

SPP Mountainbuilding in 4D Data Management

AlpArray Meeting 29.-30.08.2018

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Data management for the 4D MB SPP

Data management system will be based on the GFZ data services.

Aims:

Make (meta)data searchable and citeable.

Store project results (models, maps, etc.) at a central location.

Foster exchange between research groups.

Present project output.

Search the Research Data Repository of GFZ Data Services below and read [here](#) how to publish data.

Search

(press ESC to close suggestions)

Spatial Filter

Close Map

+

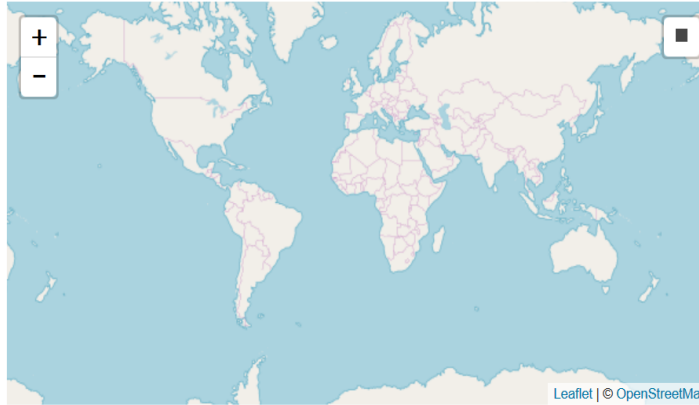
Datcenters

CRC 1211 Database
 EnMAP
 GEOFON Seismic Events
 GEOFON Seismic Networks
 GFZ German Research Centre for Geosciences
 GIPP Geophysical Instrument Pool Potsdam
 ICGEM International Centre for Global Earth Mo...
 IGETS International Geodynamics and Earth Tid...
 ISDC Information System and Data Center
 PIK Potsdam Institute for Climate Impact Resea...
 SDDB Scientific Drilling Database
 SFB806 and CRC806-Database
 TEREHO
 TR32DB Transregio 32 Database
 WDS World Stress Map

Categories

- ☐ earth science
- ☐ earth science services

Top Subjects



Found 6259 datasets.

gms-vis: a web-based visual-analytics approach for input data assessment, job parameter definition and progress monitoring for the GeoMultiSens platform

Authors: Eggert, Daniel; Sips, Mike; Dransch, Doris

Abstract: gms-vis is a web-based implementation of our visual-analytics approach for assessing remote-sensing data. It is implemented based on the GWT framework. Once deployed through a webserver it acts as the user interface for the GeoMulti-Sens (GMS) platform. Within the interface users can [more](#)

The Iquique Local Network and PicArray

Authors: Cesca, Simone; Sobiesiak, Monika; Tassara, Arturo et al.

Abstract: The Iquique Local Network (ILN), a temporal network of broadband and short period seismic stations has been operating in Northern Chile since 2009. The aim of this installation was to locally densify the permanent seismic installation of the Integrated Plate Boundary Observatory in Chile (IPOC), [more](#)

GFZ Data Services

- Research Data Repository for the **Geosciences domain**
- **DOIs** for data and software
- Optional: Data description via **Data Reports** (DOI, internally reviewed)
- **OAI-PMH Interface**
- **Data:** real-time data streams (e.g. seismic waveforms, climate stations, observatories), tables, maps, model data (input/ output data of climate models, analogue and numerical modelling data), data products,

Data access via DOI Landing Pages

- Citation information
- PIDs: ORCID, Fundref
- Contributors listed
- Controlled Vocabularies: NASA GCMD Science Keywords, GeoSciML....
- XML metadata for download: ISO19115, DataCite, .dif, Dublin Core
- Related References to papers, reports, data, software, IGSN
- Map

GFZ
Helmholtz-Zentrum
POTSDAM

Supplementary material for analogue experiments on the interactions of two indenters, and their implications for curved fold-and-thrust-belts

Cite as:
Reiter, Karsten; Kukowski, Nina; Ratschbacher, Lothar; Rosenau, Matthias (2016): Supplementary material for analogue experiments on the interactions of two indenters, and their implications for curved fold-and-thrust-belts. GFZ Data Services. <http://doi.org/10.5880/GFZ.4.1.2016.007>

Data Files

Abstract

Contributors

Data Description

Related Work

Find More Research Data

Location

Dataset

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Data Files

Abstract

Contributors

GFZ German Research Centre for Geosciences

Keywords


GCMD Science Keywords

Related Work

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 SDDB Scientific Drilling Database
 SFB806 and CRC806-Database
 TERENO
 TR32DB Transregio 32 Database
 WDS World Stress Map



- DOI Services for ICGEM, IGETS (IAG), partner institutes, large collaborative projects  Organisation in Data Centres
- Project-specific layout of DOI Landing Pages

DataCite Metadata

Licenses and Rights	
Licence	

Contact Person(s) / Point of Contact				
Author (Lastname, Firstname)	Position	Email	Website	Affiliation

6 **emanuel.kaestle@fu-berlin.de**

6

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Form Errors

Descriptive Metadata

Descriptive Metadata types:

- **Contextual Metadata:** e.g. transfer function, instruments used, processing steps, resolution (header, readme, data report, data paper, etc.)

highly variable between the disciplines but key information for data reuse

- **Metadata for Data Discovery**

Who? What? When? Where? Why?

essential for data discovery, DOI registration, etc.: international standards/schemes across all disciplines, Data Portals, Repositories

General data management scheme

BEFORE publication

Researchers enter metadata.

Metadata is available to everyone and publicly searchable.

Project-specific landing page gives an overview of the available metadata.

Actual data is stored locally NOT publicly accessible (unless the researcher provides a link to his data).

Metadata is linked to other data services (DataCite, B2FIND, EPOS, ...).

AFTER publication

A DOI is created by the GFZ, data becomes citeable.

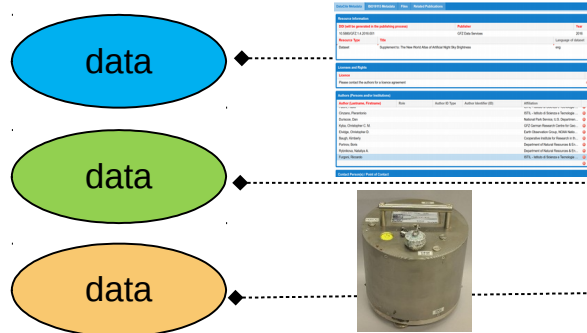
The data can be stored on a GFZ server.

Metadata links now to the actual data. Metadata remains accessible and searchable over the same landing page as before.

Access to data can be open or restricted.

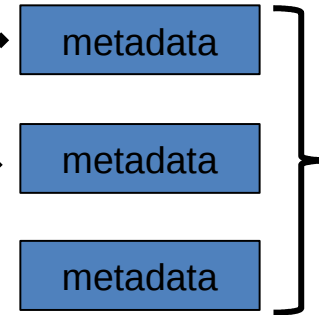
General data management scheme

BEFORE publication



Intern (local)

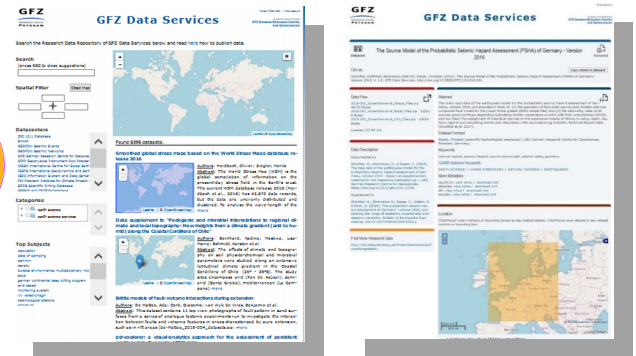
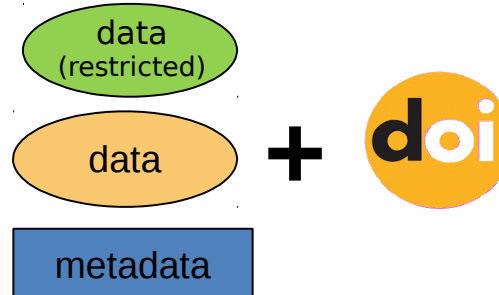
Landing page/search page



public (central server)

AFTER publication

GFZ Data Services



Slide: Courtesy of Kirsten Elger (GFZ)

To-Do

Clarify what kind of data will be published.

Which data should be made available publicly/only internally?

Project specific keywords? Metadata dictionary?

Adapt metadata editor to our project.

Creation of a landing page (integration into existing SPP web page).

Collect contributions from members.

More information: <http://dataservices.gfz-potsdam.de>