



CEN/TC 287 GEOGRAPHIC INFORMATION

SPATIAL DATA INFRASTRUCTURE LAND COVER METADATA ONTOLOGY

European Standards

Martin Ford

Director GiStandards Ltd

Secretary CEN/TC 287 Geographic information

www.gistandards.eu SKYPE: [gistandards martin@gistandards.eu](https://www.skype.com/join/martin@gistandards.eu)





INSPIRE

- Dependent on geospatial standards**
- Including OGC, ISO/TC 211 and CEN/TC 287**
- Prevents “re-inventing the wheel”**
- DG JRC, OGC, ISO/TC 211 and CEN/TC 287 strong relationship**



Standards Development Organizations

OGC, ISO/TC 211 and CEN/TC 287

- OGC double branding such as GML and O&M go through ISO
- ISO and OGC harmonize their standards
- OGC standards are market tested before going to ISO



Adoptions of standards

- CEN/TC 287 adopt ISO standards as CEN standards
- CEN standards are mandatory in Europe
- CEN and DG JRC work closely together for INSPIRE
- Referencing non ISO or CEN standards in Europe is difficult
- Confusion over the naming and versioning of standards



Naming confusion

- OGC standard on GML - EN ISO 19136:2007 (version??)
- OGC standard on O&M – ISO 19156:2011 (not EN yet!)
- ISO standard on Metadata – EN ISO 19115:2005/AC:2008
- Full listings can be seen at www.gistandards.eu/about



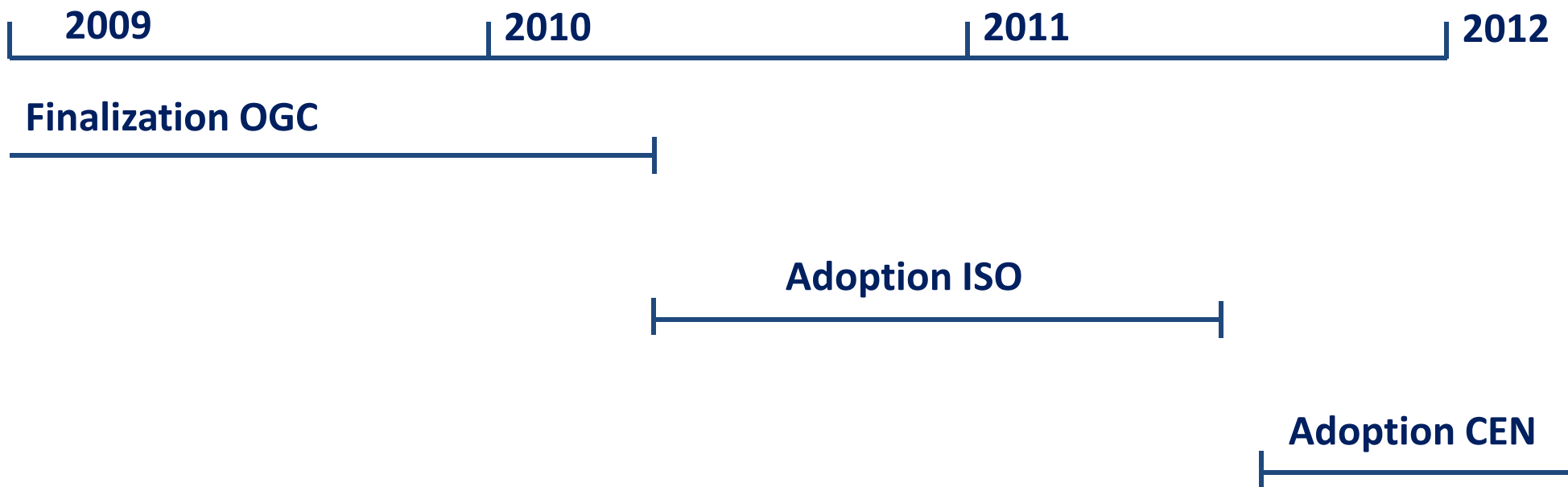
Standards time delay

- Time delay for OGC standards to be adopted by CEN
- ISO comments on OGC standards before publishing
- Mandatory fields in OGC may become optional fields in ISO
- CEN adopted standards will then also have the optional fields



Standards time delay

Example: Observations & Measurements – ISO 19156:2011





Standards time delay

- This may lead to interoperability problems with INSPIRE
- Metadata profiles in Europe not always working together
- CEN is working with OGC to see how this can be rectified
- Nearly 50% of OGC's members are based in Europe



Outreach

- Education programme for CEN/TC 287 starting**
- CEN/TC 287 Education Award for Excellence in INSPIRE**
- Liaisons with European projects; CEN/TC 287 needs you!**
- Liaisons with mandated organizations such as AGILE**



Technical Report

- Multi-part technical report updated frequently**

- Part one: Reference model**

- Part two: Best practice**

- Part three: Data centric view**

- Part four: Service centric view (proposal)**



Interoperability

- New online change request system from OGC ISO and CEN
- Interoperability? Getting there but still some way to go!
- Help us achieve by joining as a liaison or through your NSB*
- Our work programme and more on www.gistandards.eu

* National Standards Body – BSI, NEN, AFNOR, DIN etc



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