



Federal Agency for
Cartography and Geodesy



Nuclear Power in Europe

A web application of an overview of nuclear power plants (NPPs) across Europe

Berlin, 12th September 2023

Marian Graumann (BKG)



Agenda

- 1. Federal Agency for Cartography and Geodesy**
2. Satellite-Based Crisis and Spatial Information Service (SKD)
3. Nuclear Power in Europe
 - a. Initial situation
 - b. The application
 - c. Upcoming developments

Who is BKG ?

- A **technical agency** under the **Federal Ministry of the Interior and Community**, with specialist departments in geodesy and geoinformation
- The **central service provider** of topographic data, cartography, and geodetic reference systems for the German federal government
- **Operators of a service center for geospatial information and geodesy**
- Representative of Germany's interests in geospatial information at European and international level
- Providers of training in the professions of geomatics technician and precision mechanic

www.bkg.bund.de/EN/



Geoportal
www.geoportal.de



Digital Atlases
www.bkg.bund.de/atlanten



Who is BKG?



La Plata/ Argentina



O'Higgins/ Antarctica



Leipzig



Frankfurt am Main



Wettzell

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Our unit @ BKG: The SKD

- **The Satellite-Based Crisis and Spatial Information Service**
(German: Satellitengestützter Krisen- und Lagedienst, SKD)
- **Prospering unit at BKG**
 - Currently 22 employees in the SKD team (growing)
 - 12/7 standby availability
- **On-demand geospatial services for authorised users**
 - Remotely sensed information
 - Mapping and map production
- **All SKD services are free of charge to Federal Agencies in Germany**



Our mission



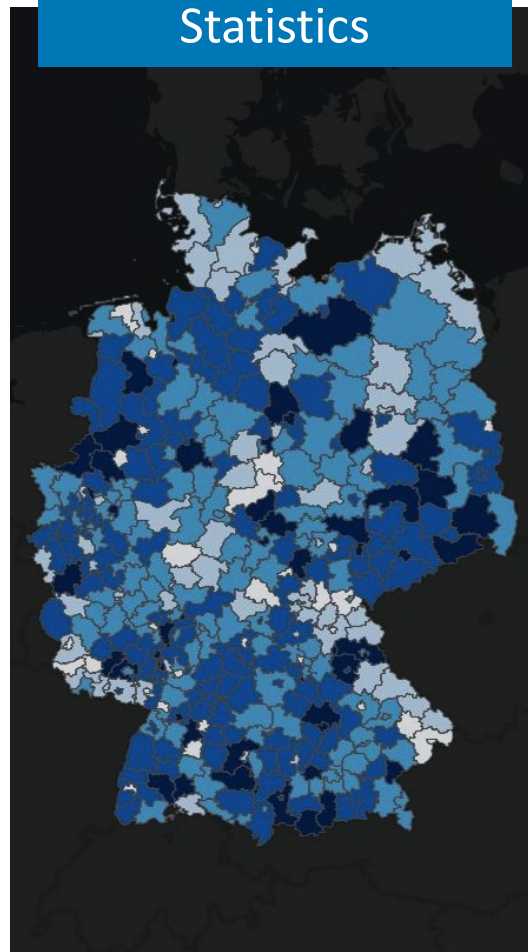
We create highly specialized analyses and map products for federal agencies and others

We use BKG's geospatial and technical data as an important basis

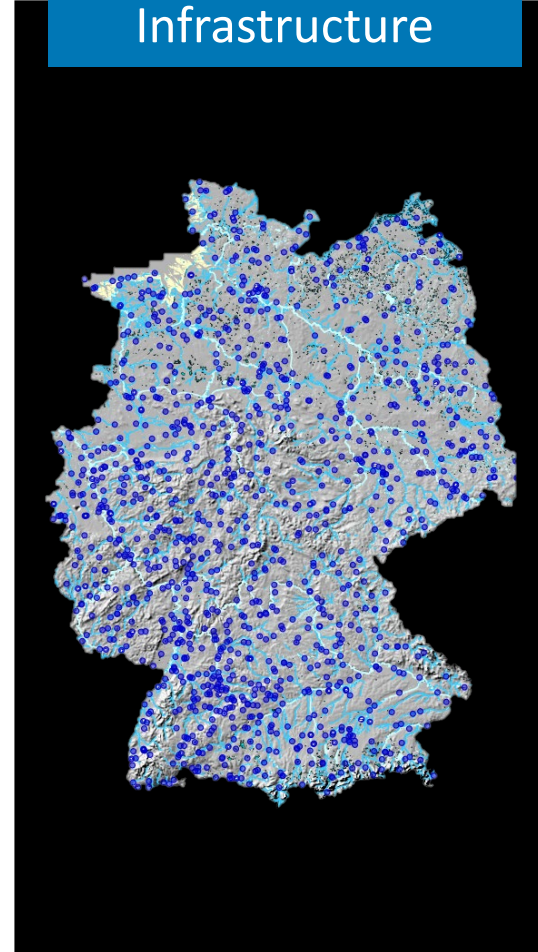
Remote sensing



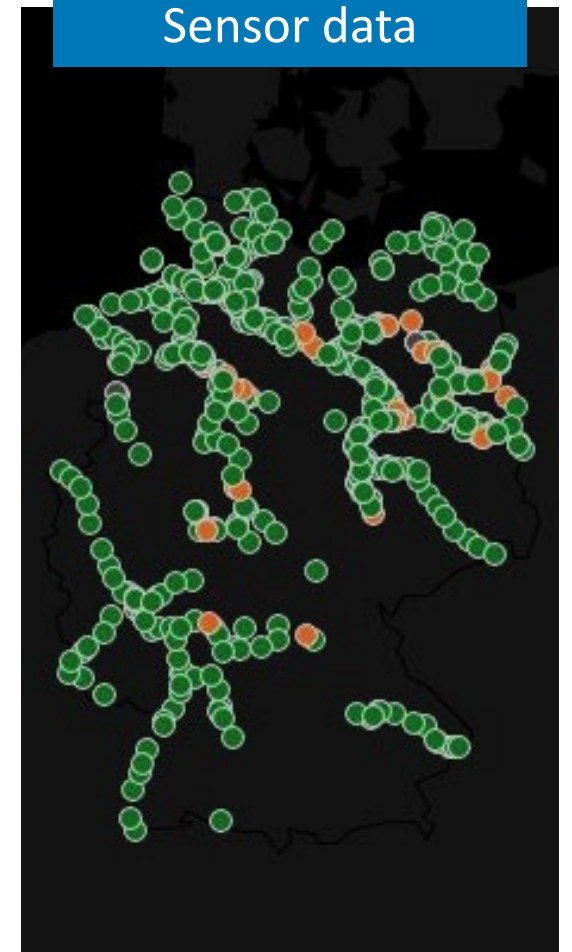
Statistics



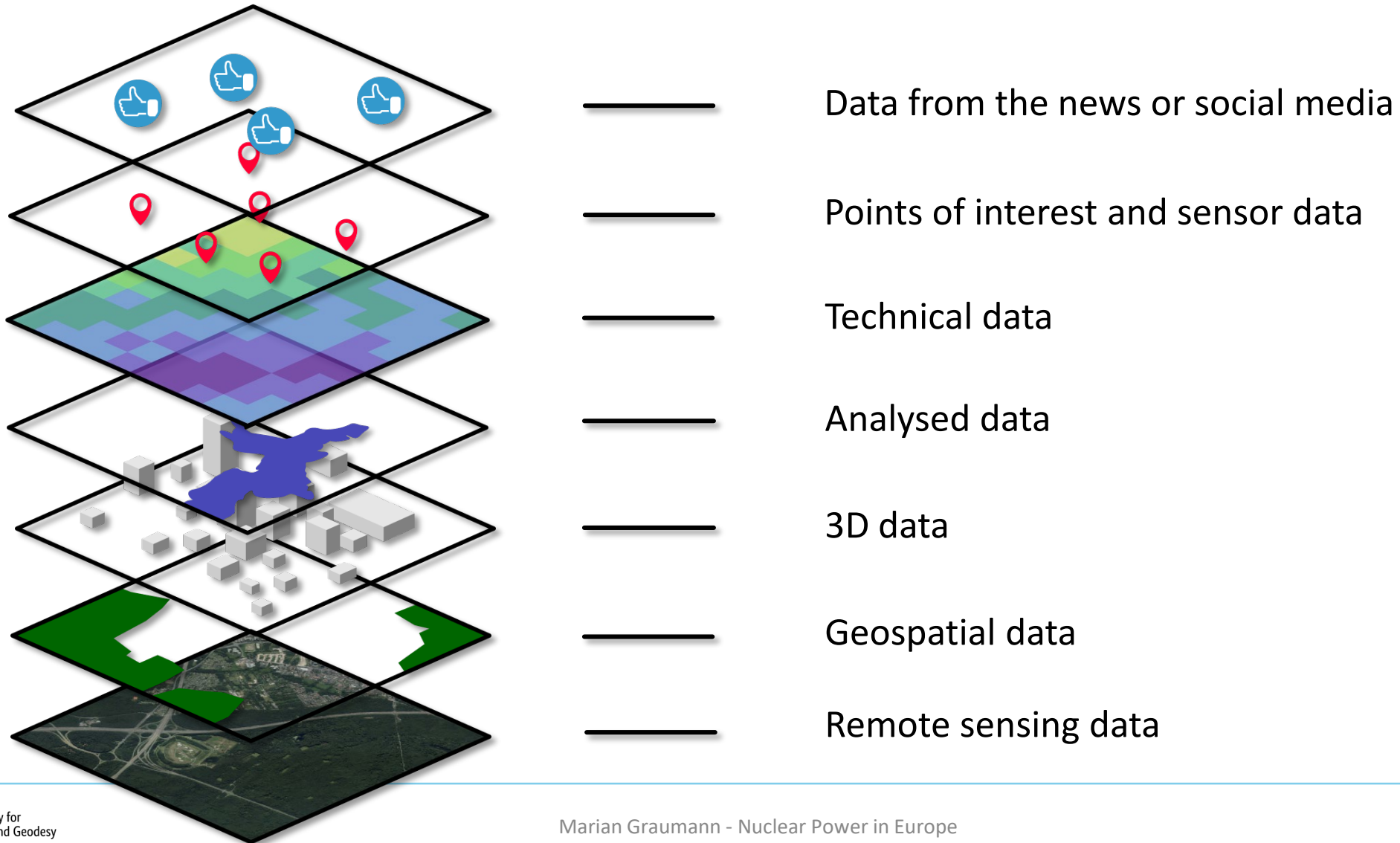
Infrastructure



Sensor data



Our philosophy of geo-intelligence is ...



Our remote sensing and geospatial services

- The services include:
 - **Rapid and responsive mapping system** for individual on-demand products for special requirements (e.g. natural hazards, security, humanitarian crises, ...)
 - **Standard products based on user requirements**
 - **Specialised thematic maps, web applications**
 - **Trainings and knowledge transfer** on the potential of remote sensing
 - **Consultation and user support** for individual solutions (incl. classified contents)

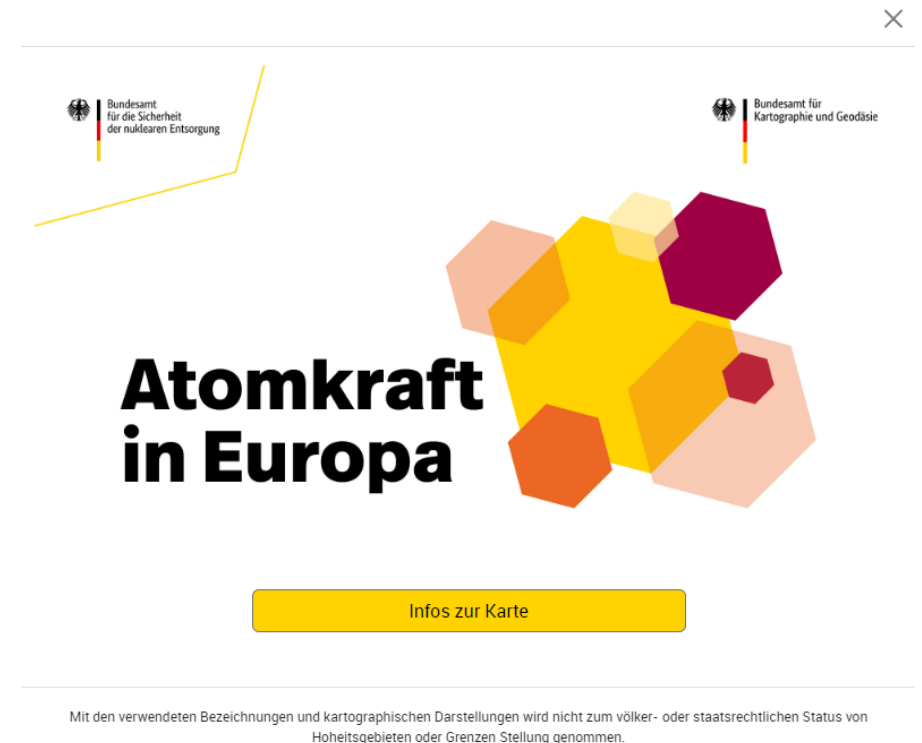


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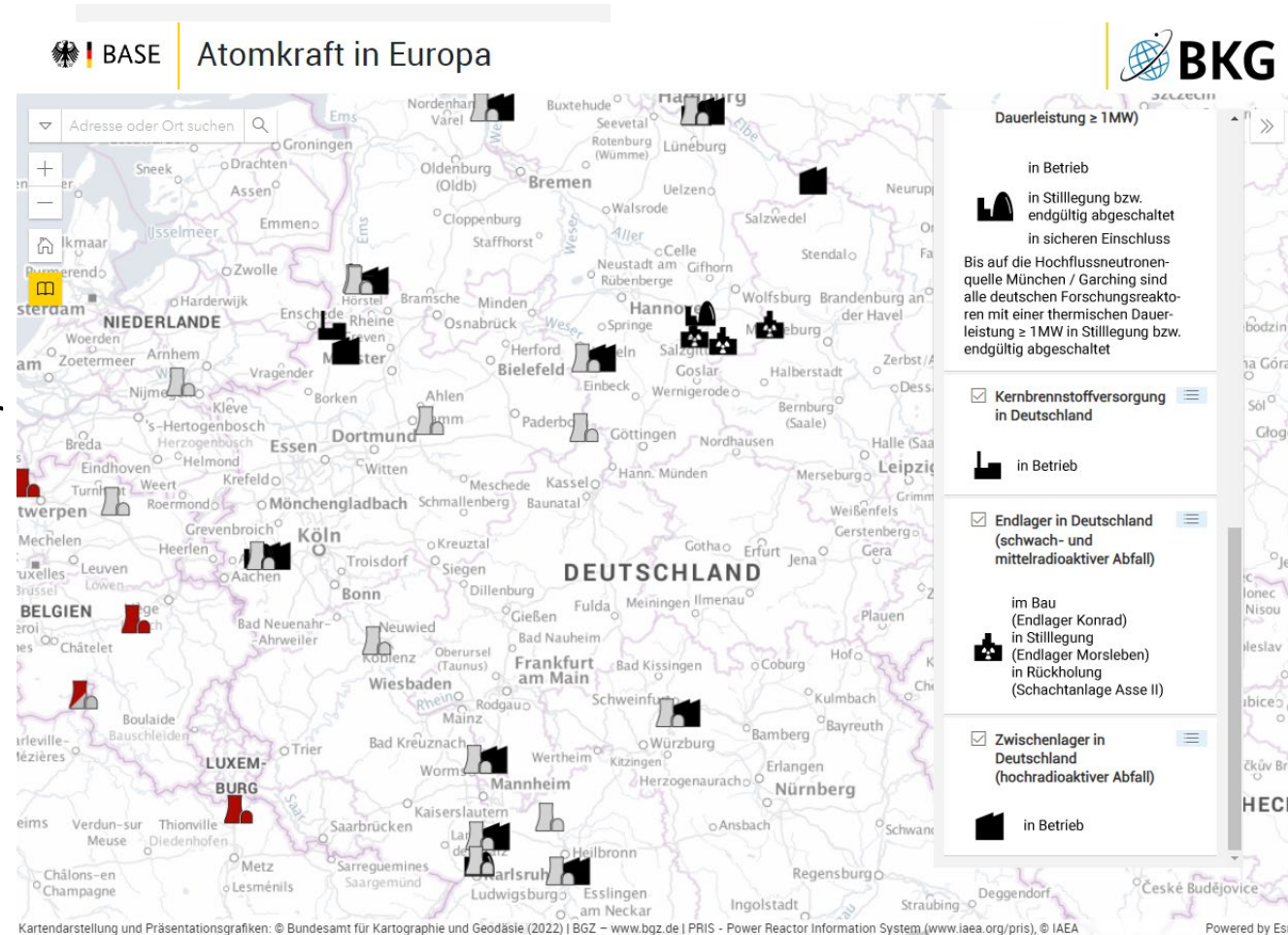
Initial situation

- Previous order for BASE
- Initial webmeeting concerning web maps and web applications
- SKD was officially commissioned by the editorial team
- Project kickoff with a rough timeline
- Several rounds of revisions and adjustments
- First prototype was completed



The application

- A web viewer optimized for desktop PCs
- Basic web GIS tools
- A legend for explaining the features and for activating individual layers
- Feature information for each object on the map
- More objects in Germany become visible after zooming in



Upcoming developments

- Continuous updating process
- Publication
- More Data
- Available worldwide





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Time for questions!



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