



seit 1558

BEXIS 2

data management platform

-

current status and future plans

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Intro

BEXIS 2 is:

- Data Management Platform (i.e. software)
- designed for **large** research **projects** with central data management (incl. data manager)
- focus on **active data** (i.e. project life-time)
- focus on **tabular data**, but not limited to
- focus on **data integration** and **re-use**
- generic, scalable, modular, **free** and open source

BExIS++ Project

BEXIS 2 SOFTWARE
DEVELOPMENT

SUSTAINABILITY
OUTREACH
SUPPORT

TRAINING

What happend over the past year?

Releases

- BEXIS 2.10.0 (Dec. 2016)

BEXIS 2 Tech Talk Series (#5-8)

<http://bexis2.uni-jena.de/bexis-2-tech-talk-series/>

What happend over the past year?

BEXIS 2 Training at MAMUDS Workshop (Sfax, Tunisia, 27-29 March 2017)



What happend over the past year?

BEXIS 2 presentations:

- GFÖ, Gießen, Sept. 2016
- International Data Week, Denver, Sept. 2016
- National Park Hainich, Nov. 2016
- MPG-BGC, Jena, Dec. 2016
- ATTO/MPIC, Mainz, Feb. 2017

News in Release 2.10.0

- Re-design data structure management interface

The screenshot displays the BEXIS 2.10.0 Data Structure Edit interface. The top navigation bar includes 'Dashboard', 'Search', 'Plan', 'Collect', 'Log In', and 'Help'. The main content area is divided into two panels. The left panel, titled 'Variable Templates', features a search bar and a 'Sort by' dropdown set to 'Id ^'. Below this, there are sections for 'Unit' and 'Data Type' with checkboxes for various options like 'kelvin', 'voltage', 'date', and 'string'. A list of variable templates is shown with columns for 'Id', 'Name', 'Unit', and 'Data Type'. The right panel, titled 'Bird Survey (1)', contains a 'Name' field with the value 'Bird Survey' and a 'Description' field with the text 'Data structure for the bird survey of the national Forest (English Midlands) in 2008'. Below these fields is a table of data structure elements:

Id	Name	Unit	Data Type	Optional
1	Species	none	string	<input checked="" type="checkbox"/>
2	Main habitat types	none	string	<input checked="" type="checkbox"/>
3	Squares occupied	arearatio	double	<input checked="" type="checkbox"/>
7	Total birds	none	double	<input checked="" type="checkbox"/>
8	Mean birds	none	double	<input checked="" type="checkbox"/>
9	Std error	none	double	<input checked="" type="checkbox"/>

At the bottom of the right panel, there are buttons for 'Download Excel Template', 'Delete', 'Save', 'Save as', and 'Cancel'. The footer of the interface includes the BEXIS logo and the text 'Powered by BEXIS RESEARCH DATA MANAGEMENT'.

News in Release 2.10.0

- Re-design of the metadata form (more complex schemas, autocomplete on text fields, minimap)

Dashboard Search Plan Collect- administrator Help

BEXIS 2.10 - Show Data: Breeding bird survey

Breeding bird survey (1)

Metadata Primary Data Data Structure Dataset Permissions Publish

Edit Copy show all fields

Basic ^

Dataset GUID

Technical Contacts ^

Technical Contact (1) ^

Name John Marchant

Email

Phone

Address

ContentContacts ^

ContentContact (1) ^

Name John H Marchant

Email

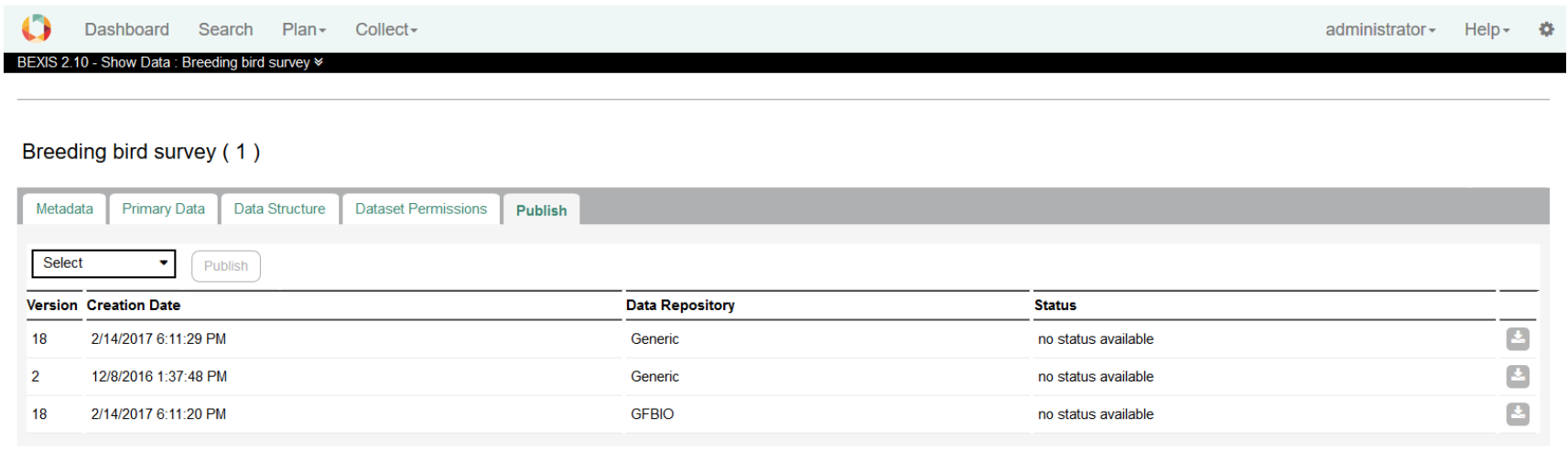
Phone

Address BTO, The Nunnery, Thetford, Norfolk, IP24 7PU

ContentContact (2) ^

News in Release 2.10.0

- Data Publishing feature (e.g. GFBio)



The screenshot displays the BEXIS 2.10 web interface. At the top, there is a navigation bar with 'Dashboard', 'Search', 'Plan', and 'Collect' menus, and user information 'administrator' and 'Help'. Below this, a breadcrumb trail reads 'BEXIS 2.10 - Show Data - Breeding bird survey'. The main content area is titled 'Breeding bird survey (1)' and features a tabbed interface with 'Metadata', 'Primary Data', 'Data Structure', 'Dataset Permissions', and 'Publish' tabs. The 'Publish' tab is active, showing a 'Select' dropdown menu and a 'Publish' button. Below these controls is a table with three columns: 'Version', 'Creation Date', 'Data Repository', and 'Status'. The table contains three rows of data, each with a download icon in the rightmost column.

Version	Creation Date	Data Repository	Status
18	2/14/2017 6:11:29 PM	Generic	no status available
2	12/8/2016 1:37:48 PM	Generic	no status available
18	2/14/2017 6:11:20 PM	GFBIO	no status available

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News in Release 2.10.0

- Managing Metadata Schemas

Dashboard Search Plan Collect administrator Help

BEXIS 2.10 - Manage Metadata Structure

Import

Id	Name	Entity Name	Title Reference	Description Reference	Active	
1	Basic ABCD	Dataset	Metadata/Description/Representation/Title	Metadata/Description/Representation/Details	<input checked="" type="checkbox"/>	  
4	Ecometabolomics	Dataset	Project/ProjectName	Study/StudyDescription	<input checked="" type="checkbox"/>	  
5	Simple	Dataset	Information/Address	Information/Name	<input checked="" type="checkbox"/>	  
6	UpdatedEcoMeta	Dataset	Project/ProjectName	Study/StudyDescription	<input checked="" type="checkbox"/>	  

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Displaying items 1 - 4 of 4

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Outlook

Release 2.11.0 (Aug. 2017)

- Modularization (install, uninstall modules)
- Performance improvement
- Party Package (managing projects, organizations, people)
- Email Notification System
- Data Access Request Feature
- Preparation for BExIS 1 Migration
- Publishing workflow: Pensoft's Biodiversity Data Journal

Community Contribution

- BEXIS2 / GFBio data publishing (GFBio)
- Easy Upload (AquaDiva)
- Semantic Search (AquaDiva)
- Multimedia Module (MAMUDS)
- Batch Upload (GWDG)
- Plot Chart (BE)
- ...

Product Backlog

Product Backlog

Past

backlog items board

Create Backlog Query Column Options

Or...	ID	Title	State	Iteration Path	Area Path	Work Item Type	Rela...	Assigned ...	Created D...
Sprint34									
Sprint35									
Sprint36									
Sprint37 - Release	8	864	New	Tech\Release 9	Tech\Modules\Data Collec...	Product Backlog Item	0		2015-02-1...
Sprint38	9	875	New	Tech\Release 9	Tech\Modules\Data Disse...	Product Backlog Item	0		2015-02-2...
Sprint39	10	926	New	Tech\Release 9	Tech	Change Request	0		2015-06-1...
Sprint40	11	437	Approved	Tech	Tech	Product Backlog Item	2		2014-06-1...
Sprint41 - Release	12	501	Approved	Tech\Release 9	Tech\Modules\Security	Change Request	1	Sven Thiel	2014-07-1...
Sprint42	13	951	New	Tech\Release 9	Tech\Modules\Security	Change Request	2	Martin H...	2015-07-0...
Sprint43	14	952	New	Tech\Release 9	Tech\Modules\Security	Change Request	2	Martin H...	2015-07-0...
Sprint44	15	780	Approved	Tech	Tech	Change Request	0		2015-01-0...
Sprint45	16	781	Approved	Tech	Tech	Change Request	0		2015-01-0...
Sprint46 - Release	17	871	Approved	Tech	Tech	Change Request	1	Javad Ch...	2015-02-1...
Current	18	927	New	Tech	Tech	Product Backlog Item	0		2015-06-1...
Sprint47	19	688	Approved	Tech	Tech	Product Backlog Item	1		2014-10-1...
Sprint48	20	790	Approved	Tech	Tech	Change Request	0	Friederik...	2015-01-0...
Sprint49	21	784	Approved	Tech	Tech	Change Request	0	Friederik...	2015-01-0...
Sprint50 - Release	22	788	New	Tech	Tech	Change Request	0		2015-01-0...
	23	786	Approved	Tech	Tech	Change Request	0		2015-01-0...
	24	785	Approved	Tech	Tech	Change Request	0		2015-01-0...
	25	12	Committed	Tech	Tech\Modules\System	Product Backlog Item	6	Javad Ch...	2013-03-1...
	26	152	Approved	Tech\Release 9	Tech\Modules\Integration	Product Backlog Item	3		2013-08-0...
	27	740	Approved	Tech	Tech\Modules\System	Product Backlog Item	2	Javad Ch...	2014-11-1...
	28	741	Approved	Tech	Tech\Modules\System	Product Backlog Item	2	Javad Ch...	2014-11-1...
	29	13	Approved	Tech	Tech\Modules\System	Product Backlog Item	0		2013-03-1...
	30	15	Approved	Tech	Tech\Modules\System	Product Backlog Item	1		2013-03-1...
	31	14	Approved	Tech	Tech\Modules\System	Product Backlog Item	1		2013-03-1...
	32	696	Approved	Tech	Tech	Product Backlog Item	2		2014-10-1...
	33	905	New	Tech	Tech	Change Request	1	David Blaa	2015-05-0...
	34	11	Committed	Tech	Tech\Modules\Security	Product Backlog Item	2	Sven Thiel	2013-03-1...
	35	121	Approved	Tech	Tech\Modules\Resource M...	Product Backlog Item	8	Michael ...	2013-06-1...
	36	531	Approved	Tech	Tech	Product Backlog Item	5		2014-07-2...
	37	536	Approved	Tech	Tech	Product Backlog Item	7		2014-07-2...

What else is on the list?
2015-2017

Backlog

- **Update routine** (e.g. v2.10 → v2.11)
- **Metadata Schema Mapping**
- Improving **performance, usability**
- Support for **additional data types** (sensor, block, lab, experiment, physical objects)
- Integration of existing **Taxonomies & Thesauri**
- **GIS data** handling

New proposal ideas

Focus:

Integration, Interoperability, Sustainability

- **Data sync** from users machine (like svn, git)
- Integration of **PIDs / ORCID**
- custom data access (incl. conversion, transformation, merge)
- **BEXIS *light*** (reduced version for small groups)
- ...

Thanks!

Questions?

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<http://bexis2.uni-jena.de/>



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