



DWB-DD als Backend-Datenbank zur Organisation von Datentransformationen zur Archivierung und EML-SDD- Publikation: GFBio Beispiele BELMONTsurveydesc, DSMZbacdivdesc

Stefan Seifert, Tanja Weibulat



Open Archival Information System

- Die in DiversityDescriptions (DD) enthaltenen Daten können veröffentlicht werden.
- Die Veröffentlichung geschieht immer projektbezogen.
- Um eine entsprechende Versionierung zu ermöglichen, werden hierfür Datenpakete erstellt → DIP (Dissemination Information Packages)
- Diese Pakete enthalten sowohl die Daten als auch die zugehörigen Metadaten und kommen in Form von EML-CSV oder EML-SDD Archiven vor.

<https://www.iso.org/standard/57284.html>

<https://d-nb.info/1214014216/34>

<https://eml.ecoinformatics.org/>

DiversityProjects

Verwaltung primärer OAIP-Archiv-Daten in DiversityProjects (DP)

DiversityProjects, Database: DiversityProjects_GFBio v. 4.1.56

Connection Data Administration Help

Project: **DSMZbacdivedesc** ID: **967**

Title: Mobilisation of data for GFBio services - Bacterial Descriptions Use Case

Description

- public
Bei den fünf umfassend annotierten bakteriellen Stämmen für den Import in die DiversityDescriptions wird der Fokus auf Stämme gelegt, deren Species Beschreibung aus kürzlich abgeschlossener bzw. laufenden Forschungsprojekten von Wissenschaftlern der DSMZ hervorgegangen sind. Es handelt sich dabei um fünf bakterielle Stämme die jeweils eine gute Adaption an die Böden verschiedener Klimazonen aufweisen. Sie sind beteiligt an Stickstoff- und Kohlenstoffkreisläufen (signifikante Exoenzymaktivitäten). Deshalb sind diese Stämme als wichtige biotische Komponenten ihrer Umwelt zu betrachten.
** Blastocatella fastidiosa Foesele et al. 2013 A2_16 (-> <http://bacdiv.dsmz.de/index.php?site=seamh&id=22454>)

- internal
https://gfbio.biowikifam.net/internal/Bacteria_desc;
morphological and molecular characterisation of five bacterial strains (isolates, axenic culture) from BacDive; except of the Bacterial Diversity Metadatabase <https://bacdiv.dsmz.de/>

URI: https://data.snsb.info/dataset/gfbio/projects_gfbio/967/

Notes:

Version: Type: Descriptions = Project for the module DiversityDescriptions

Embargo: Create archive

Settings Agents IPR & Licenses Resources Citations & References Descriptor ID IDs OAIP Modules

2020-06-22 07:56:22
2020-06-22 07:57:05

2020-06-22 07:56:22 Published

Format Mime type Size (in bytes) SHA512 Hash

33007 109adfe71df93d1a4bde54a0675384a2

Storage: DSMZbacdivedesc_SDD1_20200629.zip

Ext. stor.

Transfer date Publication date Relation to parent Withhold

2020-06-22 2020-06-22

Notes Identifier

10.25897/5Ayc9k378

- Archive müssen zugreifbar sein (accessible)
- eine Landingpage pro Projekt





GFBio Data Center & Archive

IT Center of the Staatliche Naturwissenschaftliche Sammlungen Bayerns

Please check the URL. There is no archive connected with this URL. Showing the project description instead:

Title:
Mobilisation of data for GFBio services - Belmont Forum Open Data Survey 2014 Use Case

Description:
The data collection is that from the original data publication, i.e. Schmidt, B., Gemeinholzer, B., Treloar, A., Hodge, J., Santanchè, A., & Oakley, K. (2015). Belmont Forum Open Data Survey 2014 [Data set]. Zenodo. <http://doi.org/10.5281/zenodo.16384>. The Belmont Forum Open Data Survey was from September – November 2014, organised by the Open Data working group of the E-Infrastructure and Data Management Collaborative Research Action (<https://www.belmontforum.org/>). The findings of the Belmont Forum’s survey on Open Data were discussed by Schmidt, B., Gemeinholzer, B., Treloar, A. (2016). Open Data in Global Environmental Research: The Belmont Forum’s Open Data Survey. PLOS One, DOI: 10.1371/journal.pone.0146695. In 2015, the data were restructured following the EML 2.1.1 standard and the SDD 1.1 standard and used as good practice example to optimize internal pipelines for data processing within the project GFBio (<https://www.gfbio.org/>).

Data:

Project	Archive	hash	Size	Transfer Date	Publication Date	File	Data format	Identifier
BELMONTsurveydesc	21	b3104c702fdffb9064...	115.9 kB	2020-11-25	2020-11-25	Download	EML	DOI: 10.25897/5/j2cs-a186
BELMONTsurveydesc	20	6d0a8c623a0def22dc...	264.4 kB	2020-11-25	2020-11-25	Download	EML-SDD	DOI: 10.25897/5/nhc7-0d72

Keywords:
E-Infrastructures, FAIR, Global Environmental Change, Open Data, Sharing, Structured Survey Data, World

License:
[CC BY 4.0](#) Staatliche Naturwissenschaftliche Sammlungen Bayerns

References:
Raw data as csv-files under <https://zenodo.org/record/16384#> (authors: Schmidt, Birgit; Gemeinholzer, Birgit; Treloar, Andrew; Hodge, Jonathan; Santanchè, André; Oakley, Kim)
Schmidt, B., Gemeinholzer, B., Treloar, A (2016): Open Data in Global Environmental Research: The Belmont Forum’s Open Data Survey. PLOS One, DOI: 10.1371/journal.pone.0146695

[imprint and privacy policy](#) [disclaimer](#)

2021-11-09 07:15:32.889685+01:00

https://data.snsb.info/dataset/gfbio/projects_gfbio/968

Landingpage

- Titel
- Beschreibung
- Suchbegriffe
- Lizenz
- Literaturnachweise



GFBio Data Center & Archive

IT Center of the Staatliche Naturwissenschaftliche Sammlungen Bayerns

Please check the URL. There is no archive connected with this URL. Showing the project description instead:

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BELMONTsurveydesc	20	6d0a8c623a0def22dc...	264.4 kB	2020-11-25	2020-11-25	Download	EML-SDD	DOI: 10.25897/5/mnc7-0d7z

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Schmidt, B., Gemeinholzer, B., Treloar, A (2016): Open Data in Global Environmental Research: The Belmont Forum's Open Data Survey. PLOS One, DOI: 10.1371/journal.pone.0146695

[imprint and privacy policy](#) [disclaimer](#) 2021-11-09 07:15:32.899685+01:00

OAIP-Archive Versionsliste

- Projektname
- Checksumme
- Archivgröße
- Publikationsdatum
- Datenformat
- Identifier (DOI)

Data:

Project	Archive	hash	Size	Transfer Date	Publication Date	File	Data format	Identifier
BELMONTsurveydesc	21	b3104c702fdffb9064...	115.9 kB	2020-11-25	2020-11-25	Download	EML	DOI: 10.25897/5 /j2cs-q186
BELMONTsurveydesc	20	6d0a8c623a0def22dc...	264.4 kB	2020-11-25	2020-11-25	Download	EML- SDD	DOI: 10.25897/5 /nhc7-0d72

DataCite

- DOI als Identifier
- Metadaten auch in Datacite
- Suchbar über DataCite-Service
- Verlinkt mit Landingpage

DataCite Fabrica

Support ZBMED.SNSB -

Staatliche Naturwissenschaftliche Sammlungen Bayerns / DOIs

10.25897/5/tyc9-k378

Update DOI (Form)

More information about DOI registration via form can be found on our [Support Website](#). Required properties are marked with a red asterisk.

Required Properties

* DOI The globally unique string that identifies the resource and can't be changed.

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* State The state determines whether a DOI is registered and findable. Once in Registered or Findable state, a DOI can't be set back to Draft state. [More ...](#)

Draft only visible in Fabrica, DOI can be deleted

Registered registered with the DOI Resolver

Findable registered with the DOI Resolver and indexed in DataCite Search

* URL The location of the landing page with more information about the resource.

https://data.snsb.info/dataset/gfbio/projects_gfbio/967/?archiveid=5

Should be a https URL - within the allowed domain(s) of your repository if domain restrictions are enabled in the repository settings. Http and ftp are also supported.

* Creators The main researchers or organizations involved in producing the resource, in priority order.

Name Identifier

Name Identifier

Uniquely identifies an individual or legal entity, according to various schemas, e.g. ORCID, ROR or ISNI. Use name identifier expressed as URL. The Given Name, Family Name and Name will automatically be filled out for ORCID and ROR identifiers.

+ Add another name identifier

Person Organization Unknown

Given Name

Carola

FEEDBACK

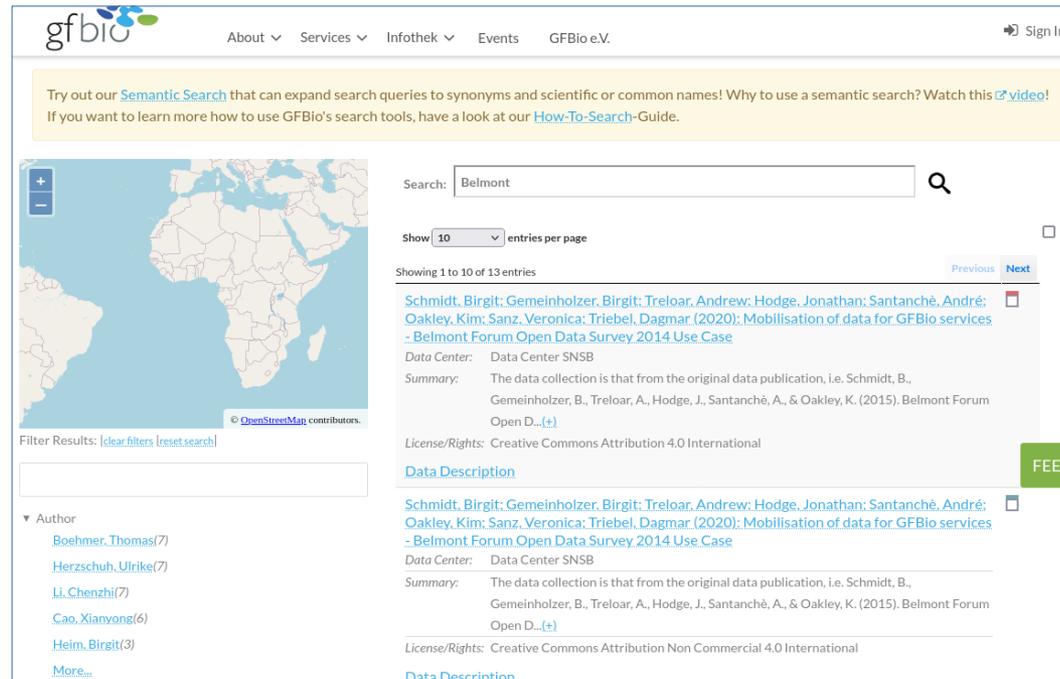
Metadaten

- M2M: maschinenlesbar
- Auffindbar und indizierbar von Suchmaschinen
- Metadaten in der Landingpage als JSON-LD
- Metadaten als <meta> Tags
- Download-Link

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•     { "name": "Gemeinholzer, Birgit",
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•     },
•     { "name": "Hodge, Jonathan",
•       "@type": "Person"
•     }
•   ]
• }
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Publikation in GFBio

- Harvesting über DataCite
- Schlüsselworte „EML-SDD“ und „EML“ zur Selektion
- Metadaten direkt aus DataCite



The screenshot shows the GFBio website interface. At the top, there is a navigation bar with the GFBio logo and links for 'About', 'Services', 'Infothek', 'Events', and 'GFBio e.V.', along with a 'Sign In' button. Below the navigation bar is a yellow banner with text about 'Semantic Search' and a 'How-To-Search-Guide'. The main content area features a search bar with the query 'Belmont' and a magnifying glass icon. To the left of the search bar is a map of the world. Below the search bar, there are options to 'Show 10 entries per page' and 'Showing 1 to 10 of 13 entries'. The search results are displayed in a list format, with the first entry being a link to a publication: 'Schmidt, Birgit; Gemeinholzer, Birgit; Treloar, Andrew; Hodge, Jonathan; Santanchè, André; Oakley, Kim; Sanz, Veronica; Triebel, Dagmar. (2020): Mobilisation of data for GFBio services - Belmont Forum Open Data Survey 2014 Use Case'. Below the link, there is a 'Data Center' field with the value 'Data Center SNSB', a 'Summary' field with the text 'The data collection is that from the original data publication, i.e. Schmidt, B., Gemeinholzer, B., Treloar, A., Hodge, J., Santanchè, A., & Oakley, K. (2015). Belmont Forum Open D...(+)', and a 'License/Rights' field with the value 'Creative Commons Attribution 4.0 International'. There is also a 'Data Description' link. The second entry is identical to the first. On the left side of the search results, there is a 'Filter Results' section with a search bar and an 'Author' dropdown menu. The 'Author' dropdown menu is expanded, showing a list of authors: 'Boehmer, Thomas(7)', 'Herzschuh, Ulrike(7)', 'Li, Chenzhi(7)', 'Cao, Xianyong(6)', 'Heim, Birgit(3)', and 'More...'. There is also a 'FEED' button on the right side of the search results.

<https://www.gfbio.org/search?q=Belmont>