

Implementation and adoption of standards for the global geospatial information community Item 9

Christina Wasström

ISO/TC 211 Chair
Lantmäteriet

8th Meeting of the
Committee of Experts, New
York

Positioning geospatial information to address global challenges



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

ggim.un.org

Working together



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

2018 UN-GGIM Geospatial Standards Survey

- Decision 7/113 (d) of the 7th Session of UNGGIM 2017

“The Committee of Experts on Global Geospatial Information Management welcomed the proposed survey on considering a review and update of the standards guide and companion documents, and urged Member States to contribute and to provide feedback on their use of the standards guide and implementing standards within their national frameworks; “



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

Positioning geospatial information to address global challenges

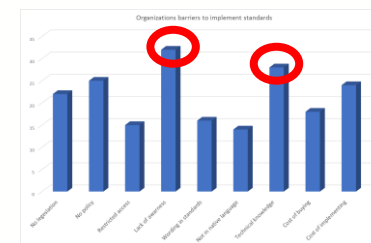
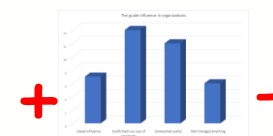
ggim.un.org

Result from the survey

- Response from all regions
- Were you aware of the two guides?
- To what level did the guides influence your organization's decision regarding the use of standards?
- What kind of barriers are there to implement geospatial standards?



60%



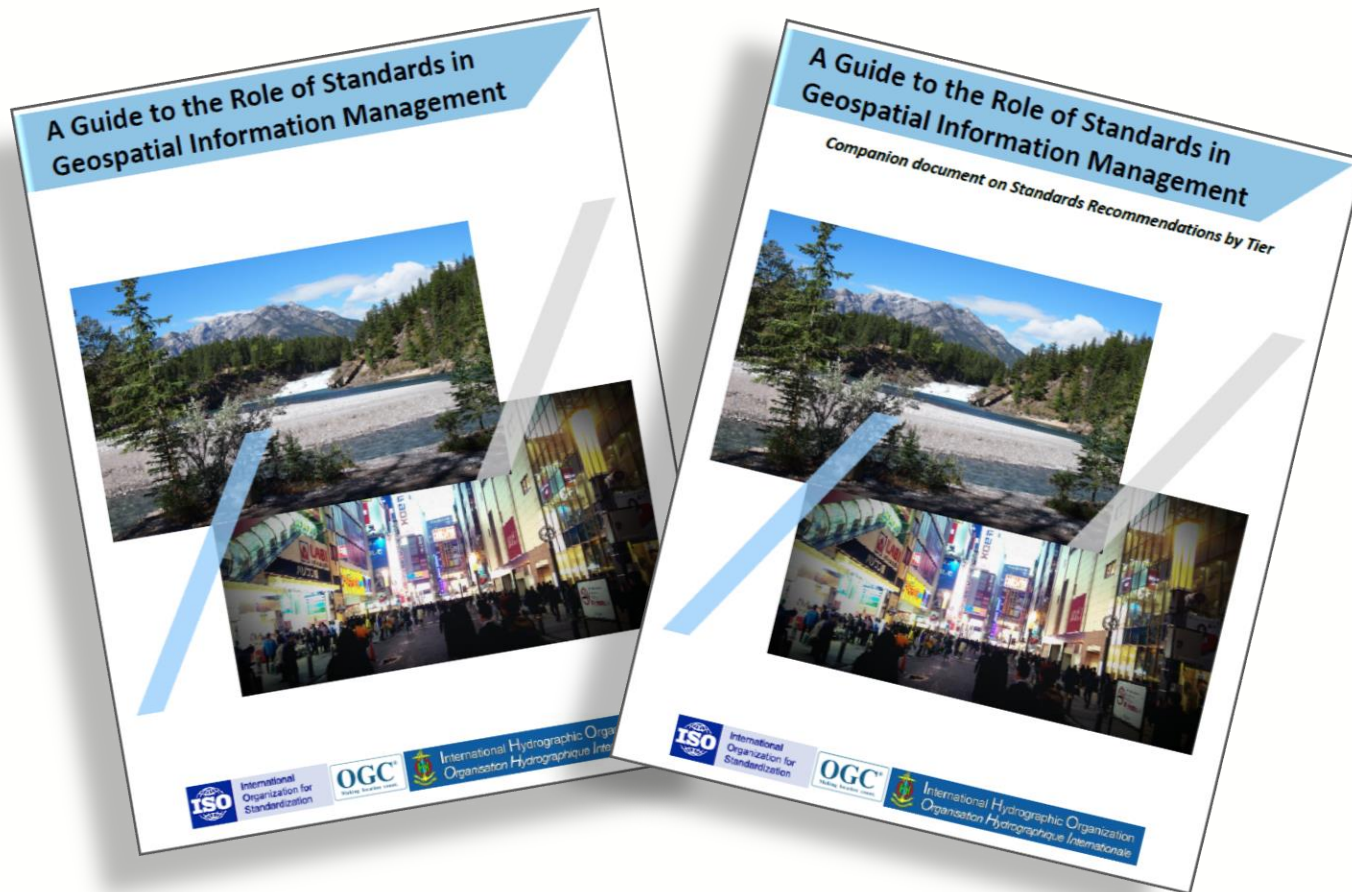
UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

The Guidance are now updated!



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

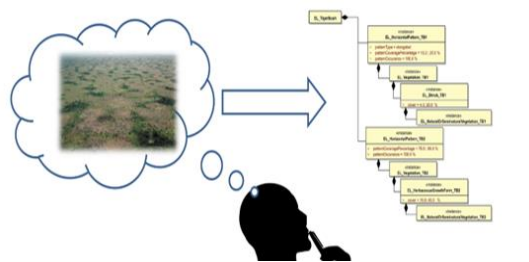
Positioning geospatial information to address global challenges

ggim.un.org

ISO/TC 211 Highlights



Participated in the workshop on Integrating Geospatial and Statistical Standards in Sweden, 6-8 November, 2017



A new project on land cover/land use classification has been established, including how to align schemes used by UN FAO and EAGLE



**UNITED NATIONS
WORLD GEOSPATIAL
INFORMATION CONGRESS**

Deqing, Zhejiang Province, China
19-21 November 2018



The 7th Land Administration Domain Model Workshop

Welcome to the homepage of the LADM 2018 workshop, Zagreb, Croatia, 11-13 April 2018
in conjunction with [Sixth Croatian Congress on Cadastre \(VI.HKK\)](#), to be held at [Hotel Antunovic](#).

Welcome to the 7th LADM Workshop! The first Edition of LADM was published by ISO in 2012 (as IS 19152:2012).

Continued interest for the Land administration model, a new project has now been established

Next ISO/TC 211 meeting will be held in Wuhan, China, the week before the UN Congress in China in November 2018



UN-GGIM

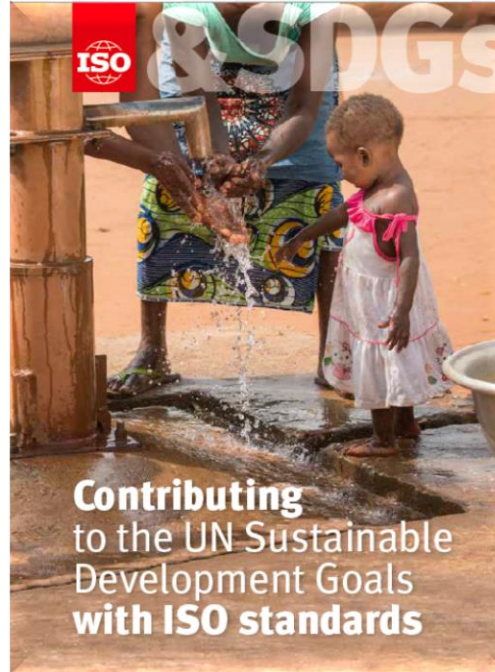
United Nations Initiative on
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

ISO Highlights

ISO meet UN on September 26 in Geneva on the topic 'Standards for the SDGs'



A mapping tool to map ISO standards to the SDGs

A new ISO brochure on how ISO standards contribute directly to the UN Sustainable Development Goals (SDGs)



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

IHO Standards - Highlights

The regular provision and maintenance of interoperable maritime data product specifications based on IHO's S-100 Universal Hydrographic Model has started successfully.

The first data products have been formally adopted by IHO's Hydrographic Standards and Services Committee in 2018:

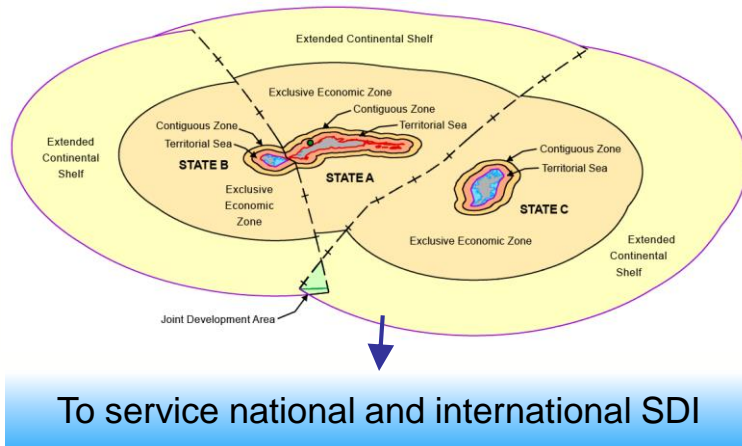
- Bathymetric Surface (S-102)
- Water level information for surface navigation (S-104)
- Surface Currents (S-111)
- Maritime Limits and Boundaries (S-121)
- Marine Protected Areas (S-122)
- Marine Radio Services (S-123)



The new IHO Standard S-121 absorbs all relevant geospatial and legal information in an exhaustive and consistent manner enabling the Member States to fulfill their formal deposit obligations for maritime limits and boundaries according to UN Convention of the Law of the Seas.



Interoperable data model



Use cases

Legal Declaration

Authoritative Public Data

Navigation and Enforcement



Application

An OGC S-121 Pilot Project aims operationalize the S-121 framework and datasets into real world applications using Commercial Off-The-Shelf software.



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

OGC Highlights – Statistical Domain Working Group

- 1st Meeting scheduled for Sept in Stuttgart, Germany
- We welcome all member nations to become involved in the work of this new group

Purpose

The Statistical DWG is chartered to identify requirements and use cases of how geospatial and statistical standards can support the integration of geospatial information into the statistical system and for the purposes of broad discovery, analysis and use.



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

OGC Highlights – ArcticSDI



<http://www.opengeospatial.org/pub/ArcticSDP/index.html>



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

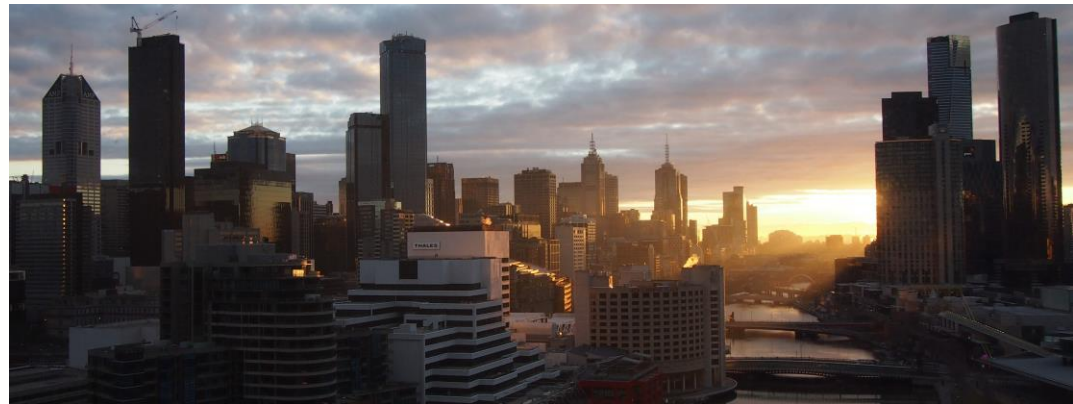
Positioning geospatial information to address global challenges

ggim.un.org

OGC Highlights – Urban Environment

- Smart Cities Interoperability Reference Architecture (SCIRA)
- Underground Standards Pilot (MUDDI)
- Smart Cities Domain Working Group work on use cases identifying standards and their connection to SDGs

Location Powers:
Urban Environment Summit –
25 & 26 Sept in Singapore
joint with the Integrated
Digital Built Environment



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org

What can you do?

- The standards are here, use them!
- Share the standards guides!
- Share your use cases!
- Work with us to develop standards!



You are the domain experts!



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

Positioning geospatial information to address global challenges

ggim.un.org



UN-GGIM

UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

Thank you!

Positioning geospatial information to address global challenges



UN-GGIM

United Nations Initiative on
Global Geospatial Information Management

ggim.un.org