

Global Fundamental Data Themes

2nd Plenary Meeting, 7 October 2015, Belgrade Serbia
Jacek Jarzabek, Executive Committee Member, Poland



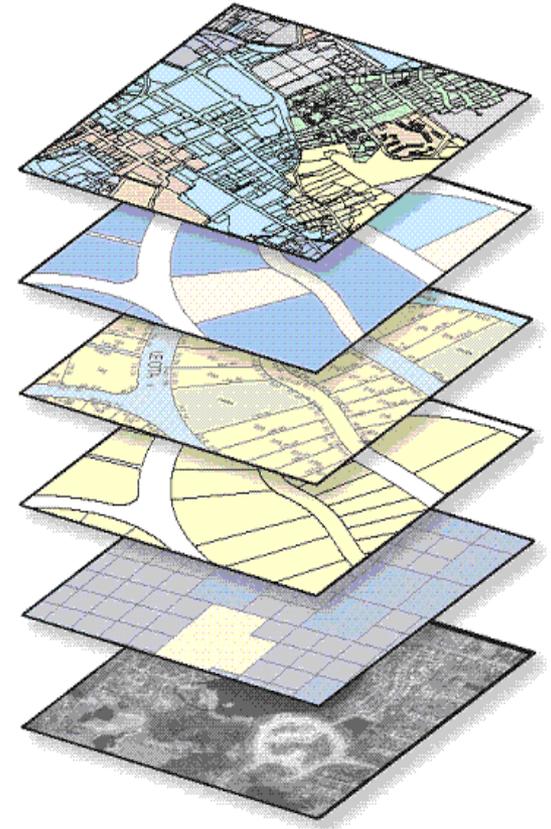
UN-GGIM: EUROPE

UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT



What is Fundamental Data?

- UN-GGIM: Europe through Working Group on Core Data conceptualises *core data as the authoritative, harmonised and homogeneous framework data which both national and international users need to either fulfil their requirements or to geo-reference and locate their own thematic data*



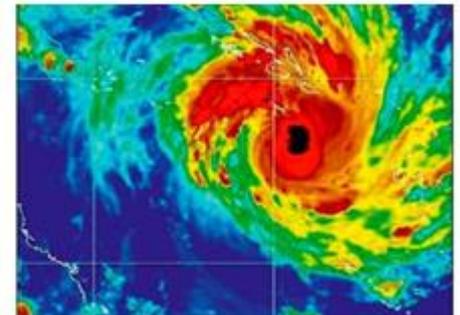
UN-GGIM: EUROPE

UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT



Why is it important?

- Geospatial information provides the content and context for understanding natural and human systems;
- enables us to measure, monitor and manage sustainable development in a consistent way over time and for evidence-based decision and policy making;
- assists in addressing the key regional and global challenges facing the world today



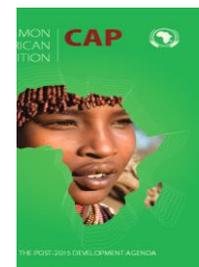
UN-GGIM: EUROPE

UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT



Repeated calls for geospatial information

- **2012** report to the United Nations Secretary-General '*Realizing the Future We Want For All*' states that global environmental sustainability requires "improving access to geographical information and geospatial data";
- **2013** the Doha Declaration issued at the conclusion of the 2 HLF on GGIM affirmed the importance of an agreed set of core global reference datasets;
- **2014** report of the African Union '*Common African Position on the post-2015 development agenda*' noted that a key enabler for effective sustainable development is regional investment in national statistical capacities and geospatial information systems;
- **2015** document '*Transforming our world: the 2030 Agenda for Sustainable Development*' explicitly mentions the importance of geospatial information to monitor and measure SDGs



What is being done at regional levels?

A number of existing regional initiatives separately considering and defining geospatial data themes:

- European Union INSPIRE Directive lists 13 core reference data sets;
- UNECA recommendations 12 “candidate” fundamental data sets for Africa in '*Determination of Fundamental Datasets for Africa: Geoinformation in Socio-Economic Development*';
- ANZLIC have recognised users' recurring need for a defined number of spatial datasets, identifying 10 foundation data themes;



United Nations
Economic Commission for Africa



UN-GGIM: EUROPE
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT



Cross-regional similarities

There are some cross-regional similarities on which geospatial data themes are recognised as being fundamental

INSPIRE (Annex I & II)	Africa Reports	ANZLIC
Coordinate reference systems	Geodetic control network	Positioning
Geographical grid systems		
Geographical names	Geographic names	Place names
Administrative units	Boundaries	Administrative boundaries
Addresses		Geocoded addressing
Cadastral parcels	Land Tenure	Land parcel and property
Transport networks	Transportation	Transport
Hydrograph	Hydrograph	Water
Protected sites	Land management units/areas	
Orthoimagery	Imagery	Imagery
Elevation	Hypsography	Elevation and depth
Land cover	Natural environment	Land cover
Geology		
	Utilities and services	
	Drainage	

However it must also be acknowledged that there are likely regional differences in how these themes are prioritised in importance and regional requirements



How can these be brought together at a global level?

UN-GGIM: Europe:

- considers engagement with the other regional entities essential to developing agreement of a set of global fundamental geospatial data themes
- proposes that national and regional examples of fundamental data theme initiatives must be the basis for developing agreement of a set of global fundamental geospatial data themes that can be harmonised to address the needs of the sustainable development agenda.
- suggests as a first step the preparation of an inventory of existing themes, core data sets, data models and practices, useful in determining current arrangements



UN-GGIM: EUROPE

UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT



Global fundamental geospatial data themes

... work will not be an extension of Working Group A

- Working Group A has a regional agenda to their work, identifying core data through an approach that is based on the regional needs: SDGs, INSPIRE & national uses
- The determination of fundamental geospatial data themes work needs to be considered within a wider global context dealing with the needs of all five UN-GGIM regional entities



UN-GGIM: EUROPE

UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT



What can be done?

In order to develop agreement of a minimum set of global fundamental geospatial data themes UN-GGIM: Europe proposes to:

- review globally available resources in SDI development,
- liaise with the other Regional Committees of UN-GGIM
- lead discussions between interested Member States & Observers

The Committee of Experts has given UN-GGIM: Europe the mandate to establish and lead this work and report back to the Committee at GGIM6



UN-GGIM: EUROPE

UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT



Unleashing the power of 'Where'



... to make the world a better place.



UN-GGIM: EUROPE

UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

