

# Land Administration

Denise McKenzie

Executive Director  
Open Geospatial Consortium



UN-GGIM

United Nations Initiative on  
Global Geospatial Information Management

*Positioning geospatial information to address global challenges*

[ggim.un.org](http://ggim.un.org)



- International not-for-profit standards consortium of around 500 members – govt, commercial, academia
- 2000+ implementations of standards and specifications, some certified to be compliant
- Focus
  - to define, document and test implementation standards for use with geospatial content and services
  - integration of geospatial content and services into applications for the benefit of mankind

[www.opengeospatial.org](http://www.opengeospatial.org)



UN-GGIM

United Nations Initiative on  
Global Geospatial Information Management

*Positioning geospatial information to address global challenges*

[ggim.un.org](http://ggim.un.org)

# The standards landscape



## Domain related geospatial standards

Many, like IHO, DGIWG, WMO, ICAO, but also OGC and ISO/TC 211

## Generic geospatial standards

ISO/TC 211, OGC, but also others ...

## Basic ICT standards and other cross-discipline standards

W3C, OASIS, IETF, IEEE, ISO/IEC JTC1, OMG, etc.



UN-GGIM

United Nations Initiative on  
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

# Land Administration Domain Working Group



- 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, IHO etc.)
  - Associations (RICS, FIG, BuildingSmart, etc.)
- Open to OGC members and non-members



UN-GGIM

United Nations Initiative on  
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

# Review of the Land Administration Domain Model (LADM)



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)
  1. NP, WD, CD, DIS, FDIS, IS...
4. 2017 – time to update



UN-GGIM

United Nations Initiative on  
Global Geospatial Information Management

*Positioning geospatial information to address global challenges*

[ggim.un.org](http://ggim.un.org)



## UN-GGIM

UNITED NATIONS INITIATIVE ON  
GLOBAL GEOSPATIAL  
INFORMATION MANAGEMENT

### Thank you



UN-GGIM

United Nations Initiative on  
Global Geospatial Information Management

*Positioning geospatial information to address global challenges*

[ggim.un.org](http://ggim.un.org)