



Federal Agency for
Cartography and Geodesy

DISTATIS
Statistisches Bundesamt



The Global Statistical Geospatial Framework – A German Perspective

UN-GGIM: Europe – Side Event

Standards: Bringing geospatial information and statistics together

14.10.2021

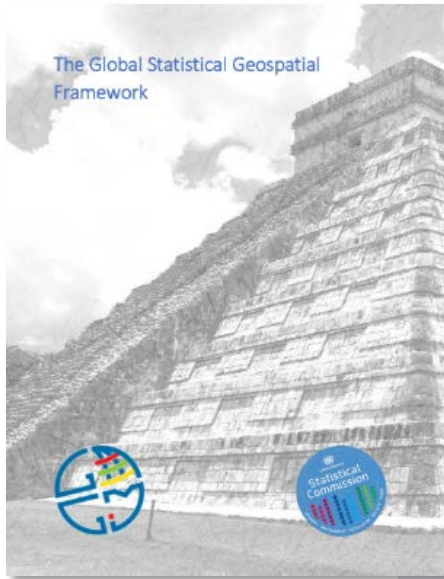
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Content

- The rationale – global level and European perspective
- What's in for us – a German perspective
- Situation analysis for Germany
- Development of a target situation for Germany
- Conclusions

The rationale – global level and European perspective



Global Statistical and Geospatial Framework (GSGF)

Including its five principles (adopted by UN-GGIM in 2019 and UNSC in 2020)

EUROPEAN FORUM FOR
GEOGRAPHY AND STATISTICS



eurostat 

GEOSTAT projects – funded by Eurostat

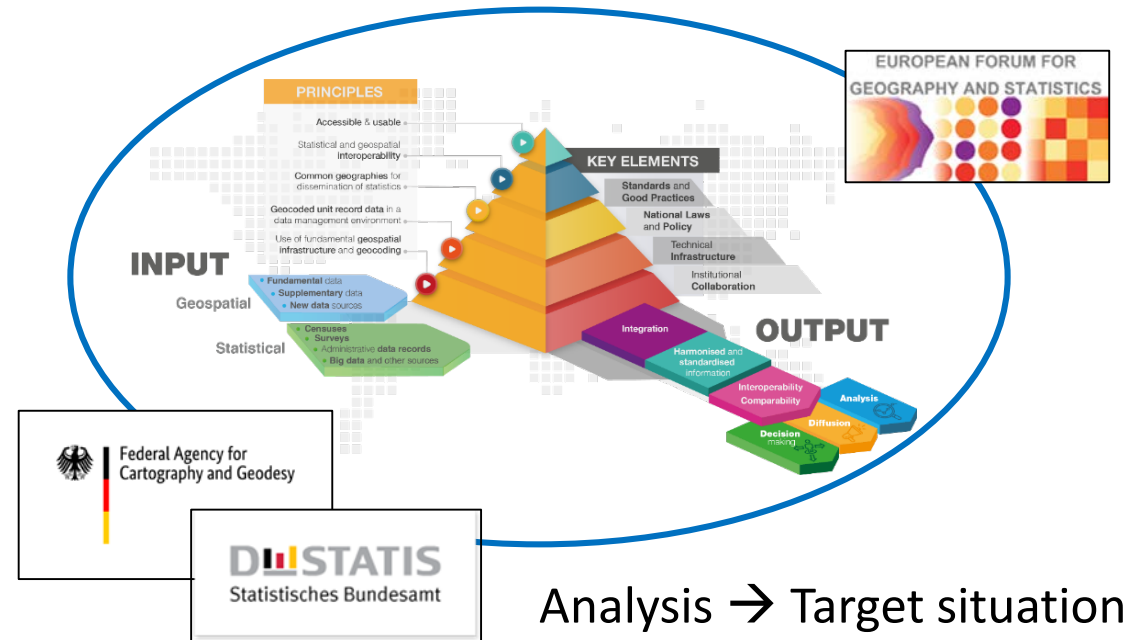
GEOSTAT 3: Implementation guide for the Global Statistical Geospatial Framework in Europe (2017-2018)

→ **GSGF Europe**

What's in for us – a German perspective

Main objective

→ A national implementation of the GSGF Europe to remove obstacles and tackle shortcomings.



What's in for us – a German perspective

General approach:

1. Situation analysis (“as is”) for Germany

- Evaluation and assessment of the recommendations of the GSGF Europe
- If applicable, addressing different categories like “organization”, “legislation”, “technology/standards”

2. Development of a target situation for Germany

- What should be kept? What needs to be improved? What needs to be changed?
- Recommended actions
- Priorities

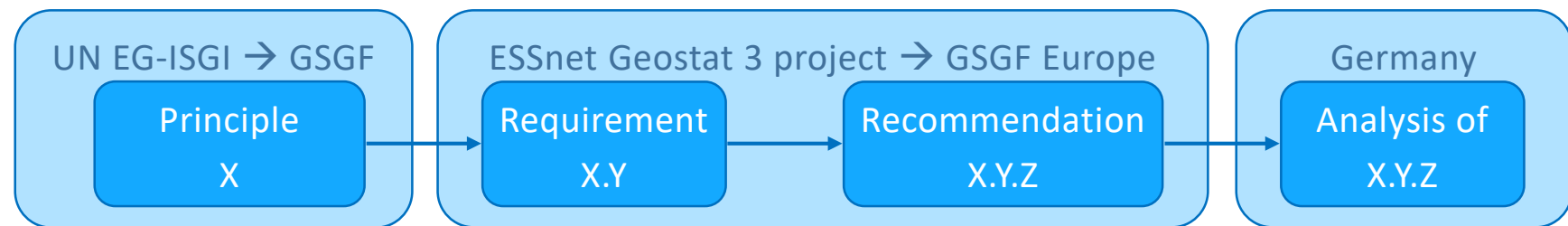
Situation analysis for Germany

Our understanding of the GSGF Europe:

- GSGF Europe states a number of requirements that are considered crucial to start implementing the framework in Europe (the “What”).
- Each of these requirements connects to a set of more detailed recommendations to achieve the requirements (the “How”).

Our analysis in practice:

- Translation of all requirements and recommendations into German in order to share and promote the GSGF Europe content better within BKG and Destatis.
- Evaluation and assessment of the recommendations considering the German organisational and technical infrastructure.



Situation analysis for Germany

- Tabular analysis,
- Addressing different categories like “organization”, “legislation”, “technology/standards”,
- Indication of the implementation status for each recommendation (need for action),
- Discussion within several physical and web meetings between Destatis and BKG from August 2019 to August 2020.

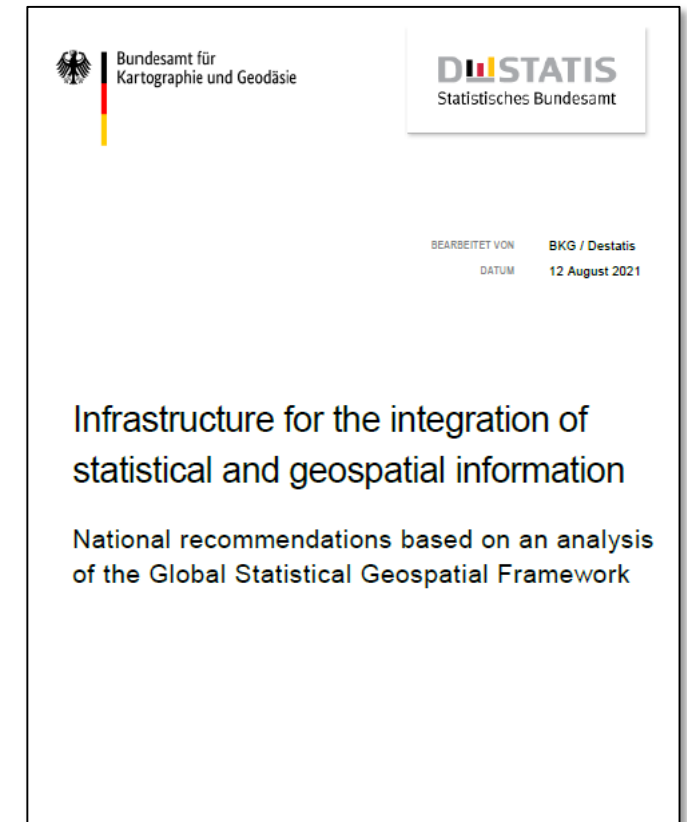
Principle 5:		
Anforderungen	Empfehlungen	Handlungsbedarf
Requirement 5.1 - Implement clear and simple data licensing policies	Empfehlung 5.1.2 - Geodaten sollten als offene Daten veröffentlicht werden. Die Lizenz für Geodaten, die durch die Kombination von statistischen und geodätischen Informationen erstellt wird, ist unter Berücksichtigung der jeweiligen offenen Datenlizenzen der kombinierten Quelldaten so wenig wie möglich einzuschränken.	Die Datenlizenzen der kombinierten Quelldaten bei Veröffentlichung statistischer Informationen und Geodaten, sollten so offen wie möglich formuliert werden. Es ist eine grundlegende Analyse bzgl. der Kombination von Lizenzen (auch Open-Data-Lizenzen) notwendig. Die Analyse, die von der GDI-DE demnächst erstellt wird, wird dies vermutlich nicht beantworten.
Requirement 5.1 - Implement clear and simple data licensing policies	Empfehlung 5.1.3 - Der Datenanbieter sollte die Aufnahme der Lizenzinformationen (Gebühren, Zugangsbeschränkungen usw.) in die INSPIRE-Metadaten für den angebotenen Geodatensatz und/oder Dienst fördern und	Die INSPIRE-Metadaten enthalten die Lizenzinformationen der Datenanbieter. Daher besteht kein Handlungsbedarf.
	Empfehlung 5.2.1 - Die Länder sollten die Nutzung von dienstorientierten Verbreitungsplattformen untersuchen, eine größere	Die verstärkte Nutzung dienstorientierter Verbreitungsplattformen

Development of a target situation for Germany

Report: *Infrastructure for the integration of statistical and geospatial information*

National recommendations based on an analysis of the GSGF

- Brief introduction to GSGF Europe and the analysis approach.
- Summarising the results of the analysis into 7 topics (thematic blocks), where actions are needed.
- Recommended actions are prioritised.
- The report is addressed to the management level of BKG and Destatis.
- Finalised 01/2021
- English translation available
- Next step: develop and operate measures (some already addressed by running projects)



Development of a target situation for Germany

7 thematic blocks with priority actions:

1) Licence policy and open data

- Uniformly regulating the provision of addresses under an open data licence for the country as a whole

2) Availability of fundamental geospatial data

- Regulating the federal administration's use of the central address register
- Harmonising the framework for the use of topographical data

3) Methodological questions concerning publication

- Prioritising methodological investigations within the network of statistical offices in order to identify appropriate confidentiality procedures

Development of a target situation for Germany

7 thematic blocks with priority actions:

4) Geocoding

- Implementing measures concerning the national address register
- Refining the geocoding tools

5) Service-oriented data provision

- Evaluating new standards and technologies for service-oriented data provision
- OGC API, Statistics as a Service, Linked Open Data, Table Joining Service, ...

6) Small-area reference infrastructure

- Gradually developing a grid cell database

7) International activities

Development of a target situation for Germany

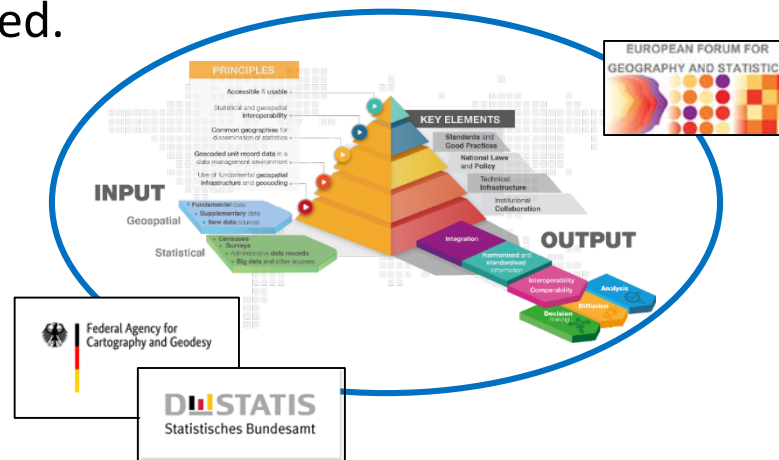
Challenges:

- Raise awareness on management level,
- Address the recommended actions to the right persons,
- Keep the regular contact between the persons in charge of specific actions (even when physical meetings are difficult to organise),
- Keep track of the rapid (disruptive) technological changes and new standards

Conclusions

The following conclusions, outcome and findings can be stated:

- It was worth to start the evaluation of the GSGF Europe in order to get a national perspective.
- The discussions between Destatis and BKG were fruitful.
- The assessment concluded with a readable report addressing and prioritising national actions.
- A better / common understanding of statistical and geospatial issues related to the data integration and provision is gained.





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Thank you for your kind attention!

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