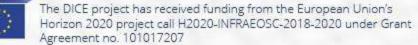


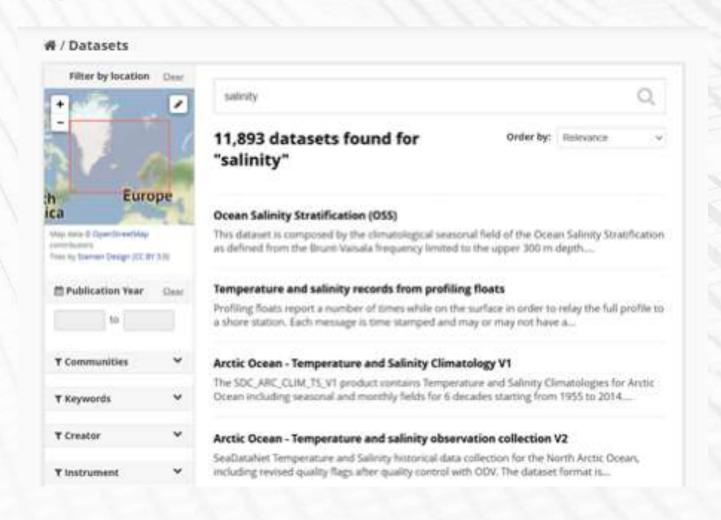
Data Discovery with B2FIND

Claudia Martens B2FIND martens@dkrz.de









- → discovery portal for research data, allows freetext and facetted search across scientific disciplines
- → 48 Communities on productive machine, ~ 1,5 mio records
- → enables findability of data stored in EUDAT data centres, other research infrastructures or data provider
- → central indexing tool for **EOSC**hub, discovery service in EOSC, service in **DICE**

17/11/2021



The effort we put in Communitiy needs!

Harvesting supported channels

- ◆ OAI PMH
- CSW
- ❖ Rest API
- ❖ [SparQL]

Search options

- free text search
- faceted search e.g. spatial/temporal coverage, Instrument, Discipline, Publisher, ResourceType, ...
- narrow down results

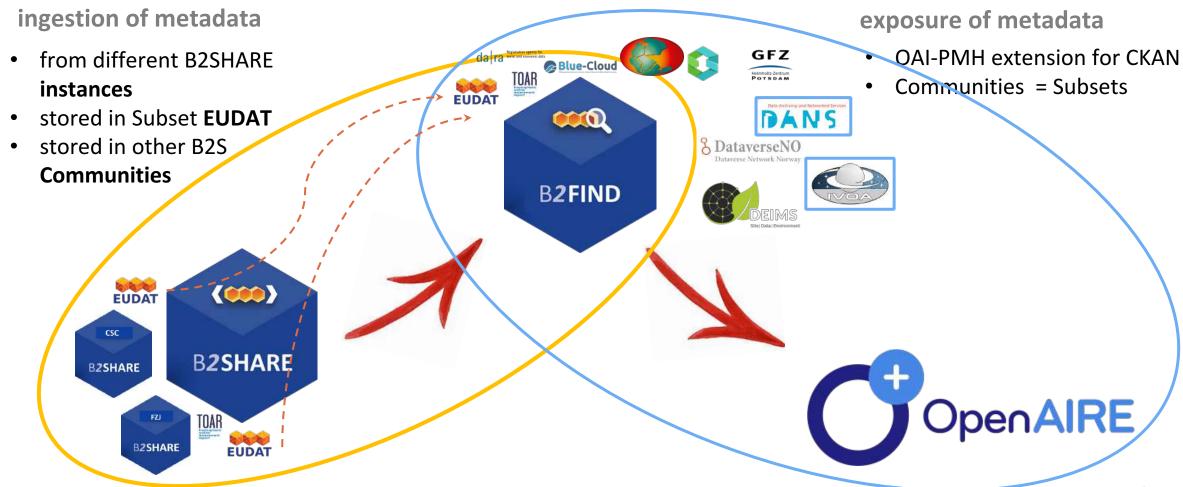
Mapping supported md standards

- **★** Dublin Core
- **★** Datacite
- **★** OpenAire
- **★ EUDAT Core**
- ★ ISO 19139/19139, FGDC
- ★ DDI 2.5
- **★** community specific





catalogue and aggregator





B2SHARE

Spatio-temporal analysis of historic and projec */ Datasets formation in the Rhine River basin - Result figu

by Rottler, Erwin; Bronstert, Axel; Bürger, Gerd; Rakovec, Oldrich;

Description: Repository accompanying the manuscript "Rhine flood stories: Spatio-temporal of histor

The genesis of riverine floods in large river basins often is complex. Streamflow originating from preci snowmelt and different tributaries can superimpose and cause high water levels threatening cities an along the river banks. We developed an analytical framework that captures and shares the story behihistoric and projected streamflow peaks in the large and complex basin of the Rhine River. Our analyst hydrological simulations with the mesoscale Hydrolgical Model (mHM) forced with an ensemble of clir projections. The spatio-temporal analysis of the flood formation includes the assessment and mapping liquid precipitation, snow cover changes, generated and routed runoff, flood extent and the excess ru sub-basins up to ten days before a streamflow peak.

This repository holds all result figures (black and white figure theme) exported for the investigated str at gauges Cologne, Kaub, Worms and Speyer. Furthermore, we provide a Docker Image with an web a enables the interactive investigation of all runoff peaks.

R-scripts used to analyse simulation results including the web-based viewer are available at: https://gi /ERottler/rhine-flood-genesis

Disciplines: 3.3.13 → Earth sciences → Hydrology

Veryworder Phine Piver flood formation; mUS

DOI: 10.23728/b2share.d7595d0f30bd4335b0e5c1d9da474d37 PID: 11304/7d4b2739-a892-4831-baea-5acbd9aa6700 N

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Publication date

B2FIND



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Communities: EUDAT x

Soil moisture observation in a forested headwater cat

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Spatio-temporal analysis of historic and projected floo

Repository accompanying the manuscript "Rhine flood stories projected Rhine River flood formation'. The genesis of riverine

Access the university. A spatial Heckman probit mode

Dataset accompanying the publication "Equal opportunities to An application with a spatial Heckman probit model" (Mathem

Spatial spillover effects of agricultural transport costs

Dataset accompanying the publication "Spatial spillover effect Peru" (Land 2022, 11, 58). The role of agricultural transport co

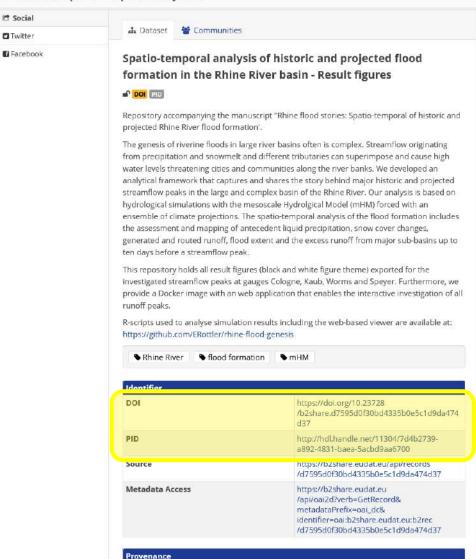
HRV Data

Time dependence of heart rate variability during treadmill run

CINECA infrastructure and resources for OGS users

Set of presentations given to OGS users on resources available

备 / Datasets / Spatio-temporal analysis ...









All services for free! (until June 2023)

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