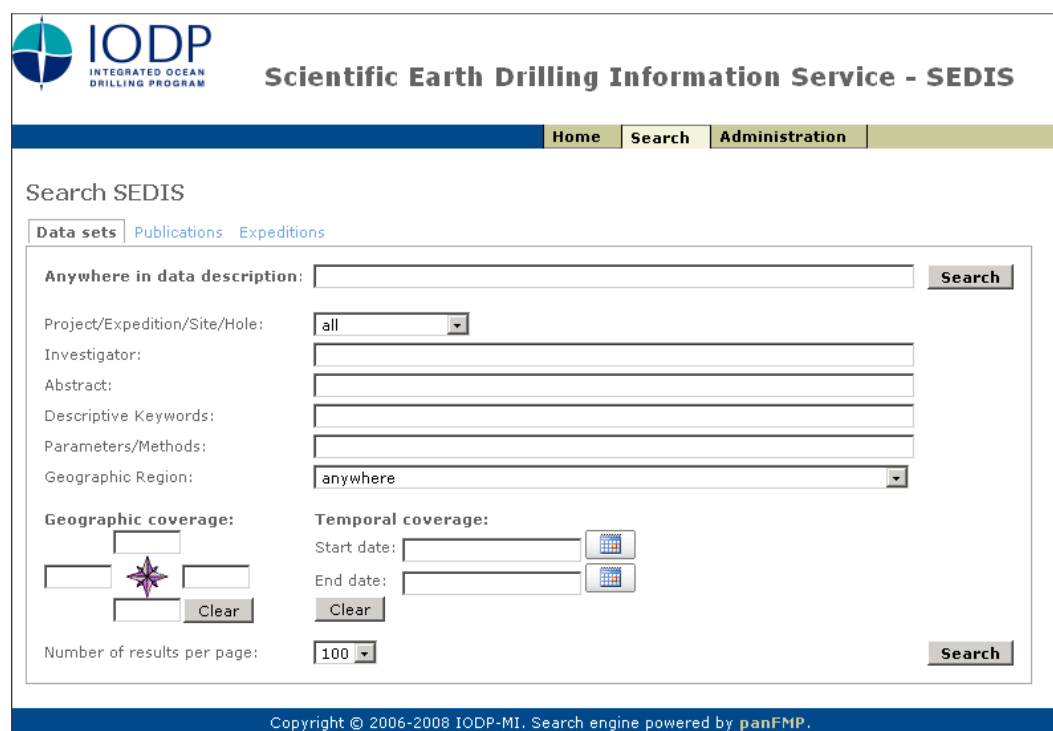


SEDIS - The Scientific Earth Drilling Information System for IODP

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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.



The screenshot displays the SEDIS web interface. At the top left is the IODP logo (Integrated Ocean Drilling Program). The main title is "Scientific Earth Drilling Information Service - SEDIS". A navigation bar includes "Home", "Search", and "Administration". The "Search SEDIS" section has tabs for "Data sets", "Publications", and "Expeditions". The search form includes a text input for "Anywhere in data description:" with a "Search" button. Below are dropdown menus for "Project/Expedition/Site/Hole:" (set to "all") and "Geographic Region:" (set to "anywhere"). There are text inputs for "Investigator:", "Abstract:", "Descriptive Keywords:", and "Parameters/Methods:". "Geographic coverage:" is shown with a map icon and a "Clear" button. "Temporal coverage:" includes "Start date:" and "End date:" with calendar icons and a "Clear" button. At the bottom, "Number of results per page:" is set to "100" with a "Search" button. A footer note states "Copyright © 2006-2008 IODP-MI. Search engine powered by panFMP."

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.