

## Status Report on the SedDB Sediment Geochemistry Database: March, 2012

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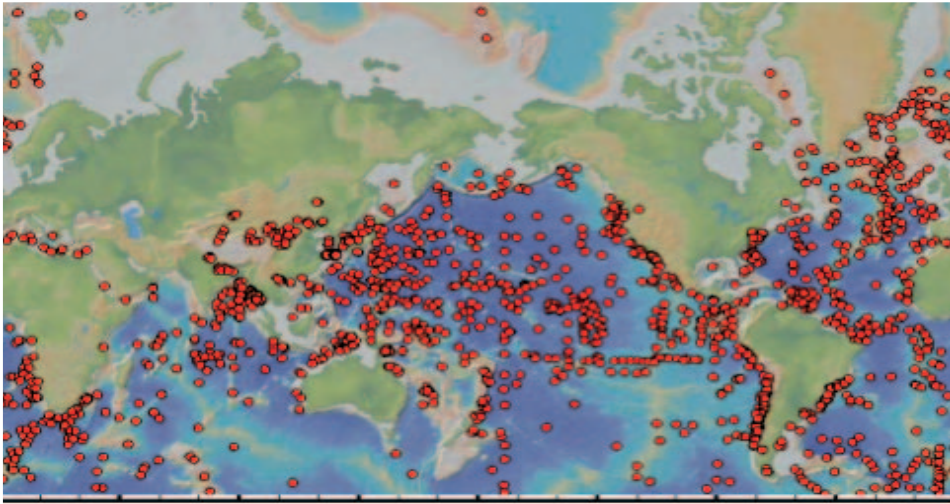


Figure 1. Current SedDB data sites plotted in GeoMapApp. Note that each dot may represent dozens of, or more, data values.

SedDB ([www.seddb.org](http://www.seddb.org)) is an online database that consolidates, manages and provides open access to an integrated compilation of sedimentary geochemical data for the research and educational communities (Lehnert et al., 2007).

SedDB is part of the NSF-funded IEDA data facility (Integrated Earth Data Applications, [www.iedadata.org](http://www.iedadata.org)) that operates, among others, the Marine Geoscience Data System, the GeoPRISMS, Ridge2000, and MARGINS Data Portals, the geochemical data systems EarthChem, PetDB, SedDB, and VentDB, and the System for Earth Sample Registration (SESAR).

The relational structure of the SedDB database allows users to quickly and easily access comprehensive integrated global data sets over the web, and to extract subsets that include data from any number of publications based on queries customized to an investigator's interests.

### Data Holdings

Since its inception and initial release in 2006, SedDB data holdings have steadily grown both in number and geographical scope while maintaining focus on areas of particular interest to the user community such as the northern Indian Ocean,

Southern Ocean, North Atlantic/Arctic Oceans. As of the latest data upload in February 2012, SedDB contains:

Data from References	Cores	Samples	Individual Values	Individual Analytes
506	10,779	85,612	614,999	234

SedDB's original mandate to compile data from the MARGINS Focus Sites of Izu-Bonin, CentAm, and the Equatorial Pacific has been fulfilled with the following statistics:

	Data from References	Cores	Samples
Izu-Bonin-Marna	57	766	4,037
Cntrl America	32	526	2,210
Equatorial Pacific	141	2472	23,024

In a proactive response to the establishment of the GeoPRISMS Alaska Primary Site significant effort has been made to include as many data as possible for this study site. To date, geochemical values for nearly 80 analytical parameters from over 600 samples from the Alaska-Aleutian area are available at SedDB.

### Data Submission

SedDB encourages investigators to contribute their data to the database so that it can be discovered and reused by a diverse community now and in the future. Data can be submitted using templates available at <http://www.geoinfogechem.org/data/contribute>. The templates provide guidance to assure that relevant information regarding the analytical data quality and sample provenance is included, following the Editors' Roundtable Recommendations for the Publication of Geochemical Data (<http://www.seddb.org/contribute>). Samples should first be registered with International Geo Sample Numbers (IGSN), which can be obtained at the System for Earth Sample Registration (<http://www.geosamples.org>). The IGSN ensures unique identification and unambiguous referencing of data to samples.

Please contact us at: [info@seddb.org](mailto:info@seddb.org) with any questions or for help with data submission.

### References

Lehnert, K., et al., 2007. SedDB- A New Information System to Facilitate Use of Marine Sediment Geochemistry in Science and Education. MARGINS Newsletter No. 18, Spring 2007:9-11