



SEDIS – the Scientific Earth Drilling Information Service for IODP

M. Diepenbroek (1), H. Grobe (2), R. Huber (1), U. Schindler (1), H.-J. Wallrabe-Adams (1), and J. Collier (3)

(1) MARUM, WDC-MARE/PANGAEA, Bremen, Germany (hwallrabe@pangaea.de, +49 (0)421 21865505), (2) Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Germany, (3) IODP-MI, Sapporo, Japan

To facilitate access to all data and information related to scientific ocean drilling, the Integrated Ocean Drilling Program (IODP) is developing a web based information service (Scientific Earth Drilling Information Service, SEDIS). 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 the metadata for data discovery and harvesting as supplied by the IOs (<http://sedis.iodp.org>). The access to publications, reports, minutes, citations and post expedition research is also implemented and the content of the database is continuously increasing. An expedition catalog completes the database.

The next phase in developing SEDIS will include an advanced data search and visualization and mapping tools.

In the future SEDIS will also be able to include other available scientific drilling data from continental 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.