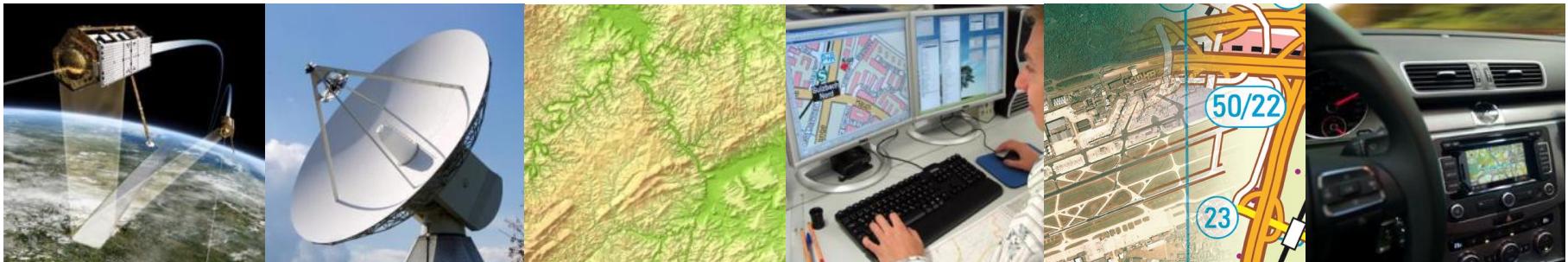




# Plenary Meeting of the Quality Knowledge Exchange Network

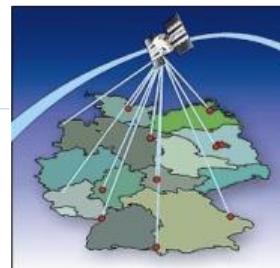
## 18.-20.10.2017, Frankfurt

Prof. Hansjörg Kutterer  
Bundesamt für Kartographie und Geodäsie

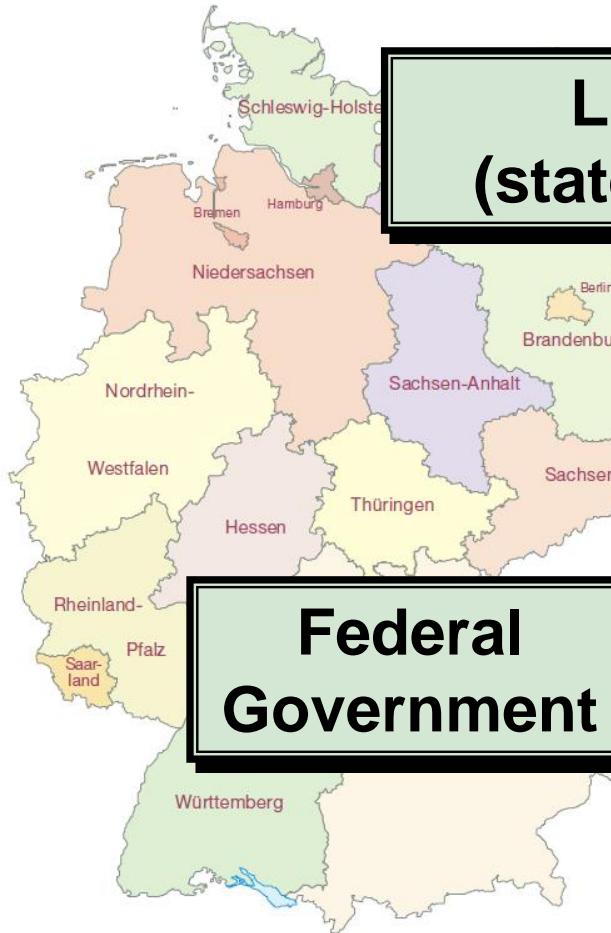


# Our History

- Founded in 1951 as Institute for Applied Geodesy (IfAG)
- Assignment to the portfolio of the Federal Ministry of the Interior (BMI) by decree in 1952
- Renaming in 1997 after reorganisation into Federal Agency for Cartography and Geodesy (BKG)



# Survey and Land Registration in Germany



## Länder (states) / AdV

## Survey and Land Registration

Provision of the geodetic reference systems, reference networks and geotopographic reference data of the Federal Government

## Federal Government

Statutory basis for BKG since 01.11.2012:  
Bundesgeoreferenzdatengesetz (BGeoRG)  
(Federal Act on Georeference Data). Further  
Administrative Agreements between the  
German federal and state governments  
regulate measures concerning provision  
and use of the data.



# Survey and Land Registration in Germany



## Tasks → Spatial data management

### Federal law:

- Federal act on georeference data (BGeoRG)
- Act on access to geodata (GeoZG)  
→ INSPIRE

### Länder law:

- Acts on surveying and cadaster
- Acts on access to geodata
- Acts on geodata infrastructure



# BKG at a Glance

## Who we are:

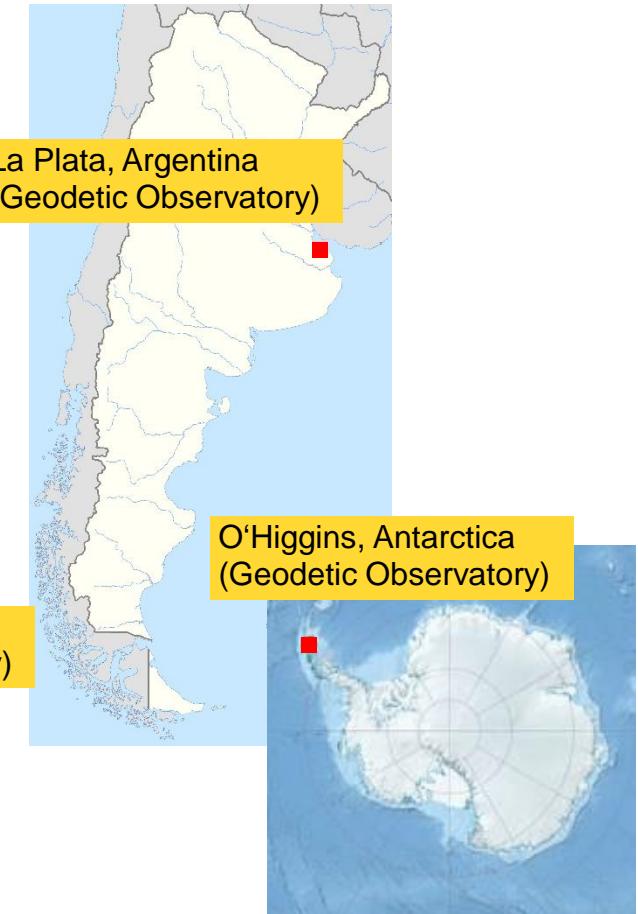
- The central service provider of topographic data, cartography, and geodetic reference systems for the German federal government
- A technical agency under the Federal Ministry of the Interior, with specialist departments in geodesy and geoinformation
- Operators of a service center for geoinformation and geodesy
- Providers of training in the professions of geomatics technician and precision mechanic



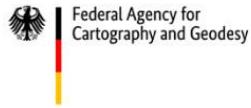
# Tasks from the BGeoRG

1. *Editing, updating and provision of location-based and space-referenced data [...],*
2. *Provision and maintenance of the national superordinate geodetic reference networks [...],*
3. *Collaboration [...] for the setup and maintenance of global geodetic reference systems as well as the further development of the [...] measurement and observation technology,*
4. *Coordination of the development and enhancement as well as preservation of the Federation's share in the Spatial Data Infrastructure Germany,*
5. *Operation of a Service Center of the Federal Government, which assumes the coordination function [...], carries out a need analysis for geodata, makes the latter available via a geoportal [...] and provides support to federal authorities [...],*
6. *Representation of technical interests of Germany [...], participation in the preparation of civil programs and legal regulations as well as in the [...] preparation and harmonization of cartographic and geodetic products.*

# Locations



# Organization



## Organization Chart

As of September 2017

Central Office Frankfurt am Main, Germany

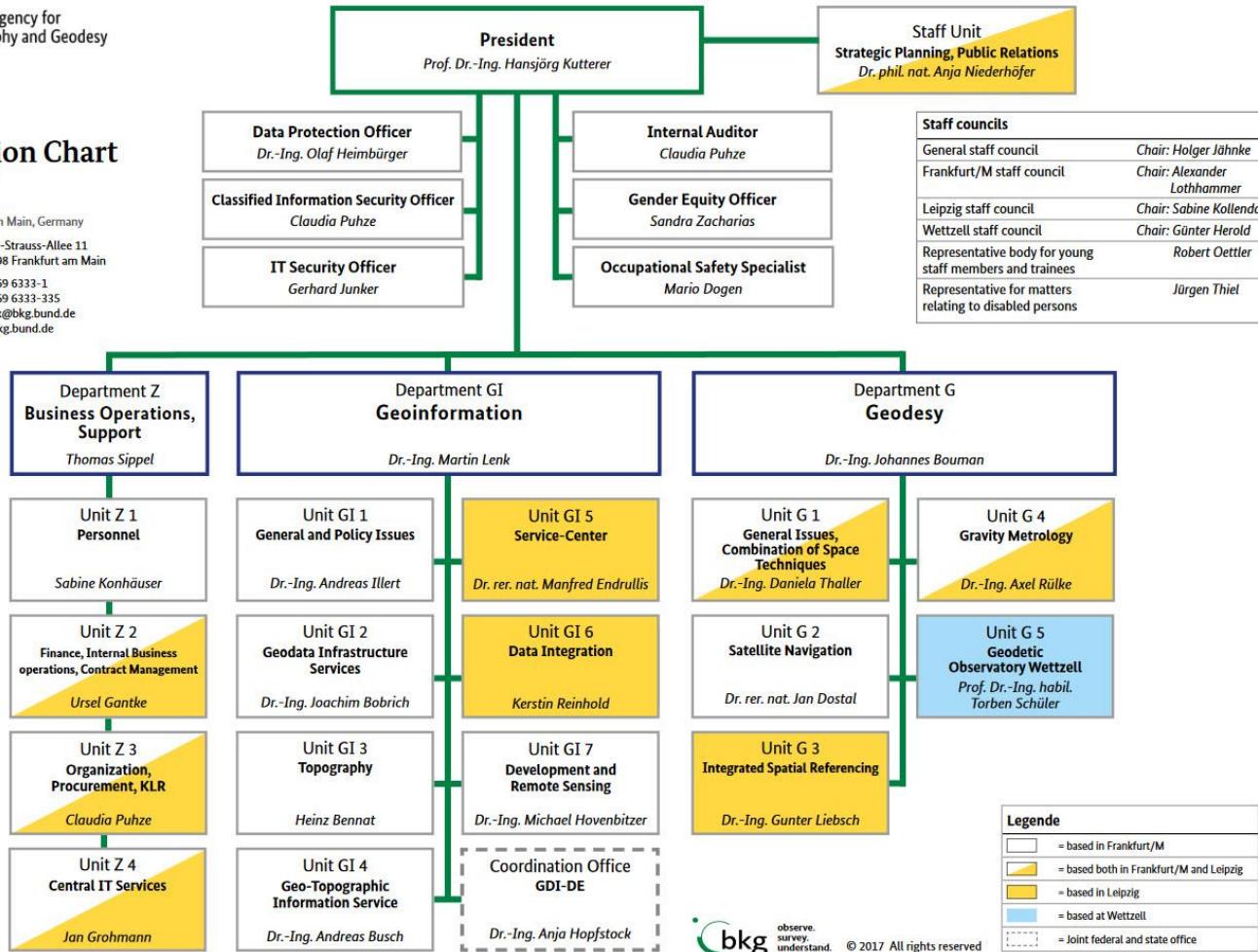
Address

Richard-Strauss-Allee 11  
D- 60598 Frankfurt am Main  
Telephone  
Telefax  
E-Mail  
Internet

+49 (0)69 6333-1

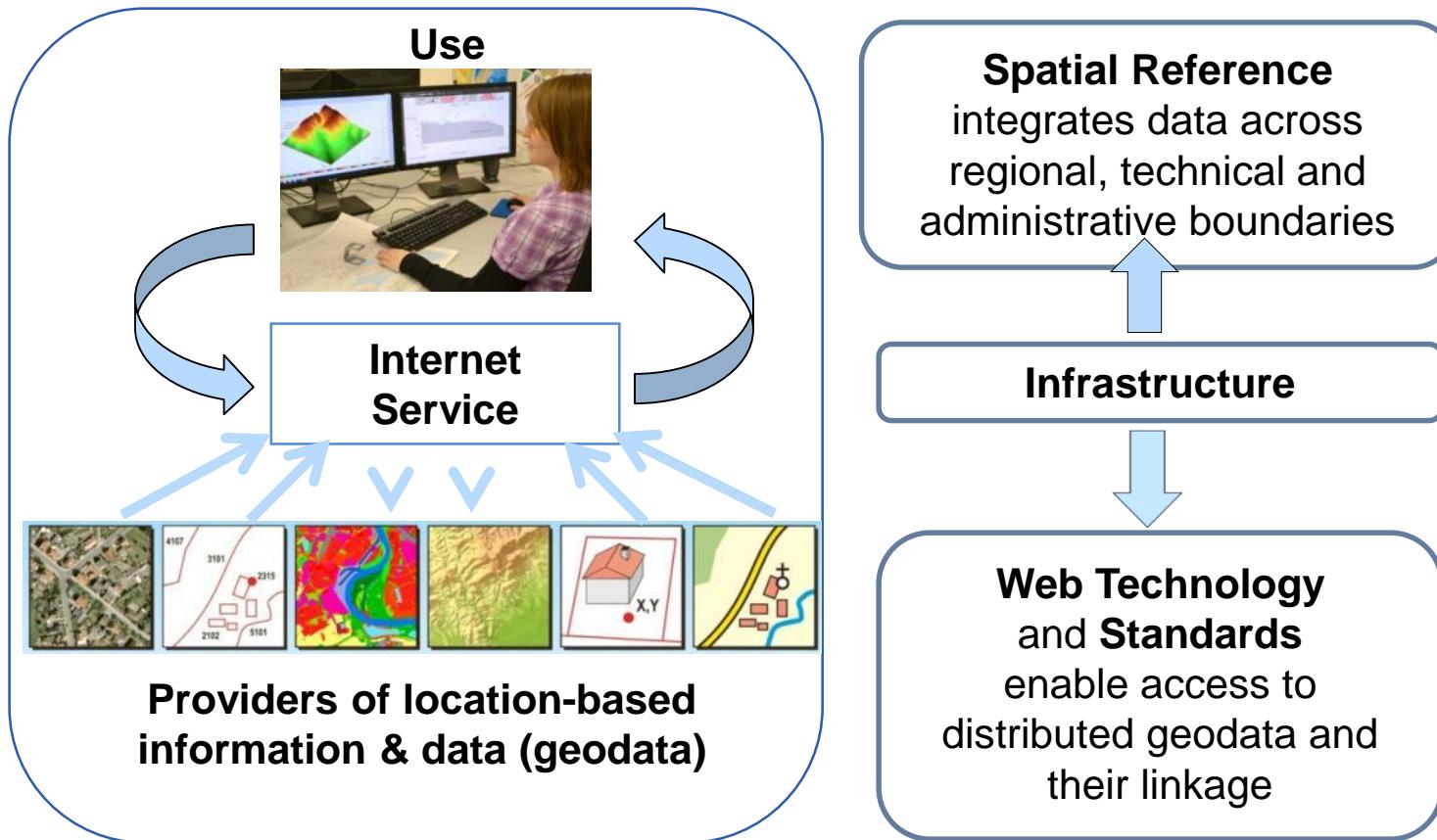
+49 (0)69 6333-335

Mailbox@bkg.bund.de  
www.bkg.bund.de



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# Linkage of Geodata through Spatial Reference



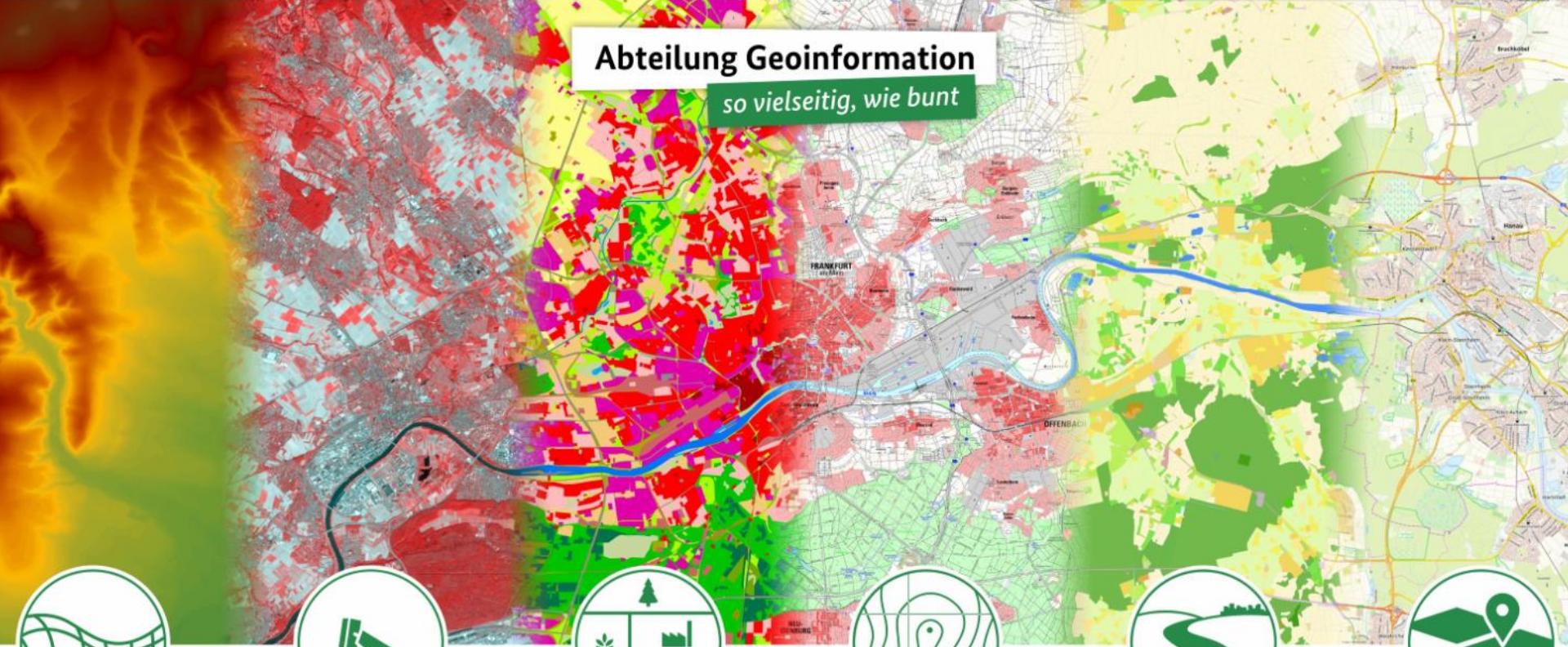
# Activities in the field of Geoinformation

## Development

- National Spatial Data Infrastructure (GDI-DE)
- Internet services (Service Center)
- Land Cover Model (LBM-DE)
- DLM Modelling and Visualization (ATKIS)
- European GDI (INSPIRE, EuroGeographics)
- International projects (e.g. GMES, GEOSS, UN-GGIM)

## Production

- Mean and small-scale map series and DLMs
- Participation in the production of European datasets (within the scope of EuroGeographics)
- Needs assessment and demand-oriented supply of the Federal Administration (Service Center)
- Data distribution/customer support (Service Center)



## Abteilung Geoinformation

so vielseitig, wie bunt



DGM



Satellit



LBM



DTK



DLM



TopPlus

# BKG's Service Center

## What is offered?

- **Central Service** with information on availability, quality, possibilities of use, terms of supply, and costs of the official basic geodata
- **User-oriented advice and provision of matched tools** as well as application-specific preparation of the data
- **Harmonization of the geodata sets** of the Länder (federal states)
- **Provision of the data**
  - in common standard formats, projections, reference systems and desired spatial sections
  - via standardized web services
- **Web applications** such as nationwide interactive maps, search of place names, or coordinate transformation
- **Online offers** for downloads of test data, documentation, tile indexes and much more



# National Strategy for Geoinformation (NGIS)

- Crosslevel national strategy for geoinformation adopted in 2015
- Developed in cooperation with all federal levels (federal government, Länder, municipality), open communities, science and economy
- 3. National Progress Report on Geoinformation from 2012 pointed out key points for the national strategy for geoinformation
- 4. National Progress Report on Geoinformation adopted in June 2017
- Implementation of the NGIS started in May 2017



# 4. National Progress Report on Geoinformation

- Adopted in June 2017
- Based on actions for the implementation of the objectives of NGIS
- Main objectives and actions in areas of:
  - Digitization and mobility
  - Open data
  - INSPIRE
  - Potential of Remote Sensing
  - Trends in IT
  - Sustainable Development Goals

→ Identifying and using external influences and driving forces

## Geoinformationen einfach genutzt

Vierter Bericht der  
Bundesregierung über die  
Fortschritte zur Entwicklung der  
verschiedenen Felder des  
Geoinformationswesens im  
nationalen, europäischen und  
internationalen Kontext

### 4. Geo-Fortschrittsbericht der Bundesregierung

# The Working Committee of the Surveying Authorities of the Länder of the Federal Republic of Germany (AdV)



Arbeitsgemeinschaft der Vermessungsverwaltungen der Länder der Bundesrepublik Deutschland (AdV)

- German umbrella organisation of the authorities of the 16 Länder competent for land surveying and cadaster and of three federal authorities
- Central distribution of products (e.g. topographical data by BKG)

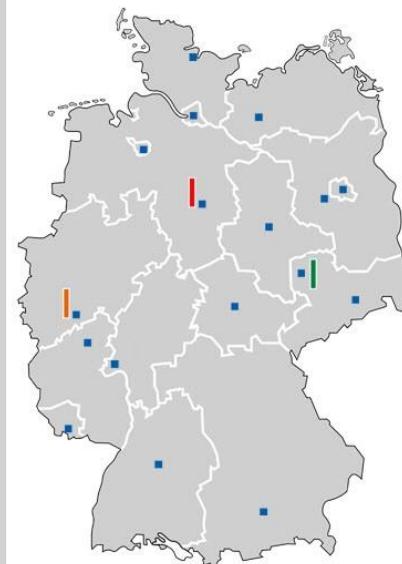
**AdV-Produkte**

- Vertriebsstellen
- ZSHH
- ZSS
- Liegenschaftskataster
- Geotopographie
- Festpunkte
- SAPOS
- Geobasisdatendienste
- Weitere Produkte
- Metadateninformationssystem
- Bezugsbedingungen
- Standards und Produktblätter

**AAA®-Modell**

- Geodätische Grundlagen
- Veröffentlichungen
- Links
- Termine

**GeoBasis-DE**



Ein Klick auf die Fläche eines Bundeslandes reicht aus, hier öffnet sich die entsprechende Seite der Vertriebsstelle im neuen Browserfenster. Zur Anzeige der Adresse reicht ein Überfahren mit der Maus bereits aus.

Länderübergreifende, bundesweite Vertriebsstellen

**GeoBasis-DE**

[Satellitenpositionierungsdienst der deutschen Landesvermessung](#)

Landesamt für Geoinformation und Landesvermessung Niedersachsen

Tel.: +49 511 64609-222  
E-Mail: [sapos-zentrale-stelle@lgl.niedersachsen.de](mailto:sapos-zentrale-stelle@lgl.niedersachsen.de)  
[www.zentrale-stelle-sapos.de](http://www.zentrale-stelle-sapos.de)

**GeoBasis-DE**

[Hauskoordinaten und Hausumringe des deutschen Liegenschaftskatasters](#)

Bezirksregierung Köln

Tel.: +49 221 147-4481  
E-Mail: [hauskoordinaten@bezreg-koeln.nrw.de](mailto:hauskoordinaten@bezreg-koeln.nrw.de)  
[www.geobasis.nrw.de](http://www.geobasis.nrw.de)

**GeoBasis-DE**

[Geodaten der deutschen Landesvermessung](#)

Bundesamt für Kartographie und Geodäsie

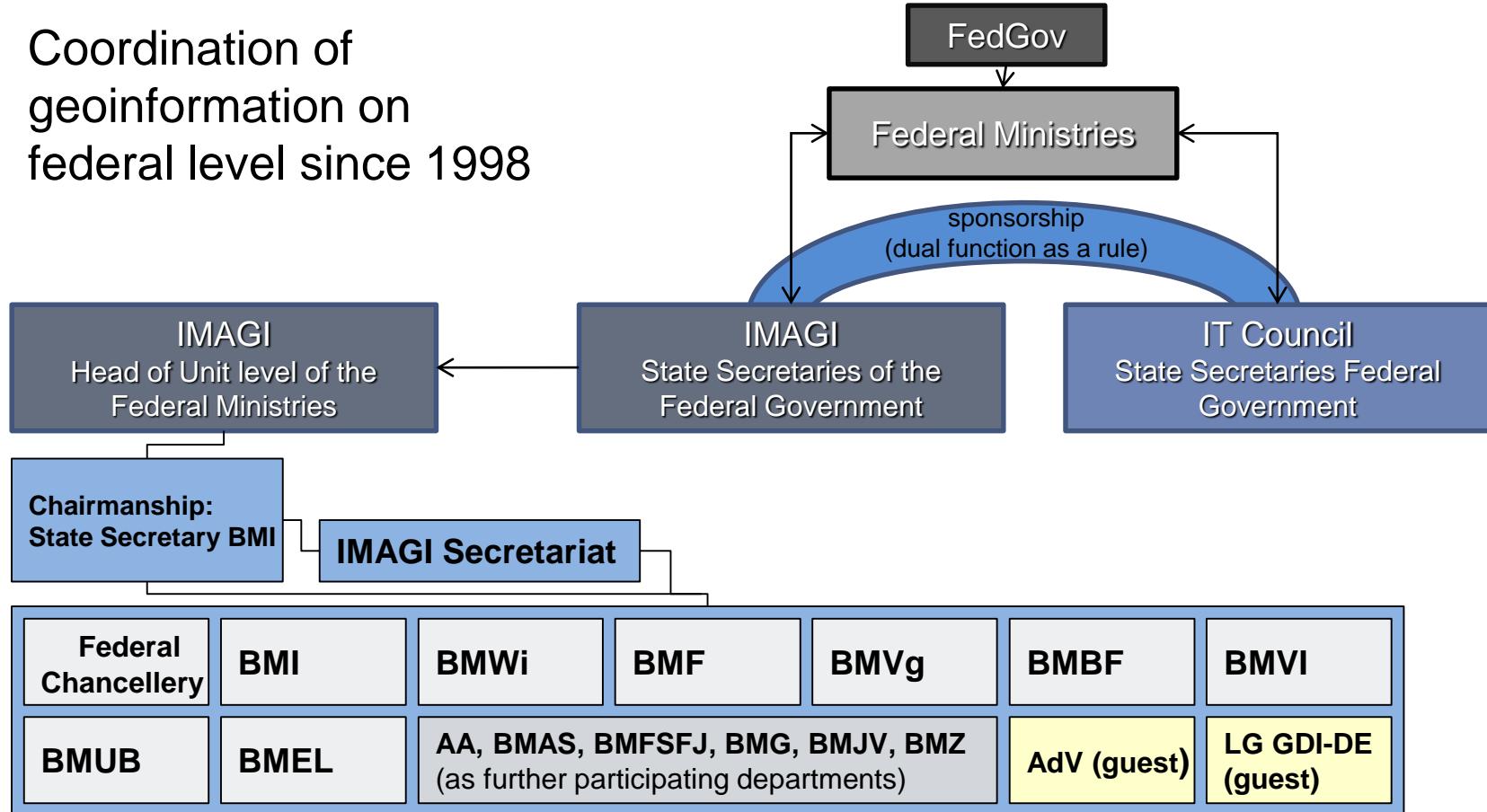
ZSGT am Dienstleistungszentrum

Tel.: +49 341 5634-333  
E-Mail: [dlz@bkg.bund.de](mailto:dlz@bkg.bund.de)  
[www.geodatenzentrum.de](http://www.geodatenzentrum.de)

# The Interministerial Committee for Geoinformation (IMAGI)

**IMAGI**

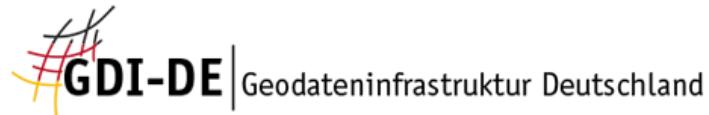
- Coordination of geoinformation on federal level since 1998



Federal Agency for  
Cartography and Geodesy

# Examples for present cooperations

- National



Arbeitsgemeinschaft der  
Vermessungsverwaltungen  
der Länder der Bundesre-  
publik Deutschland (AdV)



Bundesamt  
für Migration  
und Flüchtlinge

BUNDESPOLIZEI



- European





# **Thank you for your kind attention!**

**Prof. Dr.-Ing. Hansjörg Kutterer**

Director General

Bundesamt für Kartographie und Geodäsie  
Richard-Strauss-Allee 11  
60598 Frankfurt

Tel.: + 49 – 69 – 6333 226

Fax: + 49 – 69 – 6333 441

E-Mail: [vorzimmerpraesident@bkg.bund.de](mailto:vorzimmerpraesident@bkg.bund.de)