

Quality KEN Creating Data Quality Models



What is a Data Quality Model?

“A framework for defining, evaluating, documenting, and presenting the quality of spatial data sets and geoservices according to their specifications.”

Why do you need a Data Quality Model?

A good DQM will ensure that the Users' needs are met in a timely and efficient manner.

User needs are always changing, and a good model will be adaptable and be able to quickly respond to changes.

Implemented properly a DQM will deliver:

- A common understanding of the data across the organization
- Improved efficiency
- Lower costs
- Insight and confidence in the data
- The ability to manage and monitor data quality

What is in a Data Quality Model?

- Use cases
- Data requirements / specifications
- Evaluation methods
- Reporting
- Maintenance
- Metadata

How to implement a Data Quality Model

- People
- Quality concept
- Identify the Use cases
- Develop Data Requirements
- Define Evaluation methods
- Decide on Reporting mechanisms
- Identify what metadata to report
- Identify and implement a regime for maintaining quality
 - People
 - Process
 - Technology

Risks to a successful implementation

- Failure to get management support
- Failure to understand the use cases
- Losing sight of the user
- Testing
- Unclear documentation, processes, training

European twinning project Belarus

Spain and the Netherlands

Strengthening the capacity for geospatial data management and interoperability of the NCA.

Experts work with Belarus

- Mission on metadata portal (finished)
- Data models (finished)
- Spatial Data Quality
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*Strengthening the capacity for geospatial data management and interoperability of the NCA
BY 18 ENI OT 01 18*

Project is funded by the European Union



European twinning project Belarus

Central database and local offices with local databases

Working on digitising processes

They already do a lot of checks and validation

They are enthusiastic and want to learn and want to do

They have many goals for the coming year

Focus on spatial data

Real Estate Register

Address Register

**Register of
administrative
territorial units**



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