



PANGAEA®

more than 20 years serving the earth science community with data archiving and publication

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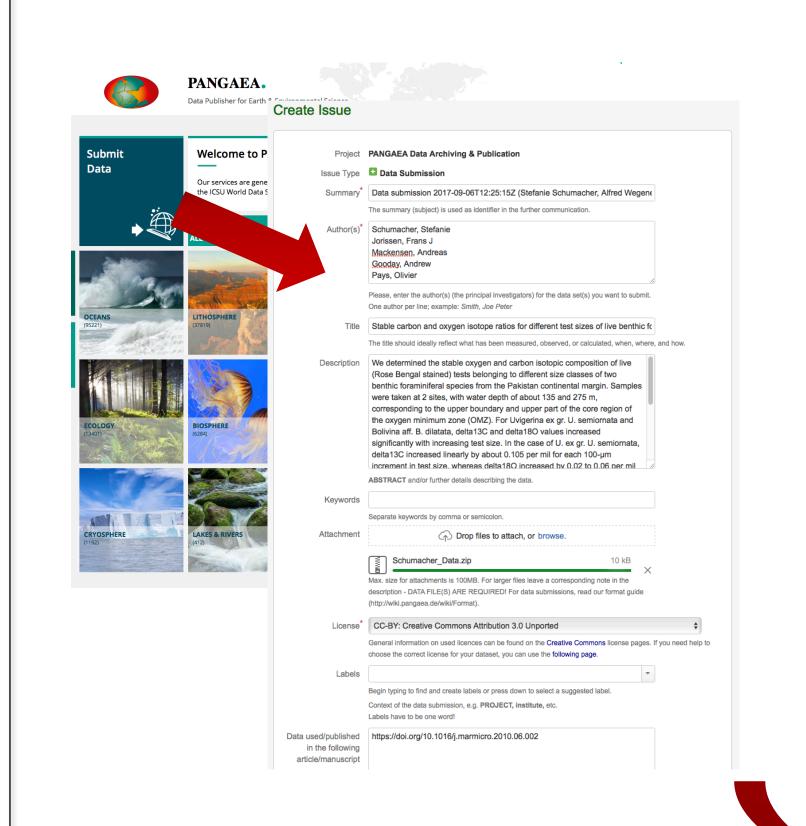
PANGAEA - Data Publisher for Earth & Environmental Science (<u>www.pangaea.de</u>) is an Open Access data-library aimed at archiving, publishing and distributing georeferenced data from earth system research.

The system guarantees long-term availability of its content through a commitment of the hosting institutions.

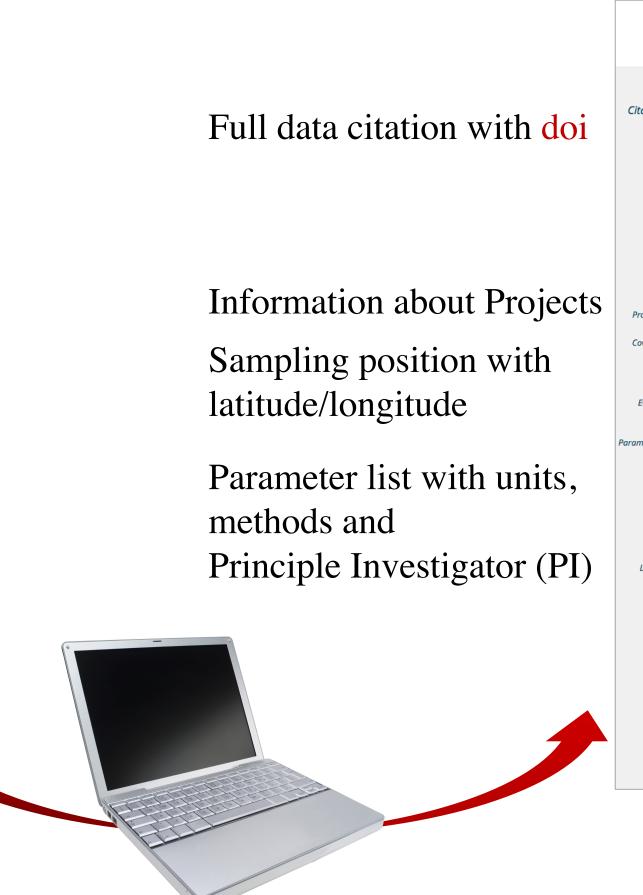
Observational and analytical data files are stored with their metadata in a relational database. Each data set includes a bibliographic citation with a Digital Object Identifier (DOI). Data are archived as an article supplement or as an independent citable data-publication.

PANGAEA actually provides more than 365 000 data set, consisting of >11 billion data points, including collections from national and international research programs.

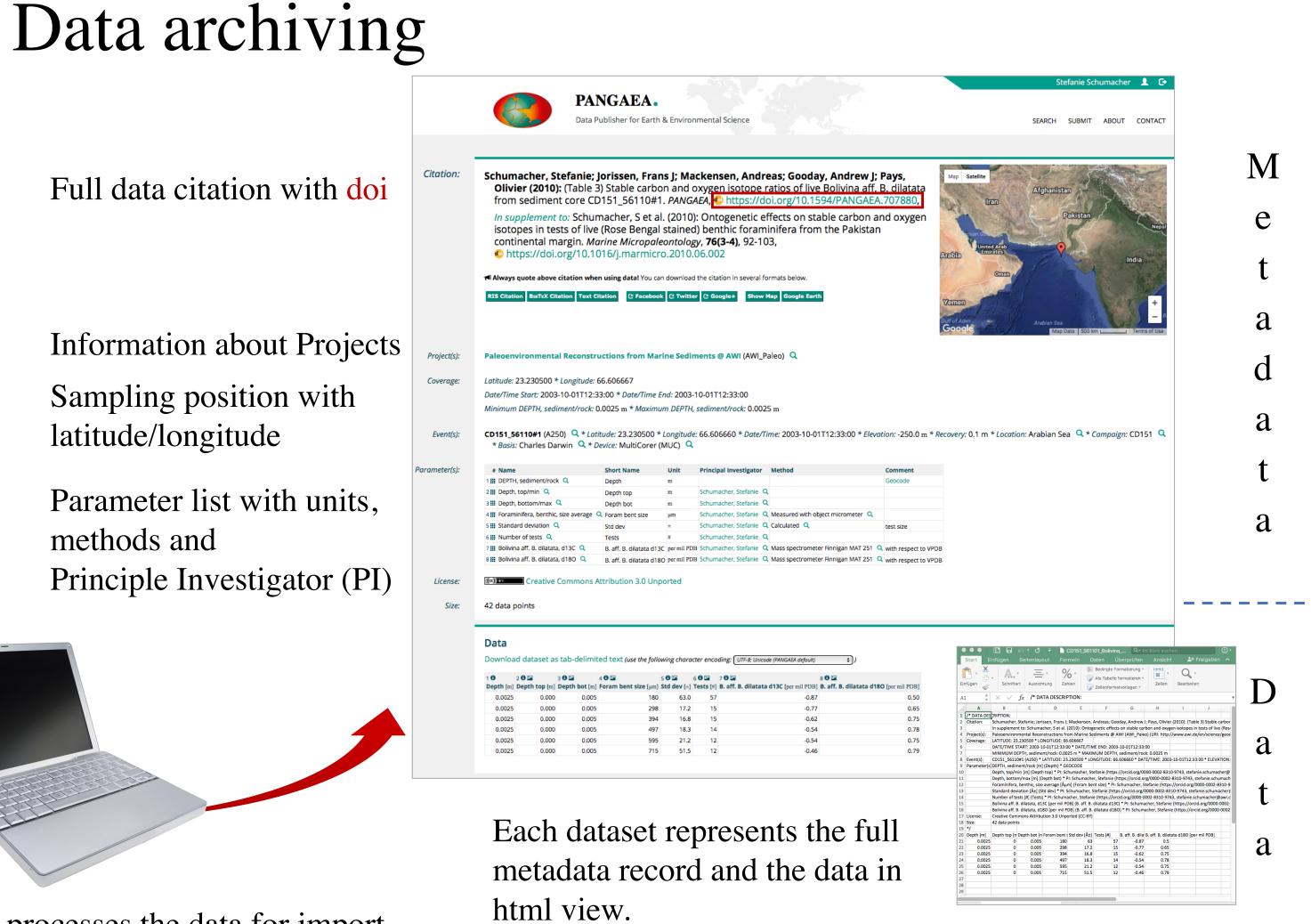
PANGAEA is open to any project, institution, or individual scientist to use or to archive and publish data.



Data and metadata are submitted via a ticket system. TAB-delimted text files or excel-format are preferred. Binary objects like photos, images, graphics, maps, models, Movies or NetCDF files are also accepted.



A Pangaea-Editor processes the data for import into the relational data base. This includes an editorial review process.



The dataset can be downloaded as TAB-delimited text file.

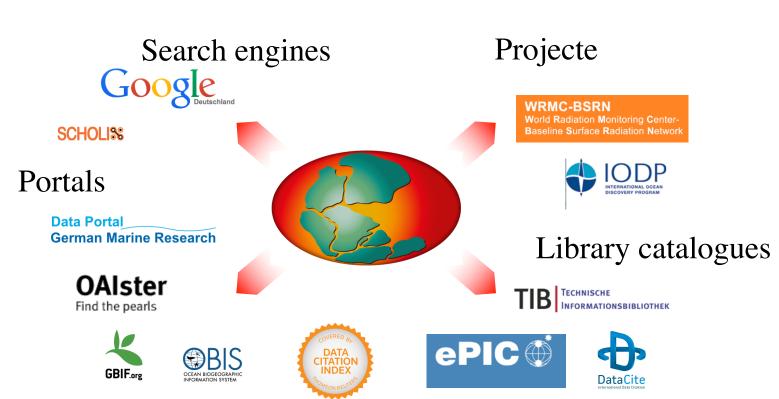
Data access



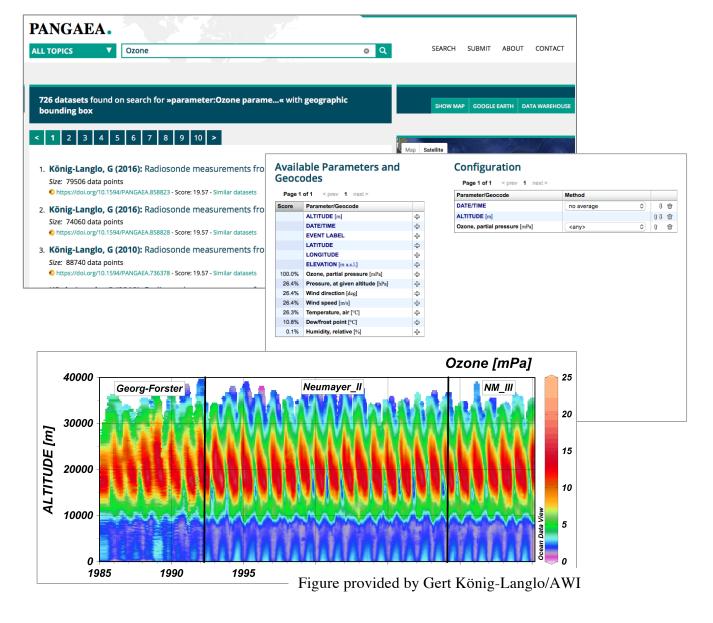
The PANGAEA Search Engine (www.pangaea.de) bases on Elasticsearch and provides:

- Google-like search-field for author names, pramaters, projects, ships etc.
- topic base search fields
- map based search

Facettedsearch offers filters to specify the search and outreach.



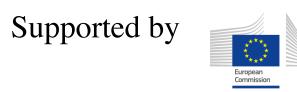
PANGAEA is furnished with a well developed interoperability framework thus allowing to disseminate metadata and data to registries, data portals, and other service providers.



Archived data are machine readable and mirrored into the PANGAEA data warehouse. The data warehouse allows efficient compilations hughe data amounts from severel datasets. The output file can easily used for further compilations, visualization and models.

WORLD DATA SYSTEM









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