



seit 1558

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

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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)

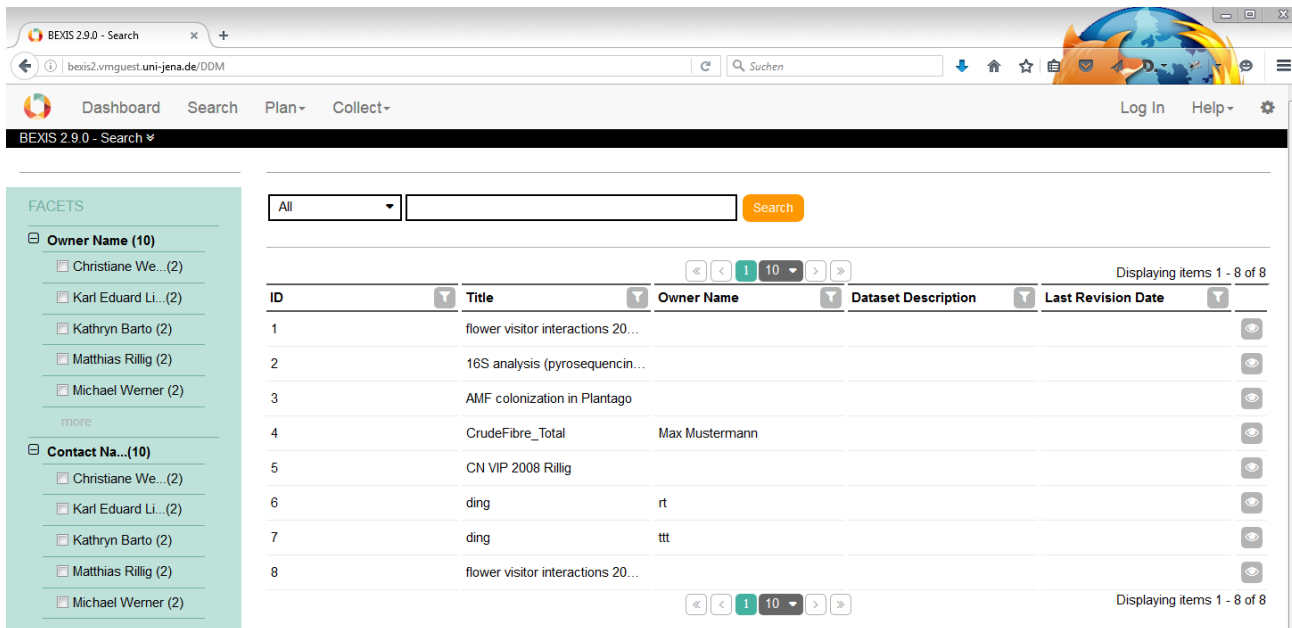
Public code repository on GitHub
<https://github.com/BEXIS2>

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



The screenshot displays the BEXIS 2.9.0 web interface. The browser address bar shows the URL `bexis2.vmguest.uni-jena.de/DDM`. The navigation menu includes `Dashboard`, `Search`, `Plan`, and `Collect`. The main content area features a search bar with a dropdown menu set to `All` and a `Search` button. Below the search bar is a table of search results. The table has columns for `ID`, `Title`, `Owner Name`, `Dataset Description`, and `Last Revision Date`. The results are numbered 1 through 8. A sidebar on the left, titled `FACETS`, shows two categories: `Owner Name (10)` and `Contact Na...(10)`, each with a list of names and counts. The interface also includes pagination controls and a `Log In` link.

ID	Title	Owner Name	Dataset Description	Last Revision Date
1	flower visitor interactions 20...			
2	16S analysis (pyrosequencin...			
3	AMF colonization in Plantago			
4	CrudeFibre_Total	Max Mustermann		
5	CN VIP 2008 Rillig			
6	ding	rt		
7	ding	ttt		
8	flower visitor interactions 20...			

News in Release 2.9.0

- using a dataset as a template for a new dataset

Dashboard Search Plan Collect administrator Help

BEXIS 2.9.0 - Create Dataset

Please provide the following information.

Dataset	Select	New Dataset
Data Structure *	Select	Select
Metadata Structure *	Select	Select

Next

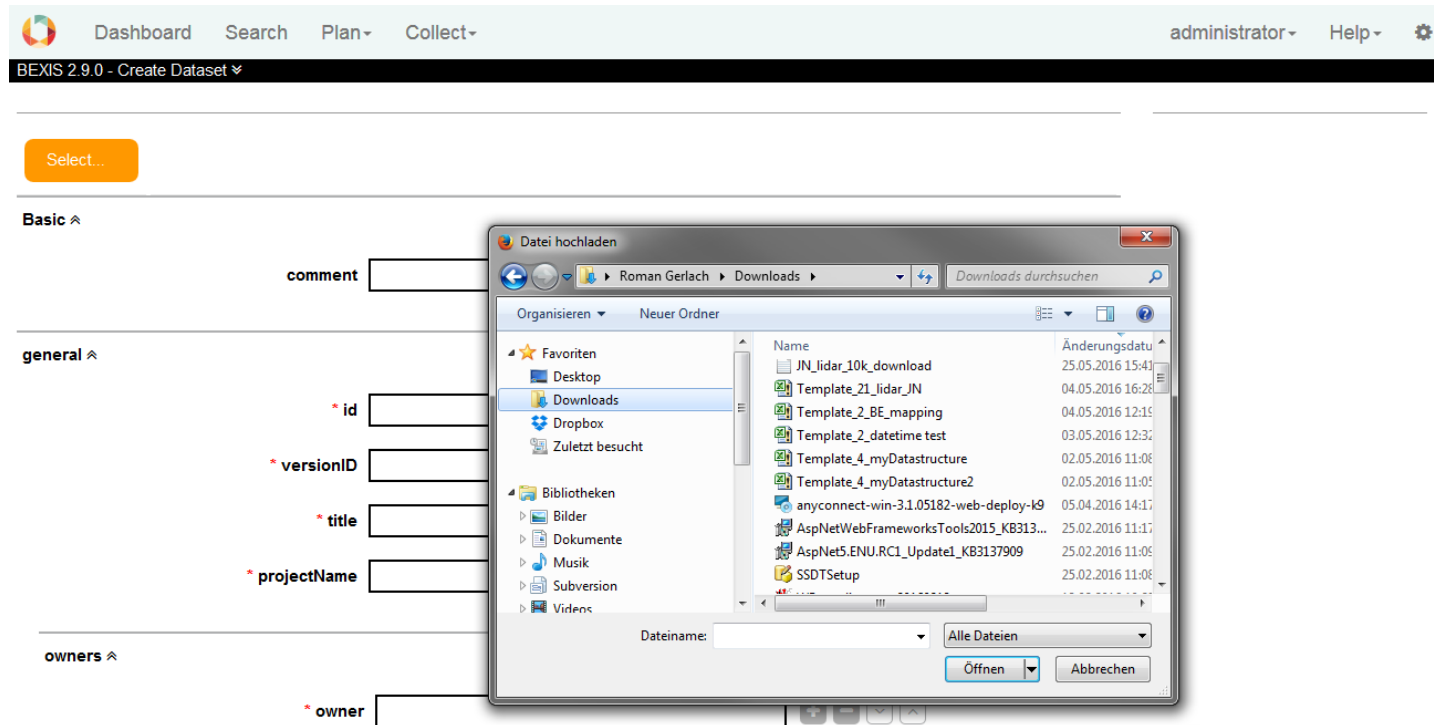
Powered by



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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

Dashboard Search Plan Collect administrator Help

BEXIS 2.9.0 - Show Data : AMF colonization in Plantago

AMF colonization in Plantago (3)

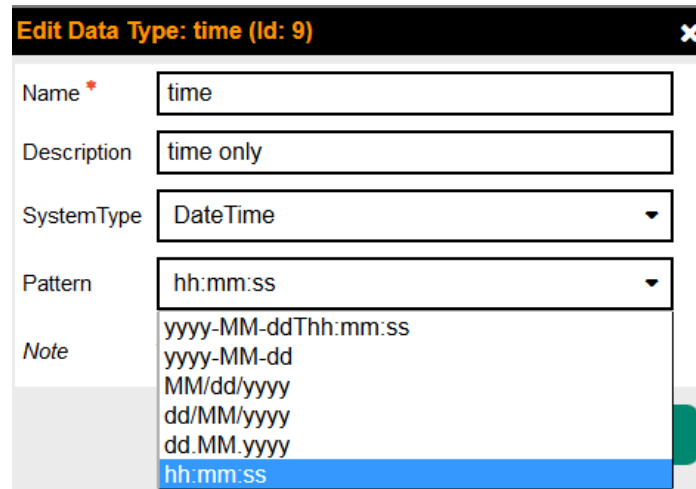
Metadata Primary Data Data Structure **Dataset Permissions**

« < 1 20 > » Displaying items 1 - 11 of 11

Create	View	Update	Delete	Down...	Grant	Subject Id ▲	Subject Name	Subject Type
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	Admin	Group
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	Administrator	User
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	martin	User
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	sventhiel	User
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	rog	User
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	demo	User
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	Members	Group
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	Guests	Group
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10	Alumnis	Group
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11	navabpourn	User

News in Release 2.9.0

- flexible date/time patterns



Edit Data Type: time (Id: 9)

Name *	time
Description	time only
SystemType	DateTime
Pattern	hh:mm:ss
Note	yyyy-MM-ddThh:mm:ss yyyy-MM-dd MM/dd/yyyy dd/MM/yyyy dd.MM.yyyy hh:mm:ss

- 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