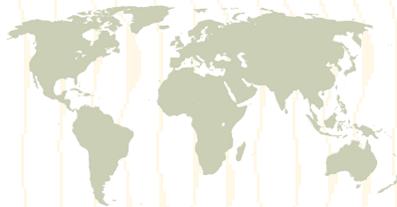


IRIS provides its Members, the scientific community, and the public with a wide range of services and products through its facilities and programs, including:

- Geophysical System Design, Installation and Operation
- Development of Data Processing Tools and Products
- Support for Field Experiments
- Technical Training
- Scientific Meetings
- Student Opportunities
- Teacher Professional Development
- Museum Displays
- Distinguished Lectureships
- Publications

The IRIS mission, actively supported by each Member and Affiliate Institution, is to:

- Facilitate and conduct geophysical investigations of seismic sources and Earth properties using seismic and other geophysical methods.
- Promote exchange of geophysical data and knowledge, through use of standards for network operations, data formats, and exchange protocols, and through pursuing policies of free and unrestricted data access.
- Foster cooperation among IRIS members, affiliates, and other organizations in order to advance geophysical research and convey benefits from geophysical progress to all of humanity.



Founded in 1984 with support from the National Science Foundation, IRIS is a consortium of over 100 US universities dedicated to the operation of science facilities for the acquisition, management, and distribution of seismological data. IRIS programs contribute to scholarly research, education, earthquake hazard mitigation, and the verification of a Comprehensive Test Ban Treaty.

IRIS is a 501 (c) (3) nonprofit organization incorporated in the state of Delaware with its headquarters in Washington, DC.



Incorporated Research Institutions for Seismology
1200 New York Avenue, NW, Suite 400
Washington, DC 20005
(202) 682-2220

www.iris.edu



The National Science Foundation is a major sponsor of the IRIS Consortium.

June 2011

Incorporated Research Institutions for Seismology

THE
IRIS
CONSORTIUM



IRIS
www.iris.edu

The IRIS Consortium, in partnership with its Member Institutions and the scientific community, manages and operates comprehensive, high-quality geophysical facilities that enable exciting discoveries in seismology and the Earth sciences.

Global Seismographic Network (GSN):

A permanent network of over 150 real-time seismological and geophysical sensors that serve the scientific research and monitoring requirements of our national and international community. Providing uniform global coverage of the Earth, this program collaborates with more than 100 host organizations and seismic networks in about 70 countries.

Program for the Array Seismic Studies of the Continental Lithosphere (PASSCAL):

A program that provides and supports portable seismographic instrumentation for use by individual scientists or research teams for targeted experiments worldwide. On average, the program deploys more than 500 instruments annually, many to remote areas, and has facilitated more than 650 experiments since its inception.

Data Management System (DMS):

A system for collecting, archiving and distributing data from IRIS facilities, as well as from a number of other national and international networks and agencies. As the world's largest seismological data archive, its holdings exceed 150 terabytes of observational data which are open and freely available via the internet.

Education and Public Outreach (EPO):

A program that develops and implements a wide range of innovative products and activities to increase public understanding of seismology and Earth science. Often delivered in partnership with other organizations, these well respected products are designed to serve diverse audiences including the general public, students in grades 6-12 and their teachers, and post-secondary students and college faculty.

USArray:

The seismic and magnetotelluric components of EarthScope, a program that is exploring the structure and evolution of the North American continent at multiple scales. These state-of-the-art facilities are providing the foundation for integrated studies; engaging hundreds of scientists, students, and the public; and revolutionizing our knowledge of the Earth.

