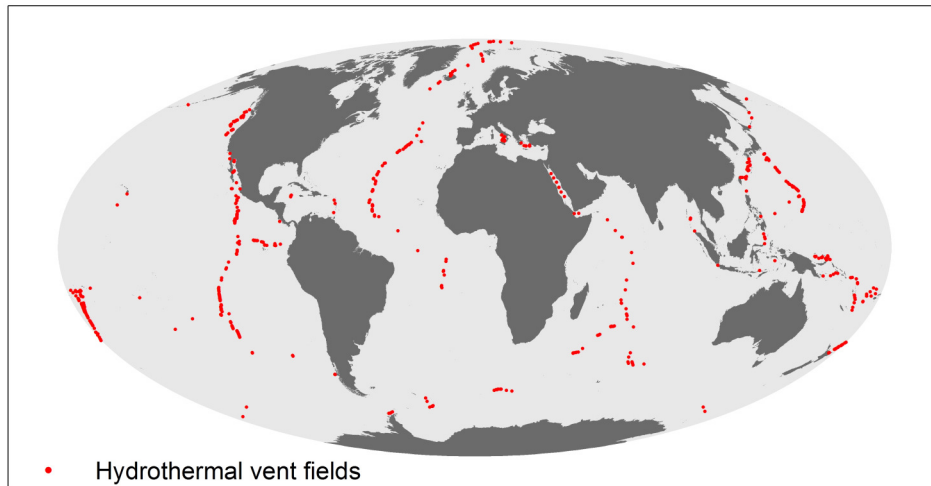


Global Distribution of Hydrothermal Vent Fields (2013)



Description: The InterRidge Vents Database is a global database of submarine hydrothermal vent fields. The InterRidge Vents Database is supported by the InterRidge program for international cooperation in ridge-crest studies (www.interridge.org).

Citation(s): Beaulieu SE (2013). InterRidge global database of active submarine hydrothermal vent fields ("InterRidge Vents Database"; version 3.2): prepared for InterRidge. Beijing (China): InterRidge, Peking University. URL: <http://vents-data.interridge.org> [insert access date]

Temporal range: 1800-2011

Geographical range: Global

Supplementary information (eg attribute table): Main fields of information of the online database (at http://vents-data.interridge.org/ventfields_list_all): name of the vent field (Vent Field Name); activity status (confirmed active, inferred active, inactive); tectonic setting (e.g. Mid-ocean ridge, arc volcano); region of the globe; latitude; longitude; maximum or single reported depth; year and how discovered.

The tabular version of the database (http://vents-data.interridge.org/ventfields_list_all_CSV) contains additional fields of information, including discovery and other references. Details can be accessed at: http://vents-data.interridge.org/about_the_database#Contents.

The database can be viewed interactively at: <http://vents-data.interridge.org/ventfields-geofield-map>.

The factsheet providing background information relevant to this dataset can be found at <http://wcmc.io/MarineDataManual> (annex 1).

The InterRidge Office is based at Peking University (China).

Some attributes of all of the records in the database are also coded in RDF (Resource Description Framework) and available as Linked Open Data.

Purpose of creation:

The database aims to provide a comprehensive list of active and inferred active (unconfirmed) submarine hydrothermal vent fields for use in academic research

and education. It is anticipated that the database will become the international standard for all known sites of submarine hydrothermal activity, which can be updated simply by submitting an electronic message to the InterRidge Office.

Creation methodology: The contents of the InterRidge Vents Database were derived principally from the open literature.

Lineage (versioning): This is version 3.2 of the database.

Category: Biogeographic classification

Keywords: deep sea, high seas, benthic, marine

Similar datasets: ChEssBase-002

Quality, limitation(s), fitness for use: Every effort was made to check each entry for any errors that may have occurred during coding, transcription or reformatting, but InterRidge is not responsible for accuracy or completeness in the original data sources.

Maintenance frequency: Data are updated in intervals that are uneven in duration.

Main access/use constraint: Creative Commons Attribution-NonCommercial-ShareAlike 3.0 Unported (CC BY-NC-SA 3.0). See <http://creativecommons.org/licenses/by-nc-sa/3.0/> for details. Free to (1) copy/distribute the work, and (2) adapt the work. The material may not be used for commercial purposes.

Other access/use constraints: User are asked to acknowledge InterRidge when using the database, and to send InterRidge the citations of any publications based on the information contained in the database.

Contact organisation: Woods Hole Oceanographic Institution

Organisation type: Custodian **Acronym:** WHOI

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City: Woods Hole **Country:** Massachusetts, USA

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Web site: www.interridge.org

Dataset ID: IntRid-001

Main format: Tabular (.csv) Other format(s): RDF (for selected attributes)

Distribution format: Tabular (.csv) Dataset size (uncompressed): 639 Kb

Webpage and/or download: http://vents-data.interridge.org/ventfields_list_all

Other webpage: http://vents-data.interridge.org/about_the_database - Version3

Web map service:

Resolution, scale: Not applicable Reference system: WGS 1984

West bounding: -180.0 East bounding: 179.8

South bounding: -64.5 North bounding: 87.0 Date of metadata:

Factsheet: Yes Metadata standard: UNEP-WCMC Specific 27/08/2014