



International Workshop on Spatial Data and Map Quality

Malta 20-21st Jan 2015



Programme Committee

- Carol Agius (Chair EuroGeographics – Quality KEN)
- Antti Jakobsson (National Land Survey of Finland)
- Lysandros Tsoulos (National Technical University of Athens, Greece)
- Olaf Ostensen (Chair of the ISO/TC 211)
- Joep Crompvoets (Katholieke Universiteit Leuven, Belgium)
- Bart De Lathouwer (OGC)
- Jonathan Holmes (Ordnance Survey, Great Britain)
- Anja Hopfstock (Bundesamt für Kartographie und Geodäsie Germany)
- Dorus Kruse (Kadaster Netherlands)
- Joan Masó (Creaf, Spain)
- Rodolphe Devillers (Memorial University of Newfoundland, Canada)

Workshop topics

- Quality evaluation of spatial data and maps
- Quality certification and accreditation of spatial data
- Use of ISO metadata and quality standards
- Quality issues in spatial data infrastructures (e.g. national, INSPIRE)
- Communication/visualization of spatial data and map quality
- Spatial data usability
- Impact of data quality on decision making + Policy making + Service delivery
- Impact of data quality on maps/charts
- Quality assessment of maps/charts
- Spatial data quality assessment
- Spatial data quality vs scales
- Applications of spatial data quality
- Business models for managing spatial data quality
- Governance aspects of spatial data management
- Legal aspects (Liability, security, privacy, licensing)

actuality agencies analysis assessment automatic buildings business
communication completeness complexity content control cots curriculum
data detection elf error estimation european finder
framework generalisation generalization geo geodata geographic gis
governance hierarchy indicators information infrastructure
inspire international iso large-scale lean liability licensing location
management map maximise metadata
methodology mobility model national nmcas open openstreetmap party
pattern positional practices probability procedure process product programs
proposal **quality** reference regression reporting representation
representativeness results rules sampling services software
spatial spatila standards survey system testing theme
tools tqm training usability validation value volunteered web

Why this workshop?

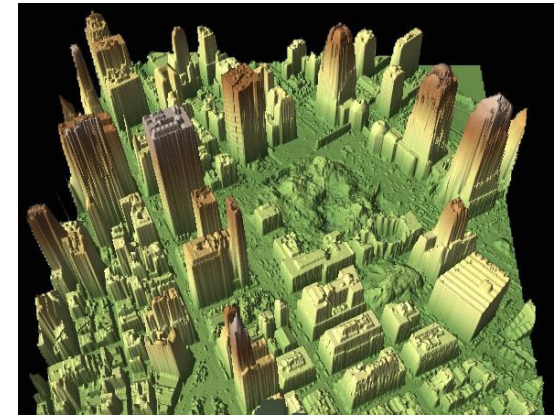
- Lots and lots of spatial data available
- International standards on geographic information are now available (ISO 19157, ISO 19158)
- Quality information is not available; it is not included in metadata, users do not know if data is up-to-date and how complete it is, are there errors
- Different interpretations on quality by data providers and users
- Quality evaluation is costly, not implemented, or implementation varies
- Map quality is not considered very often -> especially in web services

**Spatial
Data**



Complex

**Updating
processes
costly and
slow**



**Usage still
mostly as
backdrop/
Human
interpretation**

WebGIS

Programme outline

Tuesday 20 Jan

09:00-10:30 **Session 1: Quality in Spatial Data; Changing Expectations**

Chair: [Antti Jakobsson](#)

10:30-11:15 Coffee Break

10:30-11:15 **Session 2: Poster Session**

Chair: [Lysandros Tsoulos](#)

11:15-12:30 **Session 3: Working with multiple data providers: The ELF approach**

Chair: [Carol Agius](#)

12:30-14:00 Lunch Break

14:00-15:00 **Session 4: Tools for Automation of Quality Evaluation**

Chair: [Dorus Kruse](#)

15:00-15:30 Coffee Break

15:30-17:00 **Session 5: User communities**

Chair: Bart

Wednesday 21st

09:00-10:30 **Session 6: Political and Socioeconomic Views on Quality**

Chair: [Rodolphe Devillers](#)

10:30-11:15 Coffee Break

10:30-11:15 **Session 7: Poster Session**

11:15-12:30 **Session 8: Map and Cartographic Quality**

Chair: [Anja Hopfstock](#)

12:30-14:00 Lunch Break

14:00-15:00 **Session 9: Processing Quality Results**

Chair: [Jonathan Holmes](#)

15:00-15:30 Coffee Break

15:30-16:40 **Session 10: Methods in Quality Evaluation**

Chair: [Lysandros Tsoulos](#)

The background of the slide is a photograph of a clear blue sky with several fluffy white clouds. The clouds are scattered across the frame, with a larger, more prominent one in the lower-left quadrant and another in the lower-right. The sky is a vibrant, consistent blue.

Challenge

What actions would improve spatial data and map quality?

Tweet #SDMQ2015