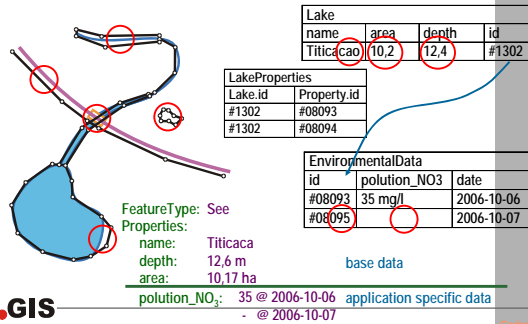
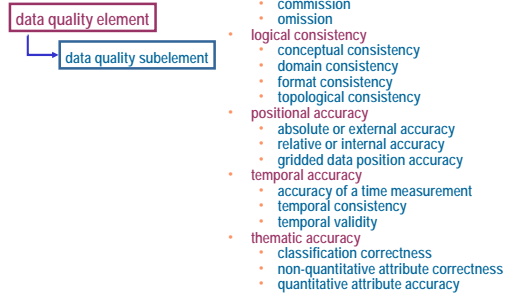


Classification of error types → data quality elements



ISO 19113 Quality principles



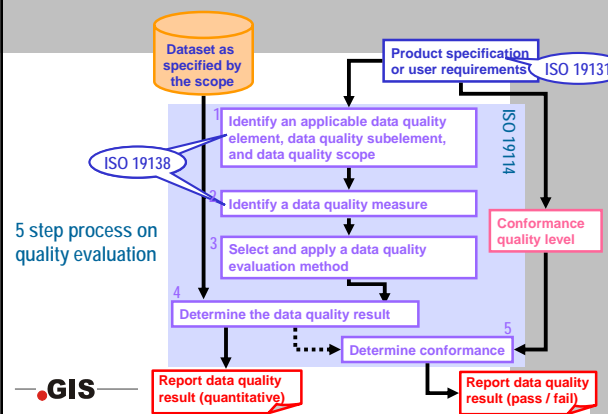
ISO 19138 Data quality measures

- Defines the structure for building data quality measures
- Provides data quality base measures to be used for constructing data quality measures
 - Counting related (e.g. percentage of missing features)
 - Uncertainty related (e.g. CEP 95)
- Gives a list of 75 standardized data quality measures

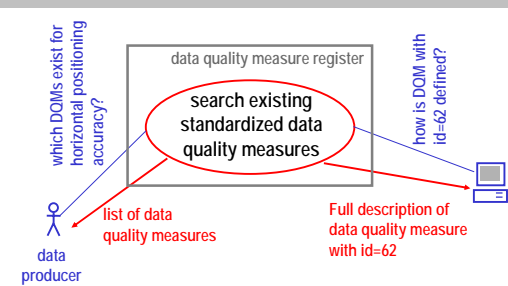
ISO 19138 Data quality measures

Line	Component	Description
1	Name	number of incorrectly classified features
2	Alias	-
3	Data quality element	thematic accuracy
4	Data quality subelement	classification correctness
5	Data quality basic measure	Error count
6	Definition	number of incorrectly classified features
7	Description	-
8	Parameter	-
9	Data quality value type	Integer
10	Data quality value structure	-
11	Source reference	-
12	Example	-
13	Identifier	62

Evaluating and Reporting Quality Evaluation Results [ISO 19114]



Use case: register for data quality measures



Advantages of a register for data quality measures

- Avoid unnecessary duplication of descriptions for data quality measures
 - Reduces the amount of quality related metadata
- Helps the user to identify standardized data quality measures
- Online interface for users and systems

Summary

- Information on the quality of geospatial data is important for their usage
- Standardized quality description makes quality results comparable
- ISO/TC 211 provides a suite of standards related to quality of geospatial data
- Despite of a printed standard an online register for data quality measures is desirable

Thank you for listening!

Questions?

