

Fundamental Geospatial Data Themes

Panel Discussion



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April 2016

Background

- GGIM5 discussed fundamental geospatial data themes
- Agreed there is an urgent need for a set of global fundamental geospatial data themes
- UN-GGIM: Europe asked to take the lead



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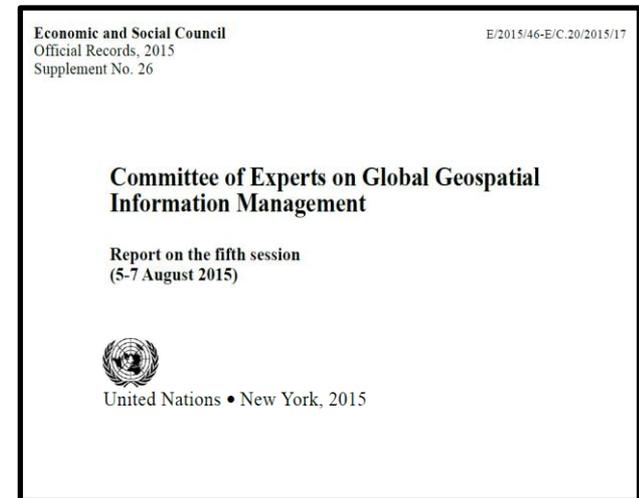


From the GGIM5 Report:

...to establish and lead a **working group**:

- to **liaise** with other regional committees of UN-GGIM
- to **bring together information** on the consideration of fundamental geospatial data themes
- to **lead discussions** between interested Member States and observers
- to **consider the prioritization** of the fundamental data themes, national experiences in the formulation of the data themes and linkages to other data needs within the programme of work of the Committee of Experts

... with a view to developing **an agreed minimum set of global fundamental geospatial data themes...**



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Terms of Reference

Objective

To bring together differing information on fundamental geospatial data themes with a view to developing an agreed minimum set of global fundamental geospatial data themes.

Expected Results

A first draft of a Resolution on Global Fundamental Geospatial Data Themes for the Committee of Experts to consider taking to the General Assembly.



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Principles

1. We will draw on existing work from around the world and will not duplicate work
2. We will collate and distil existing work into a set of fundamental geospatial themes which can be agreed on by all Member States.
3. We will plan to complete our task by GGIM7.
4. We will keep the work at a high level to achieve consensus
5. We will work in a progressive way, starting at a high level and moving to more detail if time allows.
- 6. Agreement has priority over detail**



Regional Activity

UN-GGIM: AFRICA

- Work Group 2 are looking at Fundamental Datasets. This work is being led by South Africa.

UN-GGIM: AMERICAS

- As part of their work group on SDI, UN-GGIM: Americas are looking into “Fundamental data sets provision”.

UN-GGIM: ARAB STATES

- Working Group 2 on Fundamental Data and Geo-standards. The group is chaired by Tunisia, vice-Chair is Qatar.

UN-GGIM: ASIA PACIFIC

- UN-GGIM Asia Pacific have included ‘data themes, specifications, and metadata catalogue for regional SDI’ as part of Working Group 3: Regional SDI.

UN-GGIM: EUROPE

- UN-GGIM: Europe are undertaking this work as part of Working Group A which is led by France.



Regional Perspectives on Fundamental Data

UN-GGIM: Europe WGA	Africa Reports	ANZLIC	UNGGIM NIA
	Geodetic control network	Positioning	
Geographical names	Geographic names	Place names	Geographical names
Administrative units	Boundaries	Administrative boundaries	Administrative units
Addresses		Geocoded addressing	
Cadastral parcels	Land Tenure	Land parcel and property	Cadastral parcels
Transport networks	Transportation	Transport	Transport networks
Hydrography	Hydrography	Water	Hydrography
Area Management	Land management units/areas		
Orthoimagery	Imagery	Imagery	Imagery
Elevation	Hypsography	Elevation and depth	Elevation
Land cover	Natural environment	Land cover	Land Cover
Land Use			
Buildings			Settlements
Statistical Units			
Land Use			
	Utilities and services		
	Drainage		



Progress to date

1. A Work Group has been set up, led by the UK.
2. Regions contacted to ask for representation and information on regional initiatives
3. First Workshop held on Tuesday



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Membership

Those who responded to the call for interest:

Joep Crompvoets	Belgium
Fernand Isseri	Cameroon
Éric Loubier	Canada
Jiang Jie	China
Mena Alla Anwar	Egypt
Bernd Richter	Germany
Uzo Okafor	Namibia
Arvid Lillethun	Norway
Nuria Valcárcel	Spain
Clare Hadley	UK
Tim Trainor	USA
Mark Cygan	esri
Charlie Frye	esri
Dave Lovell	GDSI

Regional Committee Representatives:

Derek Clarke	Africa
José Luis Mondragon	Americas
Mohamed-Ali Amri	Arab States
Hidenori Fujimura	Asia Pacific
François Chirié	Europe



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Tuesday's Workshop



Topics of discussion

- What is a data theme?
- What does 'fundamental' mean?
- What are the characteristics that describe a fundamental theme?
- Fundamental for what?
- What should the Minimum List look like?



Example

Theme: Natural Environment
Sub-theme: Forestry, Soil, Water,
Air ...

Dataset: Soil erosion
(data integration)
Air quality
(sensors)
Deforested areas
(imagery interpretation)

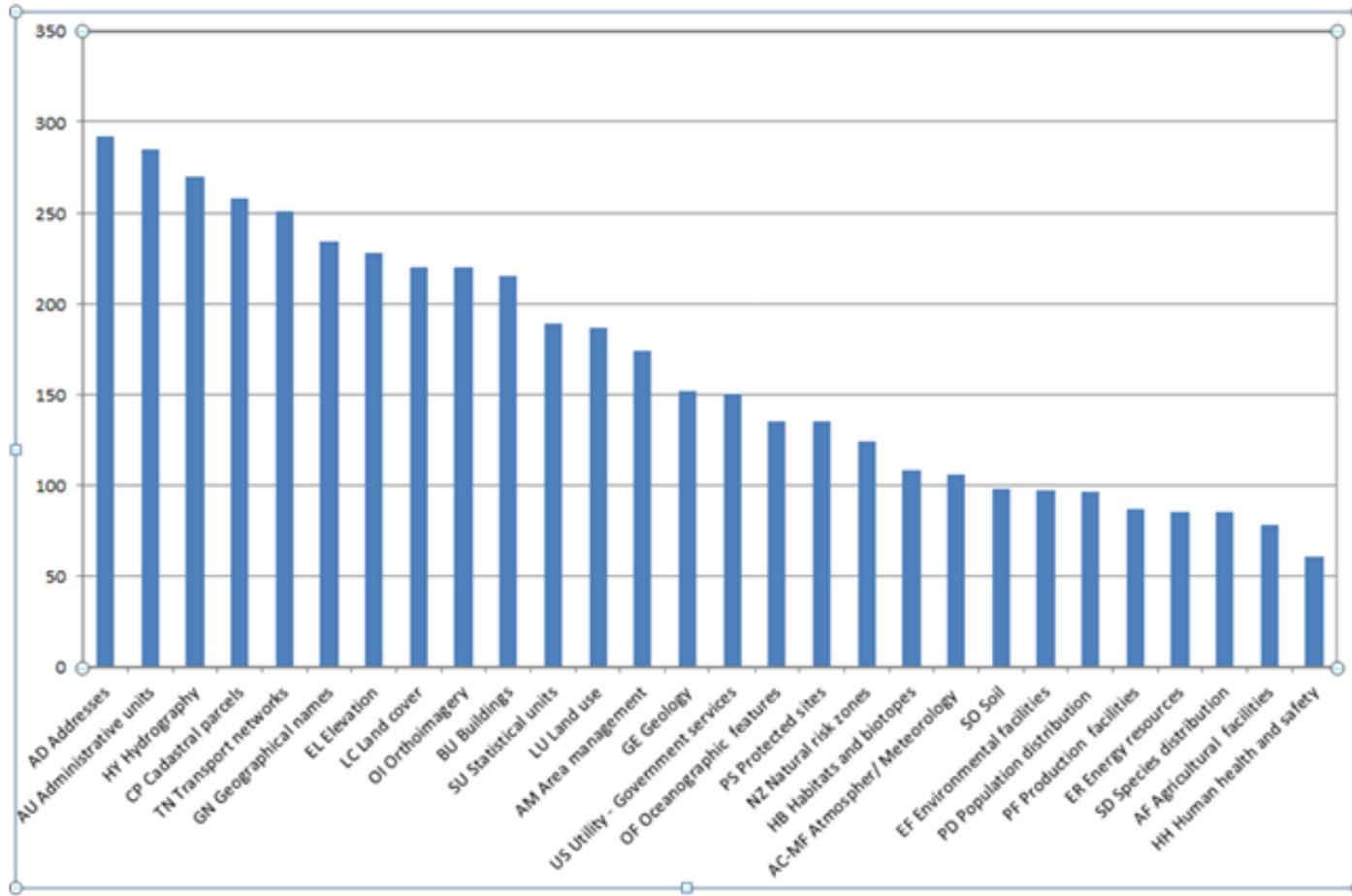


Thoughts from the workshop

- Required across many sectors
- Longevity
- Interoperable
- One identified source – custodian
- Universal – applicable across all regions
- Comprehensive coverage
- Official – authoritative – trusted
- Referenced to GGRF
- Used to reference other data
- Uses global standards
- Compliant to GSDI
- Critical data
- Transparent – documented methodology
- Veracity
- Unique
- Accessible
- Location-based
- Digital



The long tail



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Fundamental for what?

SDG requirements:

- ✓ Baseline measurement
- ✓ Evidence-based policy making
- ✓ Implementation of actions
- ✓ Monitoring and reporting

Wider requirements to support growth



The Minimum List – from the workshop

All groups chose:

Administrative Units

Transport

Water

Elevation/depth

Land Cover

Three groups chose:

Addresses

Two groups chose:

Land parcels

Imagery

- the same eight as were common to the other 4 studies



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What happens next?

- Analysis of Workshop results by WG
- Draft of description of fundamental data
- Draft of Minimum List
- Further workshop at Global World Forum
- GGIM6 side meeting
- Circulate drafts for review



Our focus for our results will be:

- Designed to make a difference to the achievement of the SDGs
- Agreed on by us all
- Expressed in language for the non-geo community
- Produced quickly!



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Thank You !



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