



Federal Agency for
Cartography and Geodesy



BKG quality concept for geodata and geoservices

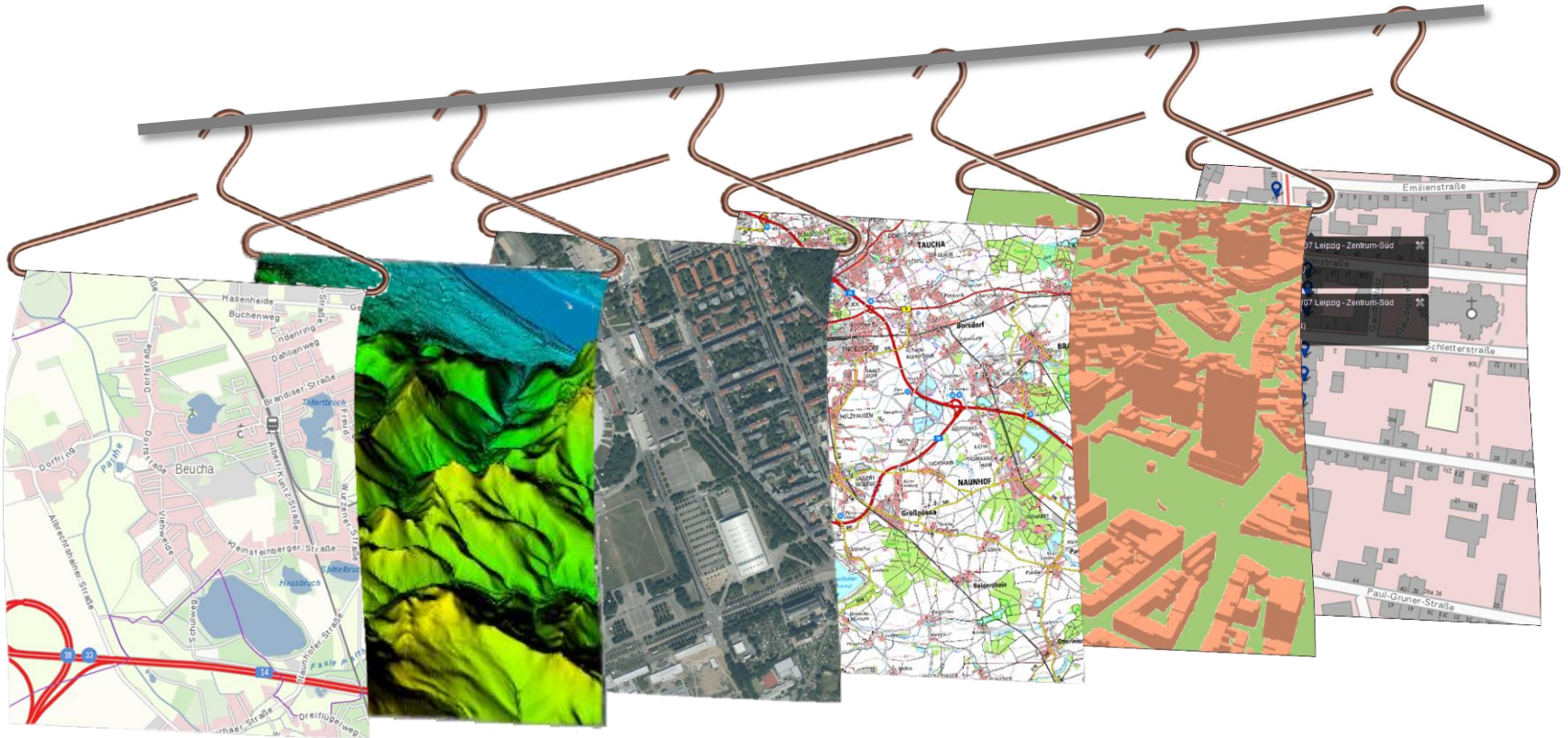
Eszter Kiss

Unit GDL 1 - National Coordination



QM working group at the BKG

Variety of products - variety of processes



QM working group at the BKG



QM working group at the BKG

Quality Management Working Group (2018-2019)

Homework:

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...

...

Basic principles of QM (overriding principles)



Skeleton of the concept – end of 2019



Action plan



Influence factors and different levels of the QM

- Superordinate - strategic level



- e.g. Geo Progress Report of the Federal Government

- Authority (operational) level

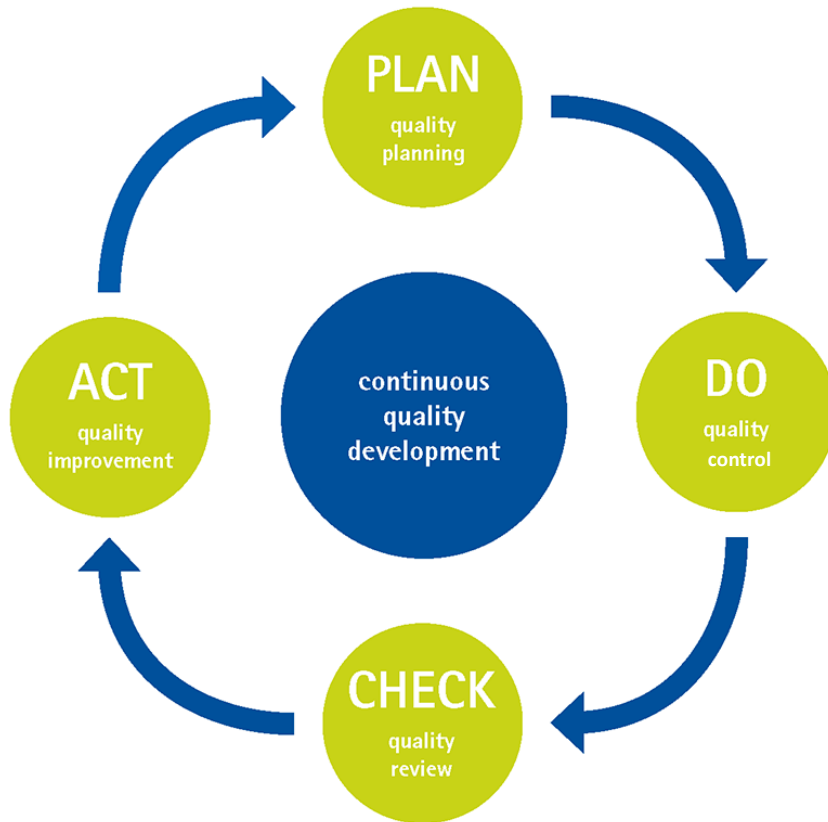


- quality manager

- product managers
- specifications

- quality control
- final check

The 19 basic principles of the quality concept



Quality management in general

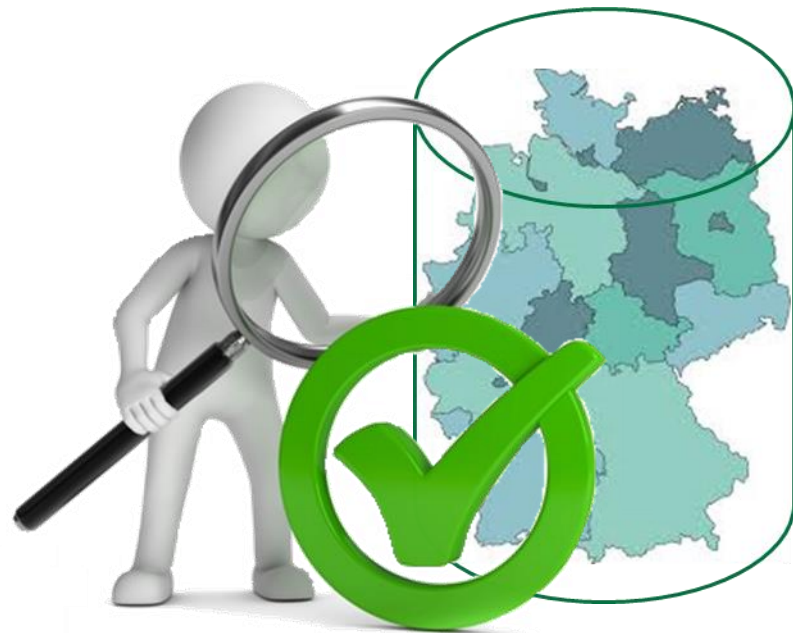
1. **QM** is a **cyclical process**.
2. The BKG's quality management is oriented towards **user needs**.
3. The BKG's quality management is based on relevant international **standards** (e.g. ISO and OGC standards) and the TR BGeoRG and is oriented to the SDI-Germany.

Organisational structure of QM, responsibilities

4. The **quality manager** monitors the quality management system.
5. **Product managers** are responsible for maintaining and improving the quality of their product for the **entire life cycle**.
6. A **central inspection unit independent** of production is responsible for the quality control of the geodata products.

The 19 basic principles of the quality concept.

Quality Control



7. For product managers, the **editing and analysis rights for demand reports** are secured.
8. The **quality targets** are defined in the smallest possible units for each product group or product-specific, they result in the target status, are consistent in all reference documents, are updated annually and compared with the TR BGeoRG.
9. The quality targets are **transparent and measurable** using suitable test scenarios.
10. The test methods and tools are selected on a **product-oriented** basis.
11. **Quality control** is carried out separately from the production process and documents the quality of the geodata products on the basis of test results.

The 19 basic principles of the quality concept.

Documentation

12. At BKG, **all work steps of the product creation** are documented.
13. The **results of the quality control** and **final check** are documented for each product and the documents are stored permanently.
14. The quality information is documented in **machine- and human-readable form**.
15. Documents of BKG products are stored in a **central location**, free access is ensured.
16. The central reference document of QM is the cross-product **quality manual (handbook)**.
17. The **reference documents** are **published online** and made freely available to users.
18. The **in-house documents** are immediately updated and versioned in case of changes.
19. The **public documents** are updated at least annually.





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Thank you for your kind attention!

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

Eszter Kiss
eszter.kiss@bkg.bund.de
www.bkg.bund.de
Phone +49 69 6333 - 321