



IODP Information Service

Hans-Joachim Wallrabe-Adams (1), Michael Diepenbroek (1), Hannes Grobe (2), Robert Huber (1), Uwe Schindler (1), and Jamus Collier (3)

(1) MARUM - Center for Marine Environmental Sciences, Univ. of Bremen, Germany (hwallrabe@pangaea.de), (2) Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Germany, (3) IODP-MI, Tokyo, Japan

The Integrated Ocean Drilling Program (IODP) has developed a web based information service (Scientific Earth Drilling Information Service, SEDIS, <http://sedis.iodp.org>) which is the central entrance point for IODP data search. The three main data contributors to SEDIS currently are the IODP implementing organizations (IOs) from the United States (USIO), Japan (CDEX) and Europe with Canada (ESO). SEDIS integrates the data search of the IO databases by harvesting distributed metadata without the necessity to centralize the data storage.

Presently SEDIS provides a search engine for data sets and publications. A thesaurus supports information search. Data sets can be downloaded via SEDIS. An expedition catalog completes the database.

At the moment the next phase in developing SEDIS is in progress. The final SEDIS will include an advanced data search and download functionality. Visualization and analysis tools (e.g. GIS, GeoMapApp, CoreWall) and mapping tools (Internet Mapping Service, Google™ Earth) will be implemented. Additionally a data submission application is planned.

SEDIS is also being able to include other IODP relevant scientific drilling data from terrestrial or lake drilling. SEDIS is designed to integrate distributed scientific data via metadata by using international standards for metadata and data exchange and transfer and uses open source components.