

# SGN – Senckenberg Gesellschaft für Naturforschung – Leibniz Institute, Frankfurt

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## About the Institution

The [Senckenberg Gesellschaft für Naturforschung](#) (SGN) conducts research in bio- and geosciences within six research institutes and three natural history museums in Germany. The mission of the SGN is to make science and scientific findings accessible to the public through teaching, publishing, museums and special exhibitions in Frankfurt, Dresden, Görlitz and Tübingen. Senckenberg's research activity is divided into four large research fields: [Biodiversity, Systematics and Evolution](#), [Biodiversity and Environment](#), [Biodiversity and Climate](#) & [Biodiversity and Earth System Dynamics](#). With about 40 million objects/items in currently more than 200 collections the SGN has one of the largest scientific collections in Germany. The objects involve a herbarium, zoological, anthropological, paleontological and mineralogical collections plus a DNA Bank. SGN is part of the Leibniz association.

# SENCKENBERG

## world of biodiversity

### About the Data Center

SGN has various interests in different data domains, including: Collection data, molecular data, observational data, environmental data, series of measurements and trait data. Data archiving for research projects is focusing on botanical, zoological and anthropological data, especially collection data in combination with the deposit of

- physical objects
- referenced multimedia objects.



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## Data Center Profile

Name	SGN – Senckenberg Gesellschaft für Naturforschung – Leibniz Institute, Frankfurt
URL	<a href="https://www.senckenberg.de/">https://www.senckenberg.de/</a>
Description	<p>The MS SQL based collection database SeSam is run by the SGN IT Department as part of the central Senckenberg IT infrastructure. SeSam is the core database for managing collection and observation data. It is supplemented by the Apache Solr based AQUILA, providing a full text search service through a web-frontend. The SGN IT Department is in close collaboration with the data and modelling centre of the Senckenberg Biodiversity and Climate Research Centre (SBIK-F).</p> <p><b>Scientific data curation services (incl. taxonomic services)</b></p> <p>The taxonomic expertise and interest is that of the SGN with its research departments.</p> <p>Special expertise in various groups of invertebrates <a href="#">GBIF Node Invertebrates III</a> (Crustaceae, Porifera, Cnidaria, Ctenophora, Tunicata and Bryozoa)</p> <p>Participating in international cooperation projects such as <a href="#">DISSCo</a> and <a href="#">IPBES</a> or <a href="#">Eudaphobase</a> and also involved in the international <a href="#">LTER</a> network (Long-Term Ecosystem Research).</p> <p>The SGN has a special interest in data on specimens curated at the SGN.</p> <p>The SGN has a special interest in data on research projects with scientists of the SGN involved.</p>
Data domains (scope)	SGN has various interests in different data domains, including: Collection data, molecular data, observational data, environmental data, series of measurements and trait data.
Target group	

Service Description	Data archiving for research projects is focusing on botanical, zoological and anthropological data, according to our profile description.			
	Type 1a	Collection data, together with the deposit of physical objects, referenced multimedia objects.		
	IT services			
	Data submission and accession			
	<ul style="list-style-type: none"><li>Collection Management System <a href="#">SeSam/AQUiLA</a></li><li>Data hosting and import for Partner institutions</li><li>Senckenberg provides persistent identifiers (DOIs) to support data archiving and access to research data.</li><li>Senckenberg hosts a data repository for earth, environmental and ecological research data</li></ul>			
	Data backup and archiving			
	<ul style="list-style-type: none"><li>SGN has implemented an effective backup and archiving workflow</li></ul>			
	Data publication			
	<ul style="list-style-type: none"><li><a href="#">GBIF Data Publisher</a> (Senckenberg)</li><li>BioCAsE Provider Software (BPS)</li></ul>			
	User services			
Helpdesk and Workshops on demand				
Service Levels	Data Set x	Data Package x	Data management x	Research Objects x
Data Formats				
Data Submission Formats	Data	Flexible; Preferably standardized formats like ABCD, EML; Spreadsheets (CSV) Example templates for data submission can be found in the GFBio collection of recommended data submission templates		
	Metadata	<a href="#">EML</a> , <a href="#">ABCD</a> , <a href="#">DarwinCore</a>		
Data Accessibility	Public access points	<a href="#">GFBio</a> , <a href="#">BioCAsE Data Access Services at the SGN</a> , Institutional landing pages of citable stable URIs, <a href="#">BioCASE</a> , <a href="#">GBIF</a> , <a href="#">SeSam/AQUiLA</a>		
	Standardised exchange formats	XML-files in <a href="#">ABCD</a> , <a href="#">DarwinCore</a> , <a href="#">EML</a> standard		
	Data formats	<a href="#">Text</a> , <a href="#">CSV</a> , <a href="#">XML</a>		
	Long-term availability	<a href="#">Unlimited</a> (minimum guaranteed time period of 10 years)		
Data Publication Services	Data Citation	Yes, citation for each individual data set		
	DOI	DOIs are issued via <a href="#">GBIF</a> publication and via <a href="#">DataCite</a> publication		
Archiving (RAW-data ingest, data, media)				
Licenses / Terms of Use	Metadata			
	Data			
Documentation				
Computing center, external service provider				
name of the associated computing center(s), (commercial) service provider(s) and services provided				
Backup				

## Your contact persons at SENCKENBERG

### Data curator

- Anke Penzlin

### Technical contact

- Anke Penzlin

### NFDI contact persons

- Anke Penzlin, Hanieh Saeedi



Contact SGN at [NFDI4Biodiversity](#)



**Do you have questions, feedback or need help?**

[Contact our Helpdesk](#) for direct support.

