The BEXIS 2 data management platform - current status and future plans

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Funded by DFG

BExIS++ Project

BEXIS 2 SOFTWARE DEVELOPMENT

SUSTAINABILITY
OUTREACH
SUPPORT

TRAINING

What happend over the past year?

Releases

- BEXIS 2.8.0 (Nov. 2015)
- BEXIS 2.8.1 (Dec. 2015)
- BEXIS 2.9.0 (May 2016)

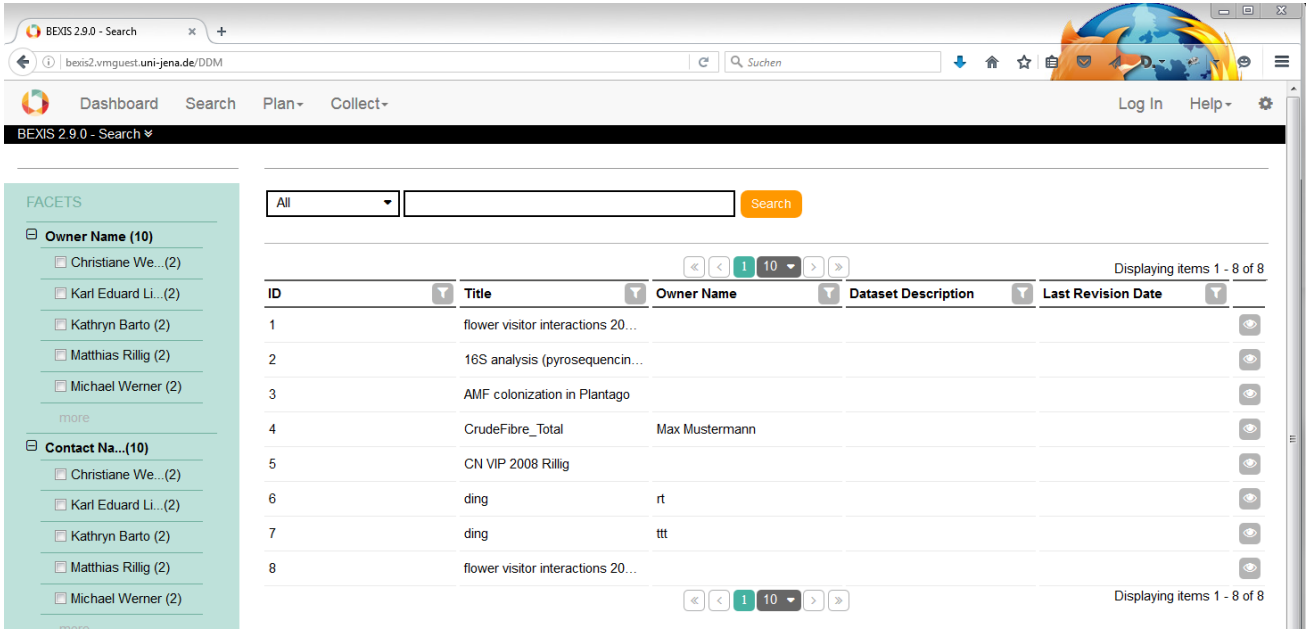
Public code repository on GitHub
https://github.com/BEXIS2

Website re-launch
http://bexis2.uni-jena.de/

BEXIS 2 Tech Talk Series (#1-4)
http://bexis2.uni-jena.de/bexis-2-tech-talk-series/

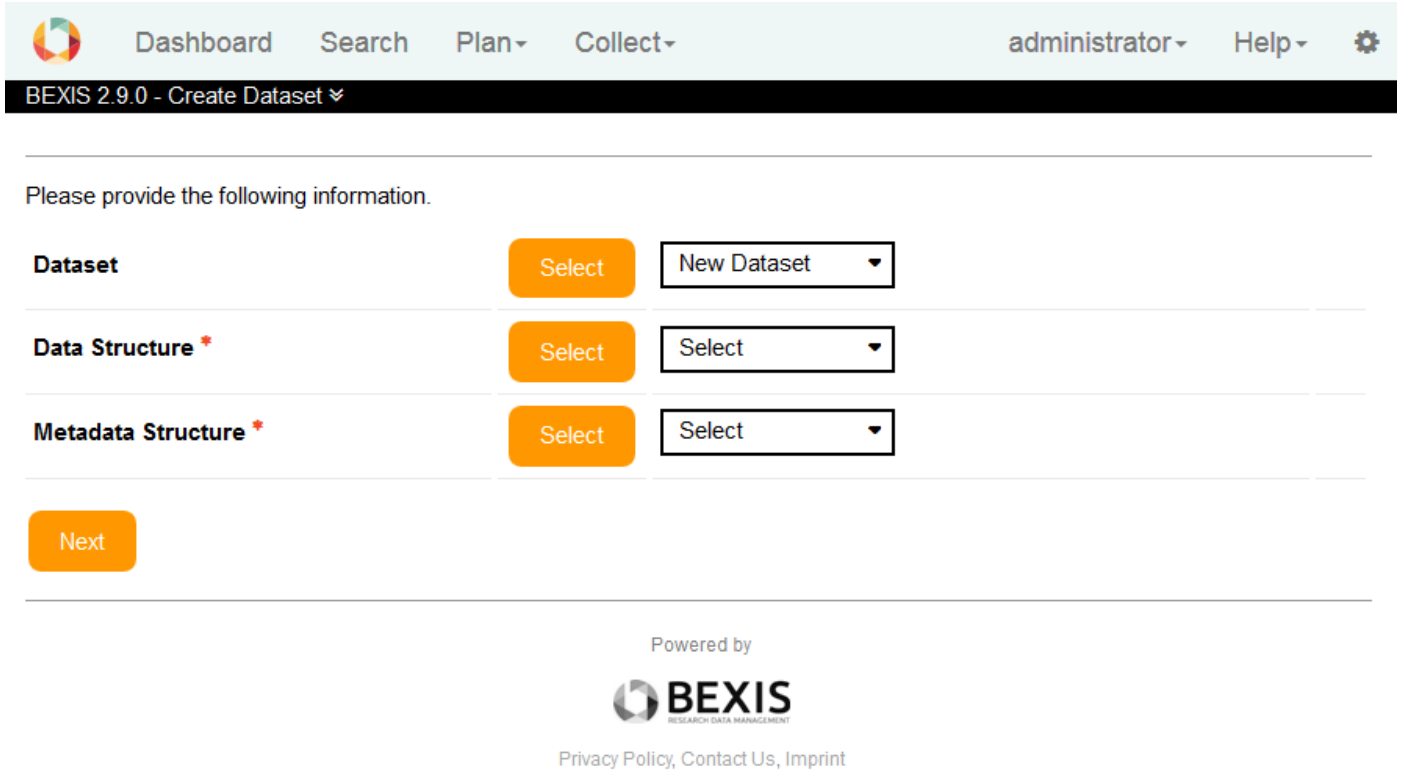
News in Release 2.8.0/2.8.1

- New user interface
- Editing metadata
- Upgraded all third party dependencies



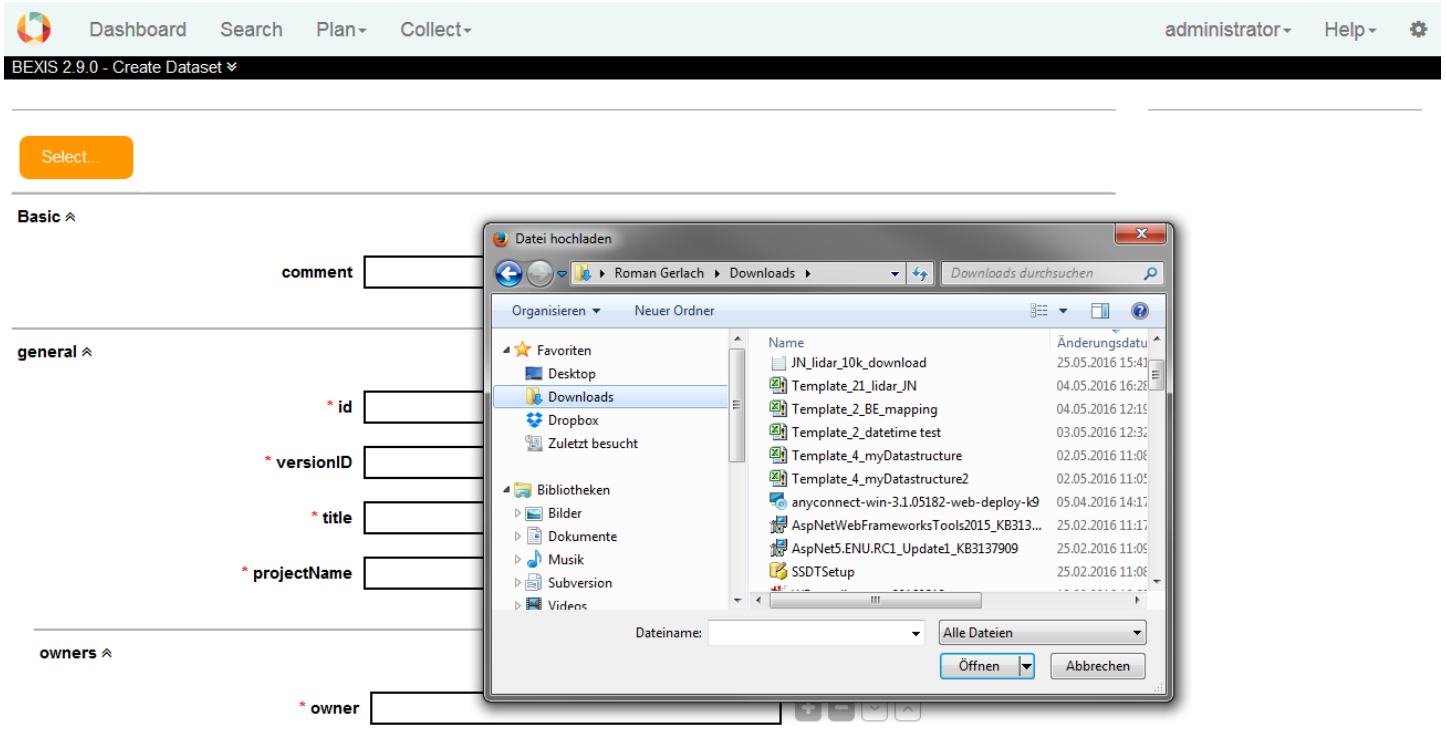
News in Release 2.9.0

- using a dataset as a template for a new dataset



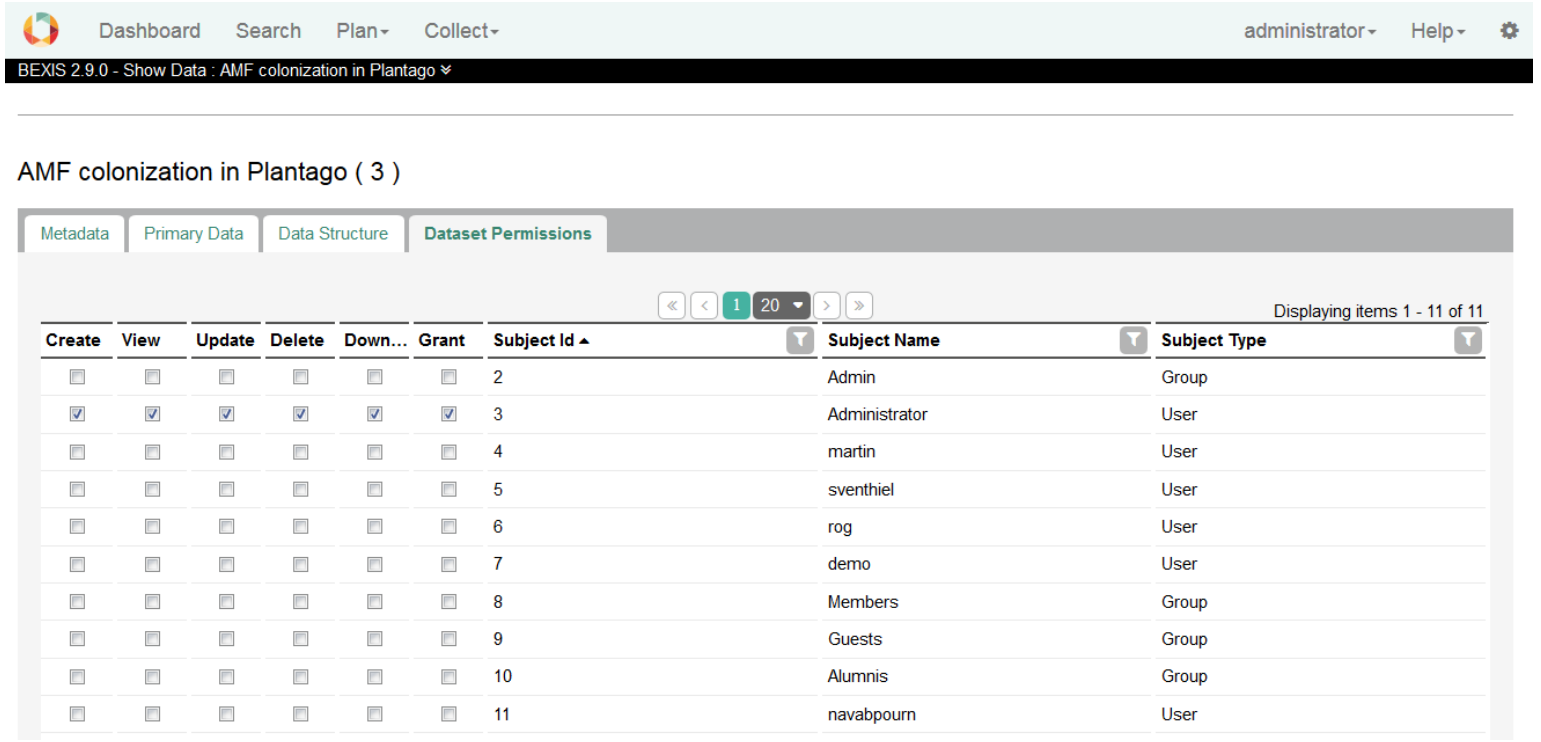
News in Release 2.9.0

- import of existing metadata of the same metadata structure from an XML file



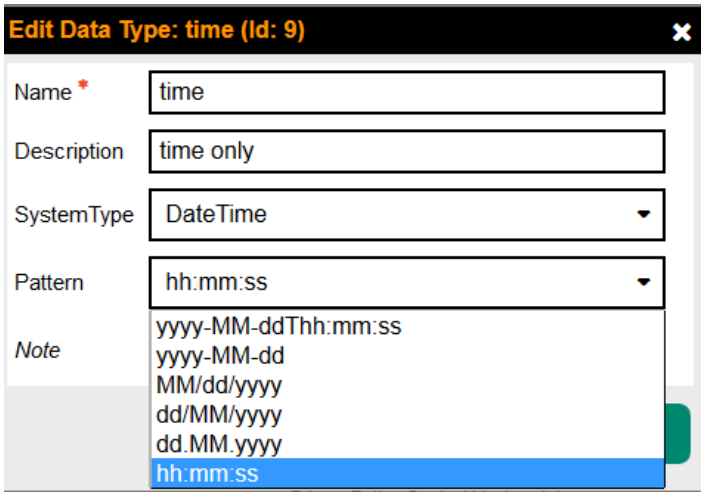
News in Release 2.9.0

- set permissions on own datasets as part of the dataset view



News in Release 2.9.0

- flexible date/time patterns



- search index is now re-created automatically whenever a new dataset is created or deleted

Outlook

Release 2.10.0 (Nov. 2016)

- Re-design data structure management interface
- Extensibility and Modularization
- Upgrade routine between BEXIS 2 versions
- Email notification
- Party Package (Projects, Organizations, People)
- GIS enabled Dataset handling

Community Contribution (2016)

- Metadata Schema Mapping (Steffen, iDiv)
- BEXIS2 / GFBio data publishing (David, Marcel)
- Resource Booking Module (Eleonora, BE)
- Batch Upload (Thorsten, GWDG)
- Semantic Layer (AquaDiva)
- B1>B2 Migration test case (BE)
- Plot Chart (Payam, BE)

What else is on the list?

2015-2017

Backlog

- Improving **modularity** and **scalability**
- Support for **additional data types** (sensor, block, lab, experiment, physical objects)
- **API** Data/Metadata access
- Integration of existing **Taxonomies** & **Thesauri**
- Publishing **Data Papers** [Pensoft]
- Integration of **PID** services

How to participate?

User {End User, Data Manager}

- public BEXIS 2 Users mailing list:
  bexis2-users@listserv.uni-jena.de

- News feed:
  http://bexis2.uni-jena.de/news/feed/
- BEXIS 2 User and Developer Conference once a year

How to participate?

Developer

- Technology:
  .NET 4.5, C#, MVC 5, Lucene.NET, NHibernate, …
- Development environment:
  MS Visual Studio Community 2015 (free), PostgreSQL
- Public code repository:
  https://github.com/BEXIS2
- Public developer mailing list:
  bexis2-dev@listserv.uni-jena.de

- News feed:
  http://bexis2.uni-jena.de/news/feed/

Wrapping up

Focus for the next 12 month:

- BEXIS 2 core system

  Performance, Extensibility, Interoperability, Usability
- community engagement and coordination
- sustainability of the development process

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