Open to the public, proprietary inward
VIVO as public research portal on top of Converis
10th Annual VIVO Conference 2019, Podgorica, Montenegro
CRIS.WWU – record once, (re)use often

− Consistent and continuous communication, documentation and reporting of the research activities and results
− Provision of a university-wide research portal
− Provision of websites for schools, departments and individual researchers
− Addressing statutory reporting obligations as well as the other reporting and analysis occasion
− Handle research management processes (planned)
CRIS.WWU – one application, two perspectives

Public Research Portal

Internal Back-end for Data Management

Converis 4 from Clarivate Analytics

Dr. Sebastian Herwig
CRIS.WWU – one application, two perspectives

**Public Research Portal**

**Internal Back-end for Data Management**

Converis 5 from Clarivate Analytics

Dr. Sebastian Herwig
The CONVERIS public portal has limitations

- The public portal is tightly coupled to the back-end
  - The backend also has to be available in the internet
  - Frequent use of the research portal has a negative effect on the performance of the back-end

- Public portal directly uses 1:1 the internal data structure

- UI, UX and functional limitations
  - Limited filter options and handling
  - No filter / search options for lists within detail pages
  - Only data from Converis can be shown (no integration of e.g. Altmetric badge)
CRIS.WWU – one application, two perspectives

Public Research Portal

Internal Back-end for Data Management

Converis 5 from Clarivate Analytics

Dr. Sebastian Herwig
VIVO as public portal for CRIS.WWU

Public Research Portal

Internal Back-end for Data Management

Data flow

Converis 5 from Clarivate Analytics
Linking CONVERIS and VIVO: 1st attempt

Retrieving all public available records lasts app. 40 hours.
Linking CONVERIS and VIVO: 2nd attempt

VIVO
connect • share • discover

Database

Uploading app.
150,000 records:
> 4 days

Creating RDF files with PHP scripts: one hour

Converis

Dr. Sebastian Herwig
Linking CONVERIS and VIVO: the right way?

Uploading 50,000 records + 12 relation types: 38 minutes (incl. refresh of search index)
If it's that hard, why actually VIVO?

- Out of the box platform with all the essential technological components (searching, filtering, templateing, multi language support etc.) for a public research portal
- Open-Source and thus functional extendable
- Vital community
- Aspects of SEO are mostly covered or feasible
- Out of the box visualization options
VIVO is a promising tool to realise a public research portal, but...!

- Out of the box data structures of VIVO do not match with the German science system
- Functionalities and design have to be extended/adapted
- Performance tests for importing/updating "large" amounts of data are pending
- Is the linked data technology really practicable in this case?
See you in Münster!

euroCRIS membership meeting
November 18-20, 2019
University of Münster, Germany
http://www.uni-muenster.de/euroCRIS