

# GFBio Daten-Pipeline II: Publikation der DWB-DD-Datenpakete (SDD und EML), SNSB Landingpages und DataCite

Stefan Seifert



# DIP

- Dissemination Data Packages
- Export from DiversityDescriptions
- Managed in DiversityProjects
- Presented on Landingpages

2020-10-27

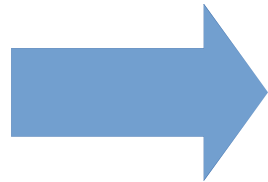
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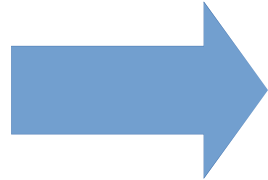
# Metadata

## DiversityProjects

- Title
- Authors
- Citation
- Embargo Date
- Keywords
- Labels
- References



Landingpage



DOI (DataCite)



OAI-PMH

# Landingpage

- One page for one project
- Current data
- Embargo save
- Metadata tags for SEO
- DOI-HTML endpoint

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## GFBio Data Center & Archive

### IT Center of the Staatliche Naturwissenschaftliche Sammlungen Bayerns

#### Title:

Mobilisation of data for GFBio services - Bacterial Descriptions Use Case

#### Description:

The description of five comprehensively annotated bacterial strains have been imported into the DiversityDescriptions in the course of the project GFBio ([www.gfbio.org](http://www.gfbio.org)). The purpose of this mobilization is the availability of taxon-related descriptive information for the GFBio data portal following various standard schemas, e.g. SDD, Delta for the test and development of data pipelines and work flows. The data has been manually annotated out of species descriptions derived by results of recently completed and ongoing projects carried out and published by researchers at the DSMZ. The ecological and environmental relevance of these strains is given by their participation in nitrogen and carbon cycles (significant exoenzyme activity) within their particular habitat. The detailed documented metabolic and physiologic profile of each strain indicates their significant adaptation to the soils of different climates. Hence, these strains are important biotic components of their environment.

Besides the availability of these data sets within DiversityDescriptions, the detailed descriptions can also be retrieved from the BacDive - The Bacterial Diversity Metadatabase (<http://bacdive.dsmz.de>) portal:

*Blastocatella fastidiosa* Fösel et al. 2013 A2\_16 (-> <http://bacdive.dsmz.de/index.php?site=search&rd=23454>)  
*Aridibacter kavangonensis* Huber et al. 2014 Ac\_23\_E3 (-> <http://bacdive.dsmz.de/index.php?search=24777>)  
*Aridibacter lamidurans* Huber et al. 2014 A22\_HD\_4H (-> <http://bacdive.dsmz.de/index.php?site=search&rd=24776>)  
*Edaphobacter aggregans* Koch et al. 2008 emend. Dedysh et al. 2012 WBG 1 (-> <http://bacdive.dsmz.de/index.php?site=search&rd=133>)  
*Edaphobacter modestus* Koch et al. 2008 JBG-1 (-> <http://bacdive.dsmz.de/index.php?site=search&rd=132>)

When using BacDive content please consider citing the following paper:

BacDive - the Bacterial Diversity Metadatabase  
Söhngen C., Bunk B., Podstawka A., Gleim D., Overmann J.  
*Nucleic Acids Res.* 2014 Jan 1;42(1):D592-9. doi: 10.1093/nar/gkt1058. Epub 2013 Nov 7.  
PMID: 24214959

#### Citation:

Reference for DiversityDescriptions (GFBio) citation

#### Data:

Project	Archive	hash	Size	Transfer Date	Publication Date	File	Data format	pid
967 - DSMZbacdivdesc	6	None	None	2020-06-22 07:57:05.297000	None	<a href="#">Download</a>	None	10.25897/5/kk8s-7a12
967 - DSMZbacdivdesc	5	None	None	2020-06-22 07:56:22.653000	None	<a href="#">Download</a>	None	10.25897/5/tyc9-k378

#### Keywords:

Aridibacter, [Bacteria](#), Bacterial Strains, Bacteriology, Blastocatella, Edaphobacter, Isolations from Soil, [Living Specimen](#), Microbiology, [World](#)

#### Licence:

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

#### References:

Reference 2

2020-10-21 11:27:51.690440+02:00



# Landingpage

## Metadata for search engines included:

```
!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>SNSB IT Center Archive - {{project.ProjectTitle}}</title>
  <link rel="stylesheet" type="text/css" href="{{ url_for('static', filename='landingpage.css') }}">
  <link rel="item" href="{{ meta.current_archive_downloadlink }}" type="application/zip">
  {% for identifier in meta.current_pids -%}
  <meta name="DC.identifier" content="{{ identifier }}" scheme="DCTERMS.URI"/>
  {%- endfor %}
  <meta name="description" content="{{ public_description }}">
  <meta name="citation_title" content="{{ project.ProjectTitle }}">
  <meta name="citation_publication_date" content="{{ meta.current_publication_date }}" />
  {%- for keyword in project_descriptors | sort(attribute="Content") -%}
  <meta name="citation_keywords" content="{{ keyword.Content }}">
  {% endfor %}
</head>
```

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# DataCite (DOI)

## DataCite Schema

- Identifier, Creator, Title, Publisher, PublicationYear, ResourceType
- Subject, Contributor, Date, Language, AlternateIdentifier, RelatedIdentifier, Size, Format, Version, Rights, Description, GeoLocation, FundingReference

# DataCite

- OAI-PMH
- REST
- Multiple Representations
- E. g. <https://api.datacite.org/doi/10.25897/5/tyc9-k378>