

Integrated management of Project, Funding and Research Data: The experience of BORIS Portal

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Open Science at the University of Bern



Research Data Management



Open Access



Bern Open Publishing



BORIS Portal



BORIS Publications

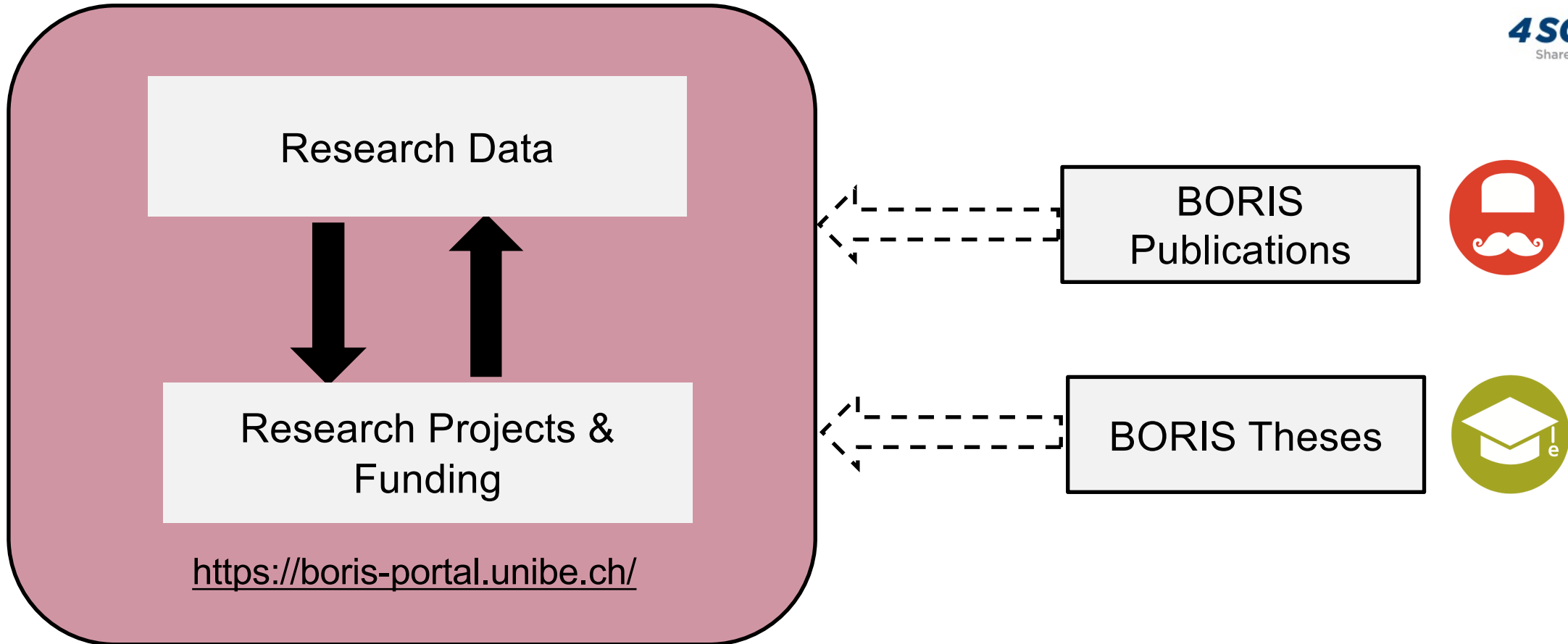


BORIS Theses



Identifiers

BORIS Portal



BORIS Portal – a comprehensive CRIS for the University of Bern

- > DSpace Version 5
- > Go-Live September 2021
- > Two applications:
 - > Publication of project- and funding information > Vice Rectorate Research
 - > Publication of research data > Clinical Trial Unit of the University of Bern



BORIS Portal: Research Data

- > Institutional Research Data Repository of the University of Bern
- > Publication of research data and/or metadata as well as supplementary documents such as codebooks
- > Making research data citable (DOI, licenses)
- > Meets the requirements of the most important funders (FAIR Data Principles)
- > Management of access to the research data
- > Sensitive data is not allowed to be uploaded, but its metadata, associated documents and data transfer agreements can be published

BORIS Portal: Research Data Managing Data Access

Open

Free Access

Metadata and Documentation: CC0

Embargoed

Enter the date for
Publication of the record

Restricted

Data set is on BORIS Portal,
Access on demand

Closed

Metadata only, no upload of
data on BORIS portal




Data Transfer Agreement

- For data that can not be made public
- Individual definition of permitted data use
- Sharing of the DTA together with other data for download and subsequent use.

BORIS Portal: Further Developments

- > Integration of BORIS Portal into the credit opening process
- > Interfaces to the databases of the research funders
- > Overview of the research activities of faculties, institutes, centers and individuals
- > Migration BORIS Publications
- > Migration to DSpace 7

Upload Step Documents (I)


Data Upload	Data Transfer Agreement (DTA) Upload	Supplementary Upload
<p>Accepted data file types.</p> <p>*max 2GB/file</p> <div style="border: 1px dashed gray; padding: 10px; text-align: center;">  Drop files to attach, or browse Files </div>	<p>If you chose the Data Availability of your data to be Embargoed, Restricted, or Closed, it is recommended to upload a Data Transfer Agreement (DTA).</p> <p>Read more</p> <p>Accepted data file types.</p> <p>*max 2GB/file</p> <div style="border: 1px dashed gray; padding: 10px; text-align: center;">  Drop files to attach, or browse DTA Files </div>	<p>Upload documentation needed to understand and re-use your research data, e.g. readme files, codebooks, methods, or study designs. It is highly recommended to upload supplementary files even if access to your data is restricted or embargoed. Supplementary files will be dedicated to the Public Domain (CC0).</p> <p>Accepted data file types.</p> <p>*max 2GB/file</p> <div style="border: 1px dashed gray; padding: 10px; text-align: center;">  Drop files to attach, or browse Supplement Files </div>
<div style="border: 1px solid gray; border-radius: 15px; padding: 10px; background-color: #c05060; color: white; width: fit-content; margin: 0 auto;">Bundle Data</div>	<div style="border: 1px solid gray; border-radius: 15px; padding: 10px; background-color: #c05060; color: white; width: fit-content; margin: 0 auto;">Bundle Agreement Data</div>	<div style="border: 1px solid gray; border-radius: 15px; padding: 10px; background-color: #c05060; color: white; width: fit-content; margin: 0 auto;">Bundle Supplementary-Materials Data</div>

- > One upload step for three different document types
- > Each type is stored in a specific bundle
- > Availability of bundle depends on access rights Metadata

Access Rights	Data	DTA	Supplementary
Open	X		X
Embargo	X	X	X
Restricted	X	X	X
Closed		X	X
Metadata Only			

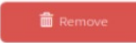
Upload Step Documents (II)

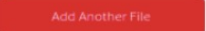
- > CC-License can be set for each bitstream
- > Saved as metadata of the bitstream instead

File	License	Access Settings
kettle.jpg	 Public Domain Dedication (CC0) 	  
hibernate_tutorial.pdf	 Public Domain Dedication (CC0) 	  

DTA and Supplementary Upload

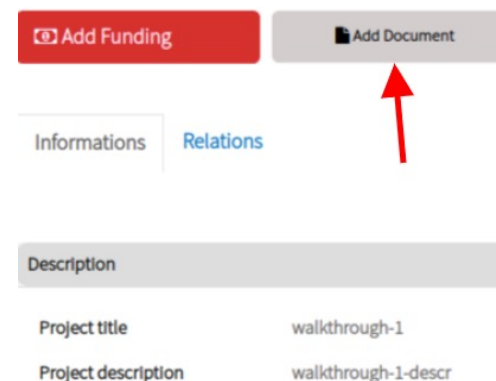
You have selected the Data Availability type "Open" in the submission step Describe.
This means that NO DTA can be added to your submission.
If a DTA was uploaded before setting the Data Availability Type please remove it.

File	Step	
logo_4.jpg	Supplementary Upload	



Submitting Funding and Projects Documents

- > Upload of Document from entity page
- > Start a submission:
 - > Item type document
 - > Automatically related to the entity (via authority)
- > Permission on files can be created during submission on specific EPerson from Researcher Profiles



Enter document title.

Document Title *

Authorize other UniBE members to read and download the document you are going to upload by entering their names. Add more UniBE members by clicking '+':

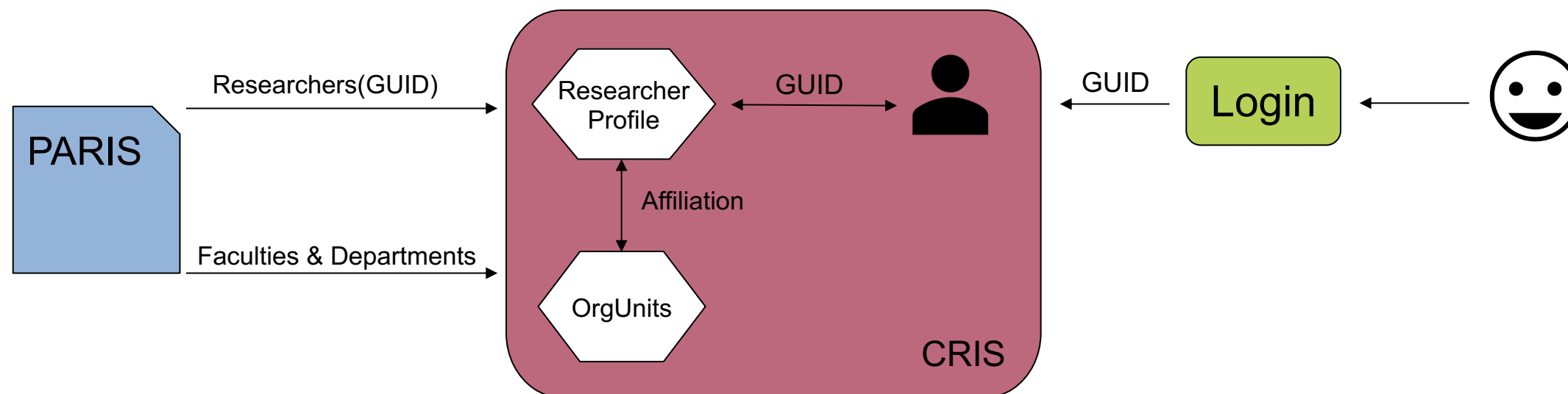
UniBE Member



Clinic of Nephrology and Hypertension

HR application (PARIS) to BORIS Portal

- > Import Researcher and Organizations using ETL
- > Create and update Affiliation of Researcher Profiles
- > Save Unique ID from PARIS (GUID) as External ID of Researcher Profile (SourceID)
- > Login from Shibboleth uses GUID as netid
- > Post-login triggers connection between Researcher and EPerson based on GUID



Integration Datasets & Projects with Publication Repository

Enter a BORIS Publication related to this dataset by typing its title, DOI, or EPrints-ID.

BORIS Publication

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Pellin, Elio; Suntharam, Sumanghalyah (1 February 2022). Open Access für Sprachwissenschaftler:innen (Unpublished). In: Open Access in den Sprachwissenschaften. Universität Bern. 01.02.2022.

Enter a RORIS Portal project by entering at least three characters of the project title

- > Implemented a lookup on E-Prints (Publication repository) during submission
- > Request metadata from E-Prints search end-point (JSON citation format)
- > Retrieve data into:
 - > Metadata with citation as value and E-Prints ID as authority (*Datasets*)
 - > Nested metadata field with citation and E-Prints ID (*Projects*)
- > Custom rendering as citation with link to E-prints (via E-Prints ID)

Further Information & Contact

Website:

www.unibe.ch/ub/openscience

www.4science.it

Questions about BORIS Portal: borisportal@ub.unibe.ch

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Share your knowledge

Thank you for your attention!