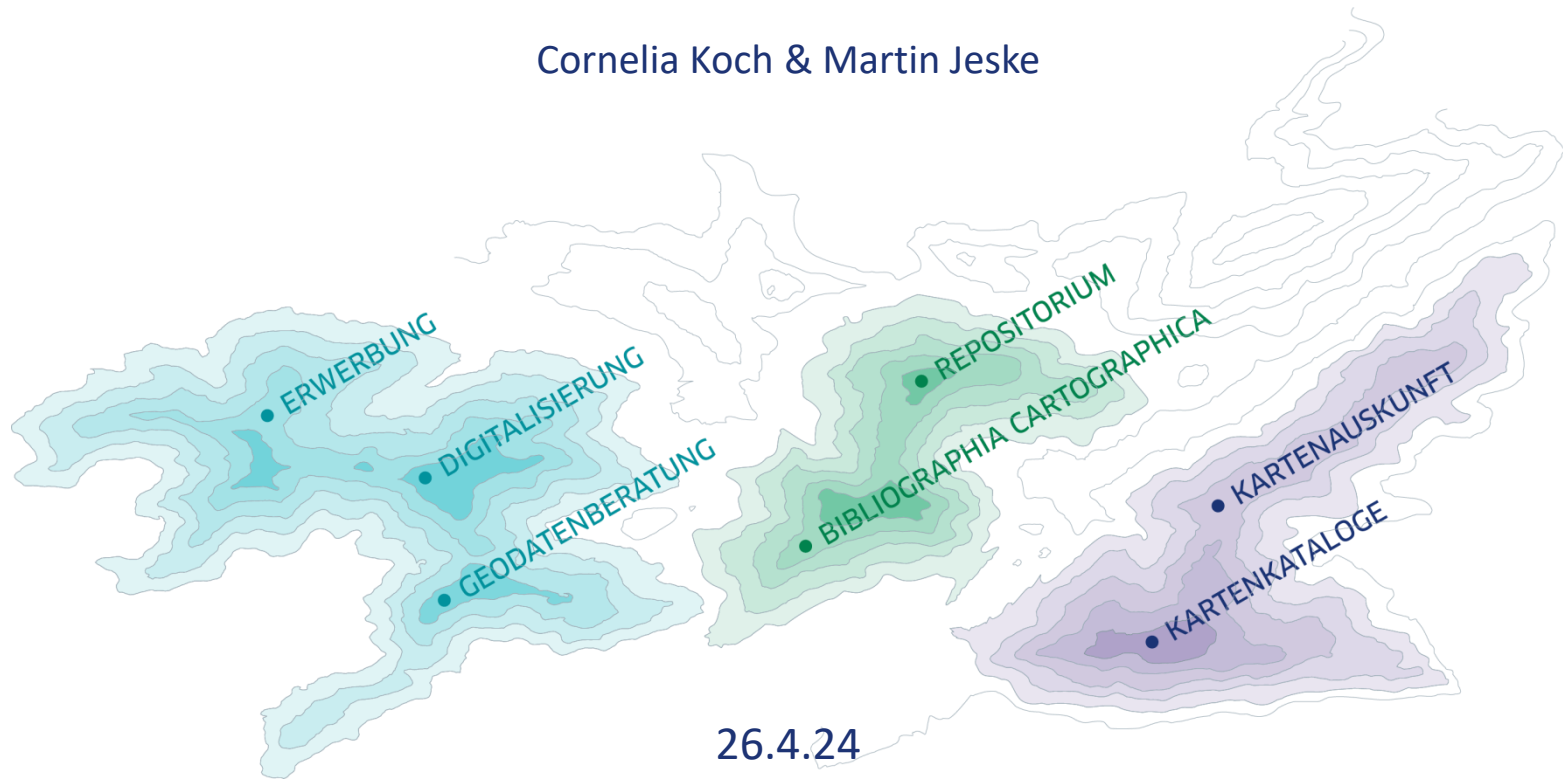


Specialized Information Service Cartography and Geodata (SIS Maps / FID Karten)

Staatsbibliothek zu Berlin

Cornelia Koch & Martin Jeske



26.4.24

NFDI4Earth Academy

Ein Dienst der



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Gefördert durch



Deutsche
Forschungsgemeinschaft

Content

Cornelia Koch (Project coordinator of SIS Maps):

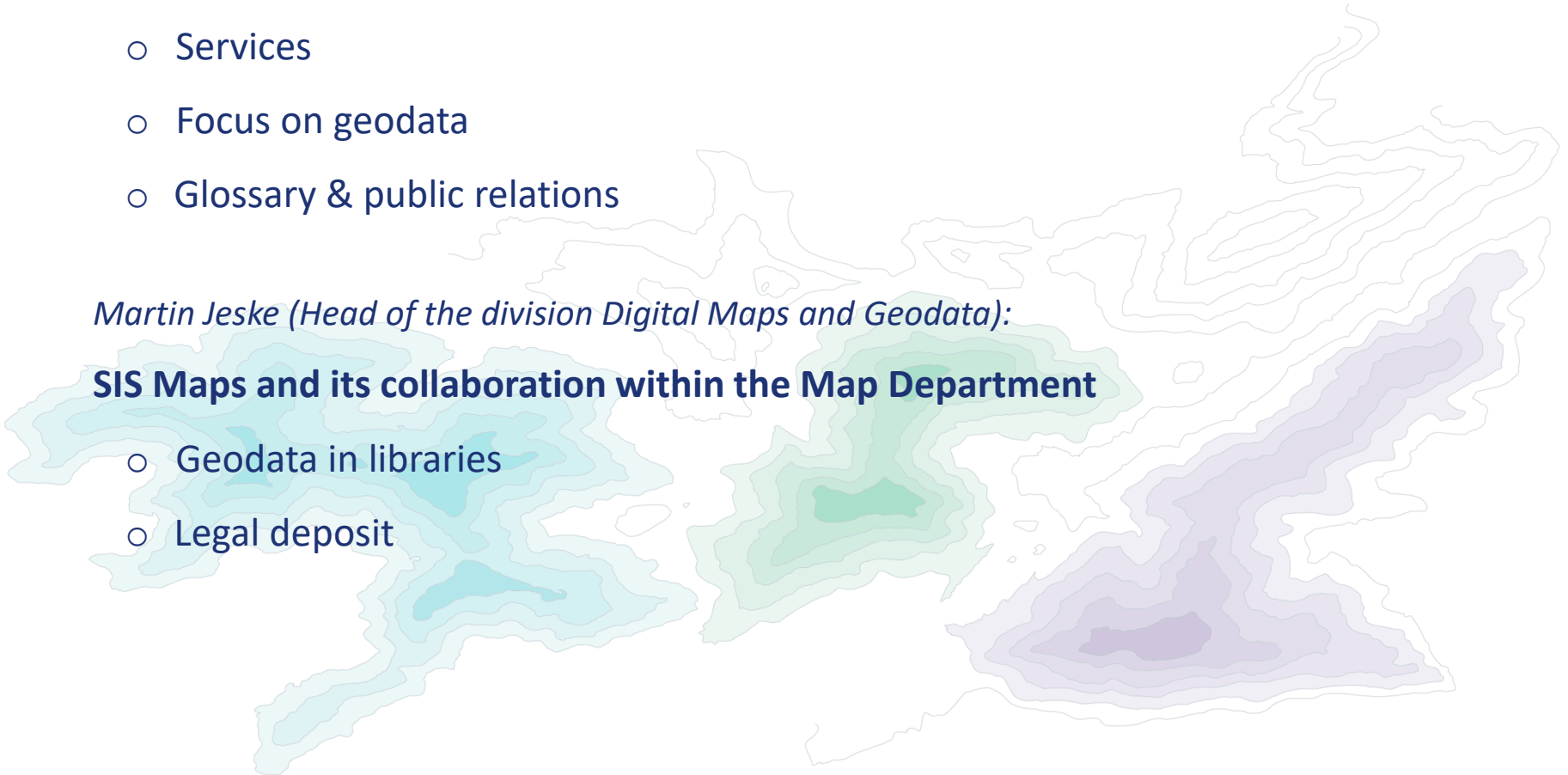
SIS MAPS

- Services
- Focus on geodata
- Glossary & public relations

Martin Jeske (Head of the division Digital Maps and Geodata):

SIS Maps and its collaboration within the Map Department

- Geodata in libraries
- Legal deposit



Specialized Information Service Cartography and Geodata - SIS Maps

FID KARTEN
Fachinformationsdienst
Kartographie und Geobasisdaten

- **located** in the Map Department of the Staatsbibliothek zu Berlin (SBB)
 - **funded** by the German Research Foundation (DFG) since 2016 / 3rd project phase
 - **target group:** researchers from the fields of Cartography / Geoinformation & all Cartography-applying sciences (interdisciplinary community)
 - **aims:** improving the digital research environment & extending the support in subject-specific matters **by provision of**
 - specialist information on cartographic materials (literature, geodata)
 - infrastructures that enable them to be found and accessed (catalogues, bibliography, repository)
 - **focused** on current customized needs
 - **team:** three fulltime project staff and support by the permanent staff;
Head of the project: Wolfgang Crom & Markus Heinz
- 

Services



... of
project-
related map
materials and
literature

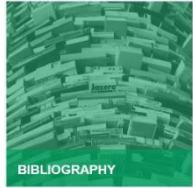
... of
research topic
related maps
(scans)

... of
providing
geodata
for scientific
projects

... of
subject related
literature
*Bibliographia
Cartographica
(BC)*

... of
subject-related
research
publications
on a open
access platform
*KartDok -
Cartography
Repository*

Services - **Bibliographia Cartographica (BC)** <http://bc.staatsbibliothek-berlin.de/>



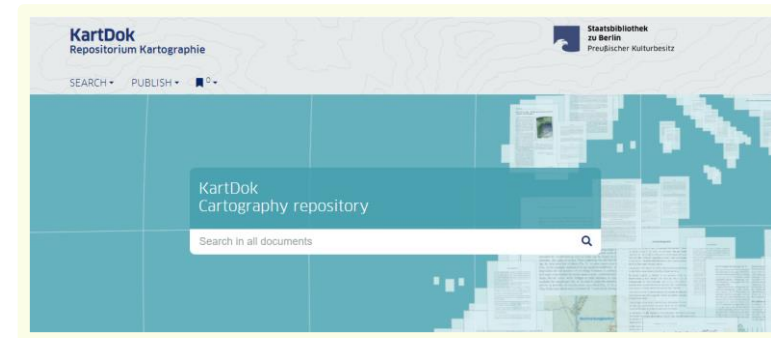
- **international subject bibliography for the fields of Cartography / Geoinformation and related subject fields**
- about 64,500 bibliographic references of research literature (14,300 e-resources)
- based on a continuous selection of articles from specific international journals, conference publications & monographs
- **add-ons** of the BC
 - by addition of links to freely available articles published online (full texts)
 - selected from geographic and geoscientific journals
 - OA preferred
 - by importing of former printed bibliographies on cartography (45 volumes, 1957 - 1989);
 - using OCR and Open Refine technologies
 - in order to be able to import them into the BC database and finally into the Union Catalogue of the GBV

See also: *Die Migration der Bibliographia Cartographica : Daten aufräumen mit OpenRefine*
Bibliotheksdienst Bd. 57, H. 2 (2023), <https://nbn-resolving.org/urn:nbn:de:0307-20231024-000-6>

Services - KartDok Cartography Repository <http://kartdok.de/>



- **open access subject-related publishing platform for scientific research documents on Cartography / Geoinformation**
e.g. articles, monographs, thesis, journals, videos, proceedings (FOSSGIS Conference, ICA planned)
- offers authors organizational and technical conditions
- for their first or second electronic publications
- *KartDok*: research data repository
- **main focus on text-based documents** (currently about 700)
 - statistical data or geodata (maps, vectorized geodata sets) can only be published as supplements to the respective publications in connection with these works
 - publishing stand-alone geodata we refer the research data repository for the Earth and Environmental Sciences:
GFZ Data Service [GFZ Data Services - Geosciences Data Publisher - GFZ Data Services \(gfz-potsdam.de\)](http://www.gfz-potsdam.de/)



Services - **Geodata Service** [Geodatenvermittlung | FID-Kartographie \(staatsbibliothek-berlin.de\)](http://geodatenvermittlung.staatsbibliothek-berlin.de)



- **supporting the research community in providing global geodata from 1500 until today**
 - analog maps
 - digital maps
 - digitized georeferenced maps
 - vectorized data sets (born analog, born digital)
- **giving advice on**
 - searching and finding of geodata (e.g. [library catalogues](#), geoportals, specialized retailers)

Topo List: catalogue of topographic map series: + geoportals + Grids & Datums

Estland	Verschiedene Maßstabsbereiche			
Titel:				
Anmerkung:	* Geoportal (checked 01/2019)			
Estland				
Titel:	Photogrammetric Engineering & Remote Sensing / American Society for Photogrammetry and Remote Sensing (ASPRS)			
Anmerkung:	* Grid & Datums (checked 01/2019)			
Estland	1:20 000	1994-		* 2 K 8863
Titel:	Eesti Põhikaart = Estonian basic map / Maa-amet ; AS Eesti Kaardikeskus. - Tallinn			
Estland	1:50 000	1999-		* 2 K 4100
Titel:	Eesti kaart = Estonia / Eesti Kaardikeskus. - Tallinn			
Estland	1:50 000	1996-		* 2 K 3869
Titel:	Eesti baaskaart:satelliit-fotokaart.../Eesti Kaardikeskus...- Tallinn			
Estland	1:50 000	1935-		

Grids & Datums

REPUBLIC OF ESTONIA
by Clifford J. Mugnier, C.P., C.M.S.

The original Estonians were conquered by the Slaves who founded Rerik in 1219. Rerik is the former name of Tallinn, the current capital of Estonia. Remains of the ancient Rerik fort settlement survive to this day, a witness to the construction skills of the craftsmen under the rule of King Valdemar II. Developed as a trading port and member of the Hanseatic League in the 13th century, it was sold to the Swedes in 1561 and on dissolution of the union it passed to Sweden in 1721. Later taken by Russia in 1782 and except for the period of independence from 1918 to 1940, it remained a Russian possession until its present independence in 1991 (afterwards Member's Geographical Dictionary). For reasons Estonia is slightly smaller than New Hampshire and Vermont, combined. Bordered on the north by the Gulf of Finland (F.G.E.), October 2000, on the west by Russia, on the south by Latvia (L.R.A.S.), September 2003, and on the east by the Gulf of Riga and the Baltic Sea, the total coastline is 3,758 km. The equator is completed mostly of marsh and bogs; the lowest point is the Baltic Sea (0 m), and the highest point is Suur-Maarangu (110 m).

at Pullvere Observatory when the new 1942 origin parameters of Pullvere Observatory are $\phi = 59^{\circ} 40' 18.55''$ N, $\lambda = 30^{\circ} 19' 42.00''$ East of Greenwich, and the reference ellipsoid is Bessel's, $a = 127,062,000$ m, and is referenced to the Krasovskiy 1949 ellipsoid where $a = 6,378,245$ m, and $f = 1/298.25$. $EA = +120m$, $EE = +120m$, $EE = +120m$. From Baltic Sea Transformation Datum to System A2 Datum: $EA = +120m$, $EE = +120m$, $EE = +120m$. From System A2 Datum to Estonian 1st WGS84 Datum: $EA = +120m$, $EE = +120m$, $EE = +120m$. From Transformation of Finland and St. Petersburg Territory Datum to WGS84 Datum: $EA = +120m$, $EE = +120m$, $EE = +120m$. From Baltic Sea Transformation Datum to WGS84 Datum: $EA = +120m$, $EE = +120m$, $EE = +120m$.

During these last few years the Russians were also actively incorporating their survey information in the Baltic States. Prior to 1932 the Russian territorial control (used by Russia) of the Baltic States was always referenced to Dargat Observatory at Tallinn in Estonia. In 1932 the Russians set up Pullvere Observatory at Tallinn, in their own territory (110 m).

Services - Geodata Service

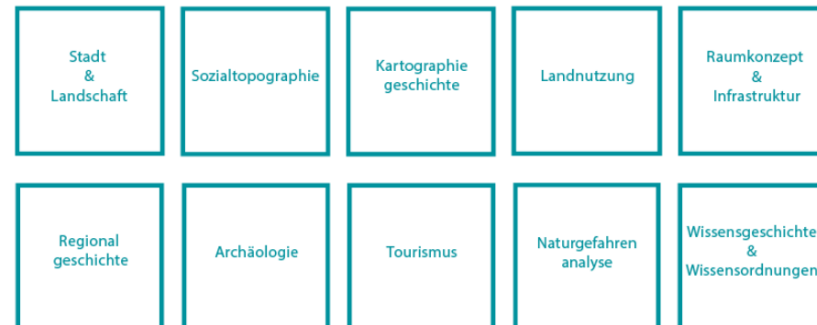


- **accompanies research projects individually**
 - by preparing the project-orientated geodata: ready for use
 - open data preferred
 - until data download (via geoportals or geodata providers)
 - free of charge (except acquisition of chargeable vectorized geodata)
 - support geodata management / all cartographic questions
 - interact with the scientific community to be able to work demand-oriented
 - present supported projects on the website

Unterstützte Projekte / Wissenschaftliche Einrichtungen (Auswahl)



• nach Themen



Communication

- **Glossary**

- SIS Maps: situated between library and Cartography / Cartography-applying sciences
- understanding of technical terms differs from discipline to discipline
- **creating a glossary of cartographic and library terminology**
 - improve the service related communication
 - practice-oriented selection of terms
 - content extendable
 - open comment function



- **Other communication platforms**

- **Website:** <https://kartographie.staatsbibliothek-berlin.de/>
- **BLOG**-section at the state library: <https://blog.sbb.berlin/karten>
- **Mastodon:** @fidkarten@openbiblio.social
- **Newsletter:** <https://kartographie.staatsbibliothek-berlin.de/registrierung/newsletter/>





**Staatsbibliothek
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GEODATA IN LIBRARIES

Martin Jeske

Division Digital Maps and Geodata

Map Department

Berlin State Library – Prussian Cultural Heritage



Libraries are relevant partners for spatial data infrastructures!

- traditional part of public services
- competences for metadata (catalogues and bibliographies)
- well established library catalogues
- huge number of different users (not only geosciences)



- collections of official publications of authorities in state libraries in the federate states / National libraries
- printed maps and digital geodata as official publications crucial part of many map collections
- time series analysis, comparisons of time slices to explore processes
- making analogue data available: digitization, georeferencing, vectoring, catalogue, offering
- challenges to collect born digital geodata like printed maps
- digital preservation and provision of geodata



- working group legal deposit geodata (AG Amtspflicht Geodaten)
 - coordinated by Berlin State Library
 - members: state libraries of the federate states / National libraries
 - goal: standard concept for digital preservation and provision of public geodata
 - model case proceeding for librarian guideline to catalogue geodata
 - Cooperation among libraries, archives and federate surveys



Baden-Württemberg: Badische Landesbibliothek, Karlsruhe; Württembergische Landesbibliothek, Stuttgart.
Bayern: Bayerische Staatsbibliothek, München; Staatliche Bibliothek Passau, Universitätsbibliothek Würzburg.
Berlin: Zentral- und Landesbibliothek Berlin. **Brandenburg:** Stadt- und Landesbibliothek Potsdam. **Bremen:** Staats- und Universitätsbibliothek, Bremen; **Hamburg:** Staats- und Universitätsbibliothek Hamburg Carl von Ossietzky, Hamburg. **Hessen:** Universitäts- und Landesbibliothek, Darmstadt; Universitätsbibliothek Johann Christian Senckenberg, Frankfurt am Main; Hochschul- und Landesbibliothek, Fulda; Universitätsbibliothek Kassel – Landesbibliothek und Murhardsche Bibliothek, Kassel; Hochschul- und Landesbibliothek RheinMain, Wiesbaden.
Mecklenburg-Vorpommern: Landesbibliothek Mecklenburg-Vorpommern, Schwerin. **Niedersachsen:** Gottfried Wilhelm Leibniz Bibliothek Niedersächsische Landesbibliothek, Hannover. **Nordrhein-Westfalen:** Universitäts- und Landesbibliothek Bonn; Universitäts- und Landesbibliothek Düsseldorf; Universitäts- und Landesbibliothek Münster. **Rheinland-Pfalz:** Landesbibliothekszentrum Rheinland-Pfalz, Koblenz; Stadtbücherei Trier; Stadtbücherei Mainz. **Saarland:** Saarländische Universitäts- und Landesbibliothek, Saarbrücken. **Sachsen:** Sächsische Landesbibliothek – Staats- und Universitätsbibliothek Dresden. **Sachsen-Anhalt:** Universitäts- und Landesbibliothek Halle; **Schleswig-Holstein:** Universitätsbibliothek Kiel; Schleswig-Holsteinische Landesbibliothek, Kiel; **Thüringen:** Thüringer Universitäts- und Landesbibliothek Jena.

Deutsche Nationalbibliothek: Frankfurt/ M. & Leipzig;

Staatsbibliothek zu Berlin – Preußischer Kulturbesitz: Berlin



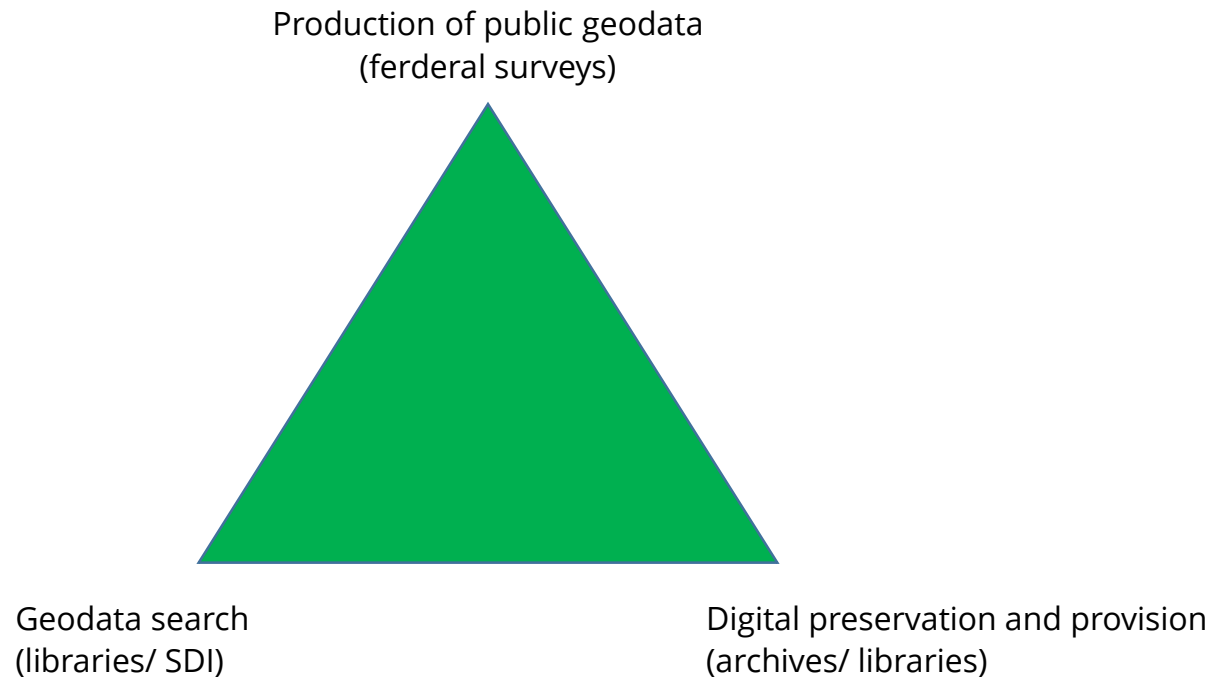
**ATKIS Basis-Landschaftsmodell : Basis-DLM : topographische
Objekte als bundeseinheitlicher amtlicher Vektordatenbestand /
Herausgeber: Landesvermessung und Geobasisinformation
Brandenburg (LGB)**

Optionen

Potsdam : LGB 2013 -
<https://geobroker.geobasis-bb.de/gbss.ph...> [Verlag: tagesaktuelle Daten] kostenfrei
zugänglich
<https://stabikat.de/DB=1/TTL=1/FAM?PPN=1...> [Verlag: Stand 14.09.2021 -] kostenfrei
zugänglich

Weniger Titelinformationen

ZDB-ID	3114315-5
Titel	ATKIS Basis-Landschaftsmodell : Basis-DLM : topographische Objekte als bundeseinheitlicher amtlicher Vektordatenbestand / Herausgeber: Landesvermessung und Geobasisinformation Brandenburg (LGB)
Körperschaft	Landesvermessung und Geobasisinformation Brandenburg Brandenburgisches Landeshauptarchiv
Erschienen	Potsdam : LGB
Erscheinungsverlauf	2013 -
Schriftenreihe	ATKIS-Basis-DLM
Anmerkungen	Online-Ressource Das Digitale Basis-Landschaftsmodell (ATKIS-Basis-DLM) ist ein digitaler, objektstrukturierter Vektordatenbestand. Er bestimmt die topographischen Objekte der realen Welt nach Lage und Form, nach Namen und Eigenschaften. Des Weiteren sind objektbezogene Sachdaten so verknüpft, dass der Datenbestand in einer GIS-Anwendung genutzt werden kann. Um eine bundesweite inhaltliche Einheitlichkeit der Daten zu erreichen, wird das ATKIS-Basis-DLM mithilfe eines abgeleiteten Objektartenkataloges (ATKIS-OK Basis-DLM), der Vorschriften zum Inhalt und zur Modellierung der topographischen Informationen für den Grunddatenbestand und die Länderlösungen enthält, definiert. Bei Nutzung der Daten sind die Lizenzbedingungen zu beachten. Gesehen am 21.03.2023 Abgabe von Zeitschnitten an das Brandenburgische Landeshauptarchiv Mehr
Standardnummern	OCLC-Nr.: 1311083699
URL	https://geobroker.geobasis-bb.de/gbss.ph... [Verlag: tagesaktuelle Daten] kostenfrei zugänglich https://stabikat.de/DB=1/TTL=1/FAM?PPN=1... [Verlag: Stand 14.09.2021 -] kostenfrei zugänglich
Lizenz-/Rechteangaben	Herkunft: GOVDATA : dl-de/by-2-0 .
Sacherschließung	DDC-Sachgruppen der ZDB: 520 Astronomie, Kartographie
Erscheinungsform	Zeitschrift
Veröffentlichungsform	Datenbank
Sprache	Deutsch
Erscheinungsland	Deutschland
Medientyp	Online-Ausgabe ; Karte
Erscheinungsfrequenz	täglich
IDN	1254093168



Thank you for your attention!



**Staatsbibliothek
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