



OGC Land Administration Domain Working Group

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Functions of a Domain Working Group



- Provide a forum for discussion
- Develop Change Requests Proposals (CRPs) for existing OGC Standards.
- Develop reports and recommendations with the intent seeking approval by the OGC Technical Committee for release of these documents as OGC White Papers, Discussion Papers or Best Practices Papers.
- Prepare and deliver informational presentations and discussions about the market use of adopted OGC Standards.

OGC Standards Consensus Program

Active Domain Working Groups in the OGC

<http://www.opengeospatial.org/projects/groups/wg>

- Hydrology
- Meteorology
- Oceanography
- Aviation
- Energy and Utilities
- Emergency & Disaster Management
- Defense & Intelligence
- Earth Systems Science
- Security
- Data Quality
- Big Data
- 3D Information Mgt
- Mass Market
- Public Safety & Law Enforcement
- Geosemantics
- Health
- Agriculture
- Urban Planning
- Land & Infrastructure
- Mobile Location Services
- Point Cloud
- Others



Mountain View CA, USA
December 2009



Bonn, Germany, March 2011

Land Administration Charter



- Purpose / Scope:
 - Examine existing systems of land administration;
 - Develop best practices regarding standards-based implementations;
 - Identify potential interoperability experiments, pilots and testbeds to validate interoperable solutions
- Emphasis on close coordination with partners in Land Administration
 - SDOs (ISO, OASIS, W3C etc.)
 - Associations (RICS, FIG, etc.)
- Open to OGC members and non-members

Charter Members



- Adv Germany
- ATOS
- ESRI
- ESRI Canada
- FM Global
- INEGI
- Intergraph
- Leica Geosystems
- Metaspatial
- Oracle
- Thomson Reuters
- Trimble
- United Nations/ World Bank Group

Activities



- Examine the current land administration system landscape, with particular emphasis on the nations with significant land administration interoperability challenges;
- Identify best practices in open standards, including those of the OGC, ISO and others, in addressing key data integration, management and sharing challenges;
- Develop outreach materials to help the technology and user community in land administration understand and align on the use of open geospatial standards for land administration;
- Develop an analytical framework to identify issues related to land administration;
- Reference and catalog existing Land Administration vocabularies;
 - A known starting point is the Cadastre and Land Administration Thesaurus (CaLAThe);

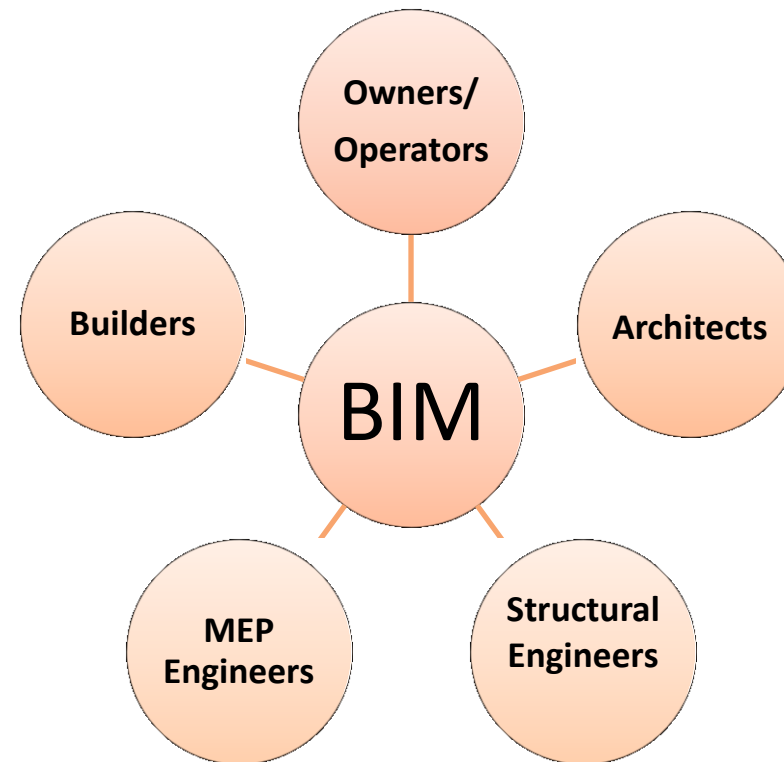
Activities (cont'd)



- Provide input to ongoing OGC standards work and/or recommend creation of OGC Standards Working Groups, as necessary, to address the gaps in the OGC standards baseline;
 - there is already identified requirements to coordinate with the OGC LandInfra DWG and SWG;
- Communicate issues with non-OGC standards to the SDOs charged with maintenance of those standards; and
- Identify and recommend OGC interoperability initiatives – pilots and / or experiments – to unite the technology and user communities in the testing, demonstration and validation of standards best practices and operational prototypes that:
 - Inform organizations regarding how to request / mandate open standards in acquisitions;
 - Provide evidence of the value of open standards based approaches; and
 - Encourage industry-wide scaling of land administration capability.

Building Information Modelling

Rich and shared knowledge resource for managing building information in three physical dimensions and enables multi-disciplinary collaboration among different stakeholders involved in the development process of high-rise buildings.



Source: Eastman et. al. (2011)

Land Administration Domain Model (LADM) standardization process

1. Start of LADM (2002 – 2006)
 - from Washington D.C. to Munich
2. Start of Standardization (2006 - 2008)
 - preliminary talks within ISO/TC211
 - the players: FIG, ISO (TC211), CEN (TC287), JRC, UN-HABITAT
 - first proposal & voting
3. Actual standardization (2008 – 2012)
 - NP, WD, CD, DIS, FDIS, IS...

Key Liaison & Alliance Partners



- ISO TC211
- FIG
- BuildingSmart International
- UNGGIM Land Administration Working Group?
 - Next steps
 - Discussion

Please keep in touch!

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Open Geospatial Consortium (OGC)



<http://www.youtube.com/user/ogcvideo>