Data Quality Standards Workshop 2 - International Standards Seminar I Commission: Standards Network BG General Assembly in Munich Monday October 9, 2006 14:00-15:30 Room 21a

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Importance of Quality Gain confidence in geodata Reduce users' complaints Get customer's satisfaction Minimize consecutive costs caused by decisions or actions based on erroneous data

Why standards for data quality? Data quality has to be described in an objective, application idependent way. Data quality information of different datasets has to be comparable. Data quality information is part of metadata Data quality information is part of metadata Data quality information has to be considered for analyses on the data (e.g. uncertainty and error propagation). Implementations need certain parameters for the algorithms

Ouality related standards in ISO/TC 211











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





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

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