

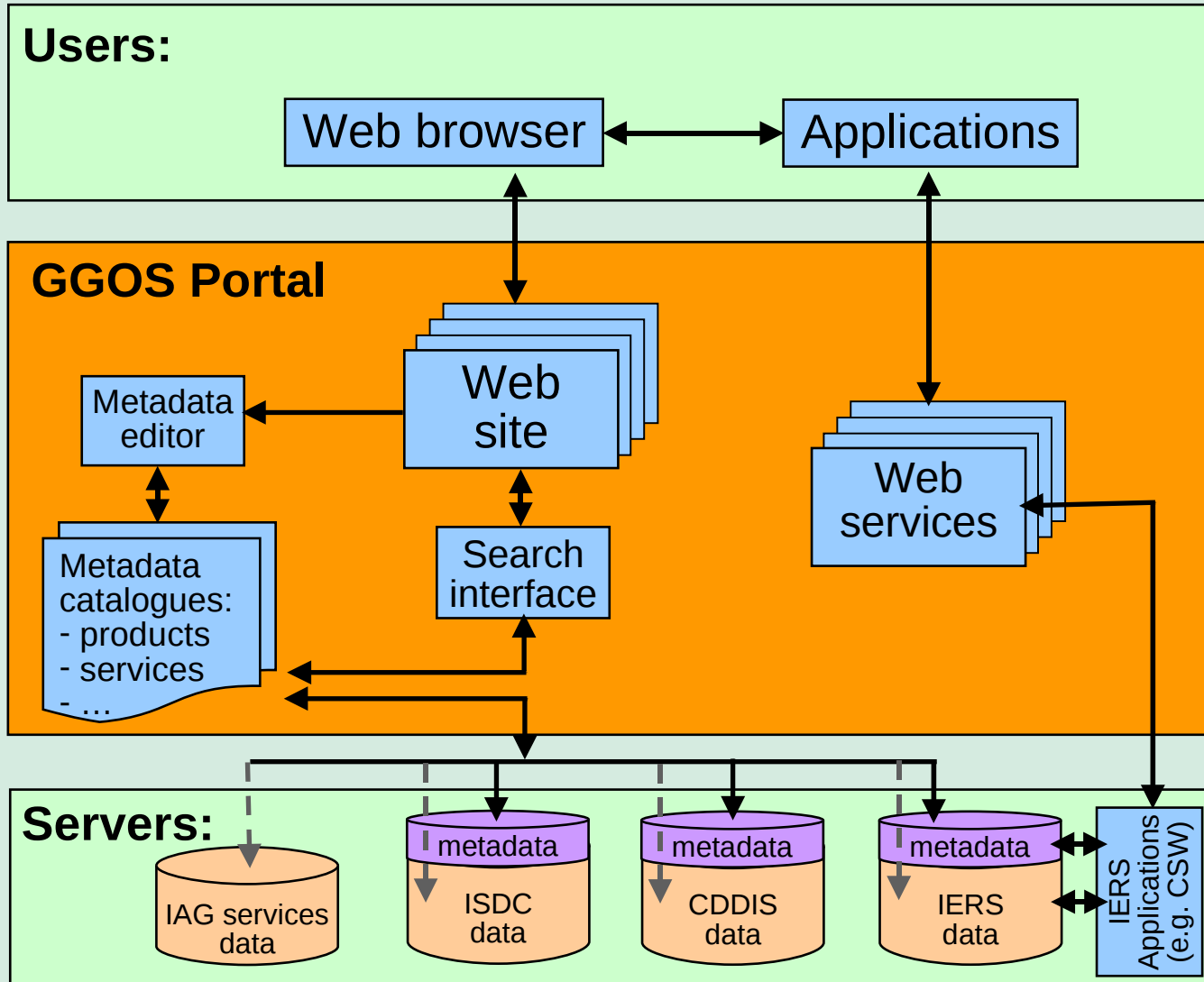
GGOS Portal - Status Report

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Provide a unique access point for all products and information relevant in the framework of GGOS!

- Maintenance of a GGOS Web site:
 - general information (structure, components, news, announcements, publications, links, ...);
 - facilitate GGOS communication (calendars, bibliography, working group activities, meeting summaries, ...);
 - search interface to browse the clearinghouse catalogues;
- Maintenance of a clearinghouse:
 - collect, manage & search data and service catalogues;
 - local catalogues and interfaces to external catalogues;
- Distributed applications for data mining of GGOS products and data files:
 - parse, merge, visualize and analyse data;



(cf. *GGOS Portal Specifications* document: http://www.iag-ggos.org/library/officials/CfP_GGOS_Portal_Spec.pdf)

- Realize a rapid prototype asap, comprising the most important features of the GGOS Web site and clearinghouse (6+ months).
- Extending the prototype to provide all requested features(12+ months).
- Take advantage of technologies, software and expertise already at hand at BKG to avoid time consuming software developments.
- Consider work from WG Data and Information Systems.
- Cooperation with GGOS componente, e.g. BNC and BSC to avoid duplication of work.

- Most urgent task since <http://www.ggos.org> is outdated and no longer maintained.
- As temporary solution content has been moved to <http://www.iag-ggos.org> by H.-P. Plag.
- *New* GGOS Web site <http://www.ggos.org> is planned to be launched June 15, 2009.
- Professional CMS software Government Site Builder (GSB) is being used to set up the GGOS Web site.
- GSB is the CMS of the German public federal government, offers flexible modules for all typical tasks of a CMS and is continuously being enhanced.

GSB Example: new IERS Web site

The screenshot shows the IERS website with several navigation and content elements highlighted by red boxes:

- Print and Recommend page:** Located in the top right corner.
- Home:** A sidebar menu containing Organization, Data / Products, Publications, Science Background, News / Meetings, and Links.
- Search:** A search bar with the text "search item" and a magnifying glass icon, with "Product search" below it.
- Service:** A sidebar menu containing IERS Components, FAQs, Glossary, Acronyms, Sitemap, Legal & Privacy, and Contact.
- Organization:** A main content area with a heading "Organization" and a paragraph describing the IERS, established in 1987.
- Data / Products:** A main content area with a heading "Data / Products" and a paragraph describing the data provided by IERS.
- Publications:** A main content area with a heading "Publications" and a paragraph describing the publications issued by IERS.
- Science Background:** A main content area with a heading "Science Background" and a paragraph describing information about Earth rotation.
- News and Meetings:** A main content area with a heading "News and Meetings" and a paragraph describing how to view news and meetings.
- Links:** A main content area with a heading "Links" and a paragraph describing links to related fields.
- News:** A sidebar menu containing links to IERS Bulletin A, IERS Bulletin B IAU1980, IERS Bulletin B IAU2000A, and more news.
- Meetings:** A sidebar menu containing links to European Geosciences Union General Assembly, IAU Symposium 261, and Fifth IVS Technical Operations Workshop.

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Modification date: 03.04.2009

Several navigation concepts possible

Context sensitive margin elements

Service area: Content from *shared docs*, may be shared by different subsites, e.g. IERS and GGOS.

Roadmap for the GGOS Web site

- Up to end of May:
 - definition of layout and navigation structure;
 - Web pages for the GGOS Web site will be created as GSB documents;
 - content from <http://www.iag-ggos.org> will be considered;
- GGOS subsite will be created in GSB during June 8-10 by an external GSB software professional:
 - copying the GSB templates used for the IERS Web site;
 - adapt the templates with respect to layout and navigation elements as defined for the GGOS Web site;
- Re-launch of <http://www.ggos.org> planned for June 15, 2009.

- Three software packages are available at BKG to realize the GGOS clearinghouse:
 - Commercial software used within the GeoPortal.Bund:
Has to be adapted to GGOS requirements.
 - AdV MetaInformationSystem used at BKG's GeoDatenZentrum (in-house development):
Ready to be used for GGOS.
 - GeoWebServer: open-source based software developed on behalf of BKG:
Still under development; first version won't be available before June.

AdV: Working Committee of the German State Offices

- **AdV MIS:**
 - Built-in metadata editor to create metadata with respect to products and services.
 - Built-in CSW interfaces to connect to other metadata databases, e.g. the IERS catalogue, or to be searched by other MIS.
 - Supports ISO 19115 core and full profile.
 - Import / Export of XML files is being developed.
- **GeoPortal.Bund metadata search interface:**
 - Realized within GSB as „simple“ JSP page (Java); a copy can be used and adapted for GGOS metadata search interface.
 - Connects via CSW to AdV MIS, IERS catalogue and many others.
 - Metadata provider offering a CSW interface may manage their metadata within their own software and connect via CSW.
- **Use the test case:**
 - Gain experience in creating ISO 19115 compatible metadata sets.
 - Investigate whether ISO full profile is sufficient to describe GGOS products.
 - GGOS ISO 19115 application profile would require software adaptations and should be avoided if possible.

What?

GeoMIS.Bund Advanced search

1. What? (Theme) [Examples](#)

Thesaurus
Seeks similar terms

Category?

2. Select professional categories

Air
 Statistics
 Geology
 Basic data
 Water
 Farming
 Infrastructure
 Biota and environment

When?

3. When? (Time: month | year)


from until

Where?

4. Where? (Location) [Examples](#)

Geothesaurus
Please specify only one geographical term.
Note: obtaining the result terms might take up to 30 seconds

The search will respect not only the text field but also the current map selection.




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Coordinates in WGS 84

North: 54.76658347°
 South: 47.20664343°
 East: 16.96997956°
 West: 4.41189813°

deactivate coordinate search



GGOS Portal - Status Report – GGOS Steering Committee, 15th Meeting – 18.04.2009 Technical University Vienna

GeoMIS.Bund Advanced search - document details

GeoMIS.Bund Advanced search - resources list

You searched for:

What? (Theme): AAM

Where? (Location): No period selected

When? (Time: month | year): Air, Basic data

Professional categories:

[» Alter search](#)
 [» New search](#)
 [» Assistant search](#)

Search results GeoMIS.Bund™

Please select your metadatabase by clicking the link:

Results per page:

1. NOKISCatalogue	Biota and environment, Basic data, Air, Water, Statistics, Infrastructure, Geology, Farming	(Error occurred)
2. IntergrCatalogue	Biota and environment, Basic data, Air, Water, Statistics, Infrastructure, Geology, Farming	(0 Results)
3. IERSCatalogue	Biota and environment, Basic data, Air, Water, Statistics, Infrastructure, Geology, Farming	(5 Results)
4. BKG_AdV_MIS	Biota and environment, Basic data, Air, Water, Statistics, Infrastructure, Geology, Farming	(0 Results)
5. Test UBA	Biota and environment, Basic data, Air, Water, Statistics, Infrastructure, Geology, Farming	(0 Results)
6. Test BBSR CSW	Biota and environment, Air, Water	(0 Results)
7. EGN Test	Biota and environment, Air, Water	(0 Results)
8. terraCatalog 2.2	Biota and environment, Air, Water	(4 Results)
9. Deutscher Wetterdienst	Biota and environment, Air	(Error occurred)
10. Foundation Alfred Wegener Institute for Polar and Marine Research and Center for Marine Environmental Sciences	Biota and environment, Air, Water, Geology	(9 Results)
11. Bundesamt fuer Kartographie und Geodaesie (BKG)	Basic data	(0 Results)
12. Metadatendienst des GeoPortal.Bund	Biota and environment, Basic data, Air, Water, Statistics, Infrastructure, Geology, Farming	(0 Results)
13. GeoPortal Metadaten 2	Basic data, Water, Statistics	(0 Results)
14. Umweltportal Deutschland (PortalU)	Biota and environment, Air, Water	(Error occurred)
15. Test PortalU AP1	Biota and environment, Air, Water	(0 Results)
16. MIS RLP	Biota and environment, Air, Water	(0 Results)
17. Delphi Metadatendienst	Biota and environment, Basic data, Air, Water, Statistics, Infrastructure, Geology, Farming	(0 Results)

[» top](#)

GeoMIS.Bund Advanced search - document list

You searched for:

What? (Theme): AAM

Where? (Location): No period selected

When? (Time: month | year): Air, Basic data

Professional categories:

IERSCatalogue

Results 1 to 5 of 5 [1]

[» back to document list](#) [» save results as text file \(csv\)](#)

- [Global AAM Values from the NCEP/NCAR Reanalyses](#)
 Data are NCEP values of effective atmospheric angular momentum functions as calculated from NCEP/NCA...

 Options: [»Order](#)
- [Global AAM Values from the NCEP/NCAR Reanalyses](#)
 Data are NCEP values of effective atmospheric angular momentum functions as calculated from NCEP/NCA...

 Options: [»Order](#)
- [Global AAM Values from the NCEP/NCAR Reanalyses](#)
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 Options: [»Order](#)
- [Global AAM Values from the NCEP/NCAR Reanalyses](#)
 Data are NCEP values of effective atmospheric angular momentum functions as calculated from NCEP/NCA...

 Options: [»Extent](#) [»Order](#)

[» top](#) [» back to document list](#)
[» save results as text file \(csv\)](#)

Results 1 to 5 of 5 [1]

Info

Click title of dataset to get further information. Additional options are::

- »Extent: Shows extent of dataset in the map.
- »Viewer: Opens map in the viewer.
- »Order: Order dataset via e-mail.
- »Download: Download of dataset.

AdV MIS: Metadata Management

PRODUCTDATA-UPDATE

Meta-Metadata	Identification	Data-Quality	Reference System	Content	Portrayal-Catalog	Distribution	Back to Mainmenu
quasiGeoid	quasiGeoid	quasiGeoid	AdV-CRS EPSG	quasiGeoid	quasiGeoid		

Meta-Metadata	Identification	Data-Quality	Reference System
quasiGeoid	quasiGeoid	quasiGeoid	AdV-CRS EPSG

Citation data for the resource(s)
 Quasigeoid of the Federal Republic of Germany [DEBK00C00000117]

Abstract

For the direct conversion between GPS heights and official heights from leveling, geoids or quasigeoids can be used. For the territory of the Federal Republic of Germany a combined satellite-geodetic gravimetric levelling quasigeoid was derived that allows a transformation between GPS heights in ETRS89 and official heights in the DHHN92 (NHN) with an accuracy of 2 cm. The geoid is delivered for the whole territory of the FRG or for four parts. These four parts contain:

Northeast: Berlin, Brandenburg, Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt, Thuringia
 South: Baden-Württemberg, Bavaria

Purpose
 Realization of a quasigeoid that is compatible to the ETRS89 and DHHN92 for public and private users.

Status
 onGoing

Point Of Contact

- + Schirmer, Heinz-Uwe Federal Agency for Cartography and Geodesy [DEBK00R00000262] --- Rolle: pointOfContact
- BKG Vertrieb [DEBK00R00000334] --- Rolle: distributor
- Federal Agency for Cartography and Geodesy [DEBK00R00000038] --- Rolle: resourceProvider
- Retzek, Reiner Federal Agency for Cartography and Geodesy [DEBK00R00000100] --- Rolle: pointOfContact
- Schleiter, Gisela Federal Agency for Cartography and Geodesy [DEBK00R00000329] --- Rolle: pointOfContact

Data Identification

Spatial RepresentationType
 grid

SpatialResolution factor
 SpatialResolution factor treat!

Distance
 Distance treat!

Language
 Deutsch

save changes
reset form

- **GGOS Web site:**
 - Realized with the professional CMS Government Site Builder.
 - Planned to be launched June 15, 2009.
 - Takes advantages from resources set-up for the IERS Web site within GSB.
 - No content management by external users!
- **GGOS Clearinghouse:**
 - Several software packages available.
 - GGOS metadata profile to be specified: ISO 19115 full profile or an ISO application profile as extension to ISO 19115.
 - Test case to gain experiences in metadata management of GGOS products and to decide on
 - ISO profile for GGOS;
 - software to be used for the clearinghouse.



Thank you for your attention!

GSB: Advantages and Disadvantages

- + Offers all necessary modules: newsletter, dynamic lists, link consistency, guest book, multimedia, RSS newsfeed, multilingual Web sites, user authentication ...
- + High scalability and caching mechanisms guarantee high performance at high web traffic.
- + Open interface to tie external applications (e.g. GeoPortal.Bund).
- + All BKG Web sites are realized with GSB; installation and maintenance is performed by BKGs IT group.
- + No software developments, no costs.
- No content management by external users, i.e. internal EC & SC pages should be maintained otherwise (<http://www.iag-ggos.org> or within a WIKI).

GeoPortal.Bund: MIS of the German Federal Agencies

Metainformationssystem

gewählte Rolle: "Änderung aller Datensatzbereiche "

Hauptmenü

Geodaten-Metadaten	Hinzufügen Aktualisieren Löschen
Service-Metadaten	Hinzufügen Aktualisieren Löschen
Ausdehnung	Hinzufügen Aktualisieren Löschen
Quellenangaben	Hinzufügen Aktualisieren Löschen
Kontakte	Hinzufügen Aktualisieren Löschen

Zurück zur Rollenauswahl Bearbeitung beenden

UK DE

**Add
Update
Delete** } **Metadata**
w.r.t.
- products
- services
- contacts
- ...

Geodata-Metadata Update dataset

selected roll: **Change of all Datasetareas**

treatment of Geodata-Metadata

of profil: Core AdV

Please select dataset

Select dataset

Back to mainmenu

- Geo base data describing real estate [DEBK00M00000081]
- Geobasisdaten [DEBK00M000000119]
- Geodetic base data [DEBK00M00000082]
- Geodetic Point Index [DEBK00M00000040]
- Geographical Names 1:1 000 000 [DEBK00M00000102]
- Geographical Names 1:250 000 [DEBK00M00000112]
- Geoid / Quasigeoid [DEBK00M00000041]
- Georeferenzierte Adressdaten - Bund [DEBK00M00000127]
- Interactive maps on CD-ROM [DEBK00M00000007]
- Official Real Estate Cadastral Information System [DEBK00M00000033]
- Other products [DEBK00M00000024]
- Other digital products [DEBK00M00000009]
- Quasigeoid of the Federal Republic of Germany [DEBK00M00000117]**
- Real Estate Book [DEBK00M00000034]
- SAPOS® - Satellite Positioning Service of the German National Survey [DEBK00M00000042]
- Topographic area map [DEBK00M00000021]
- Topographic geo base data [DEBK00M00000080]
- Topographic Map Series (TK) [DEBK00M00000020]
- Topographic Map 1:200 000 [DEBK00M00000107]
- Topographic special map [DEBK00M00000022]