

# United Nations GGIM

## Working Group on Trends in National Institutional Arrangements in Geospatial Information Management

United Nations Committee of Experts on Global Geospatial Information Management  
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United Nations Committee of Experts on  
Global Geospatial Information Management

*Positioning geospatial information to address global challenges*

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## Documents:

- E/C.20/2015/5/Add.1
- E/C.20/2015/5\*
- Background Document on Trends in National Institutional Arrangements in Geospatial Information Management



# 1. Background

- UN-GGIM mandate to create NIA Working Group to identify **best practices** in National Institutional Arrangements in their **productive and operational, financial, legal and political aspects** (2014)
- 3 Task Groups (TG) have been established:

	<b>1. Geospatial Information (GI) business model analysis</b>
<b>TG1</b>	1.1 GI production systems analysis
<b>TG2</b>	1.2 Funding structures in Geospatial Information
	1.3 Dissemination systems in Geospatial Information
	1.4 Data policy models
<b>TG3</b>	<b>2. Structure of Geospatial Information Management Organizations</b>
	<b>3. The role of people as users and producers of GI (Volunteered Geographic Information, VGI)</b>



## 2. Task Group members

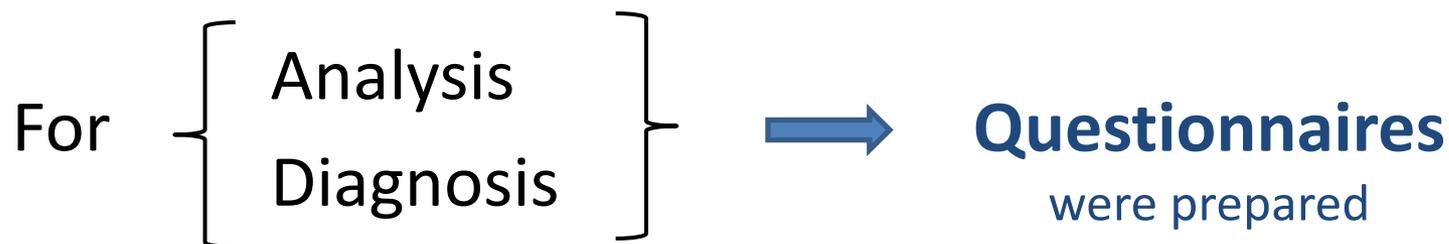
Task Group 1	Task Group 2	Task Group 3
<b>Spain</b>	<b>Mexico</b>	<b>Singapore</b>
France	Austria	Austria
Italy	France	Bangladesh
South Korea	Italy	Belgium
Singapore	Jamaica	France
	Singapore	Guyana
	Spain	Japan
	ISPRS	South Korea
	CSIRO	Carlton University
		GSDI
		CSIRO



### 3. NIA Work Plan

#### Common Phases for all TG1 /TG2/TG3

<b>Analysis</b> activities of the state of the art in each area.	Done
<b>Diagnosis</b> of the current situation.	In progress
Identification of best practices.	To be finished in February 2016
<b>Consultation</b> among groups and NIA WG	
Preparation of technical papers and <b>reports</b>	



# Questionnaires

Task group	Questionnaire	Circulated from
TG3	- Structure of Geospatial Management Organizations	20 Jan - 27 Feb 2015
Combined questionnaire TG1-TG2-TG3	- Production systems of Geospatial Information (GI)	25 Feb - 27 Mar 2015
	- Funding systems, dissemination and data policy of Geospatial Information	
	- Role of citizens as users and producers of VGI and its impact on Geospatial Information	



## 4. Selection of GI themes for the questionnaire

- The idea was to select the **LAND Themes** more related to the **17 Sustainable Development Goals of UN**
- A **survey** was done for this task within the NIA TG members



# Selection of Themes for the questionnaire

UN Sustainable Development Goals

GI Themes

Sustainable Development Goals

End **poverty** in all its forms everywhere

End **hunger**, achieve food security and improved nutrition and promote sustainable agriculture

Ensure **healthy lives** and promote well-being for all at all ages

Ensure inclusive and equitable quality **education** and promote lifelong learning opportunities for all

Achieve **gender equality** and empower all women and girls

Ensure availability and sustainable management of **water** and sanitation for all

Ensure access to affordable, reliable, sustainable and modern **energy** for all

Promote sustained, inclusive and sustainable **economic growth**, full and productive **employment** and decent work for all

Build resilient **infrastructure**, promote inclusive and sustainable **industrialization** and foster innovation

**Reduce inequality** within and among countries

**Make cities** and human settlements inclusive, safe, resilient and sustainable

Ensure **sustainable consumption and production** patterns

Take urgent action to **combat climate change** and its impacts\*

Conserve and sustainably use the **oceans, seas and marine resources** for sustainable development

Protect, restore and promote sustainable use of terrestrial **ecosystems**, sustainably manage **forests**, combat desertification, and halt and reverse land degradation and halt biodiversity loss

Promote peaceful and inclusive **societies** for sustainable development, provide access to **justice** for all and build effective, accountable and inclusive **institutions** at all levels

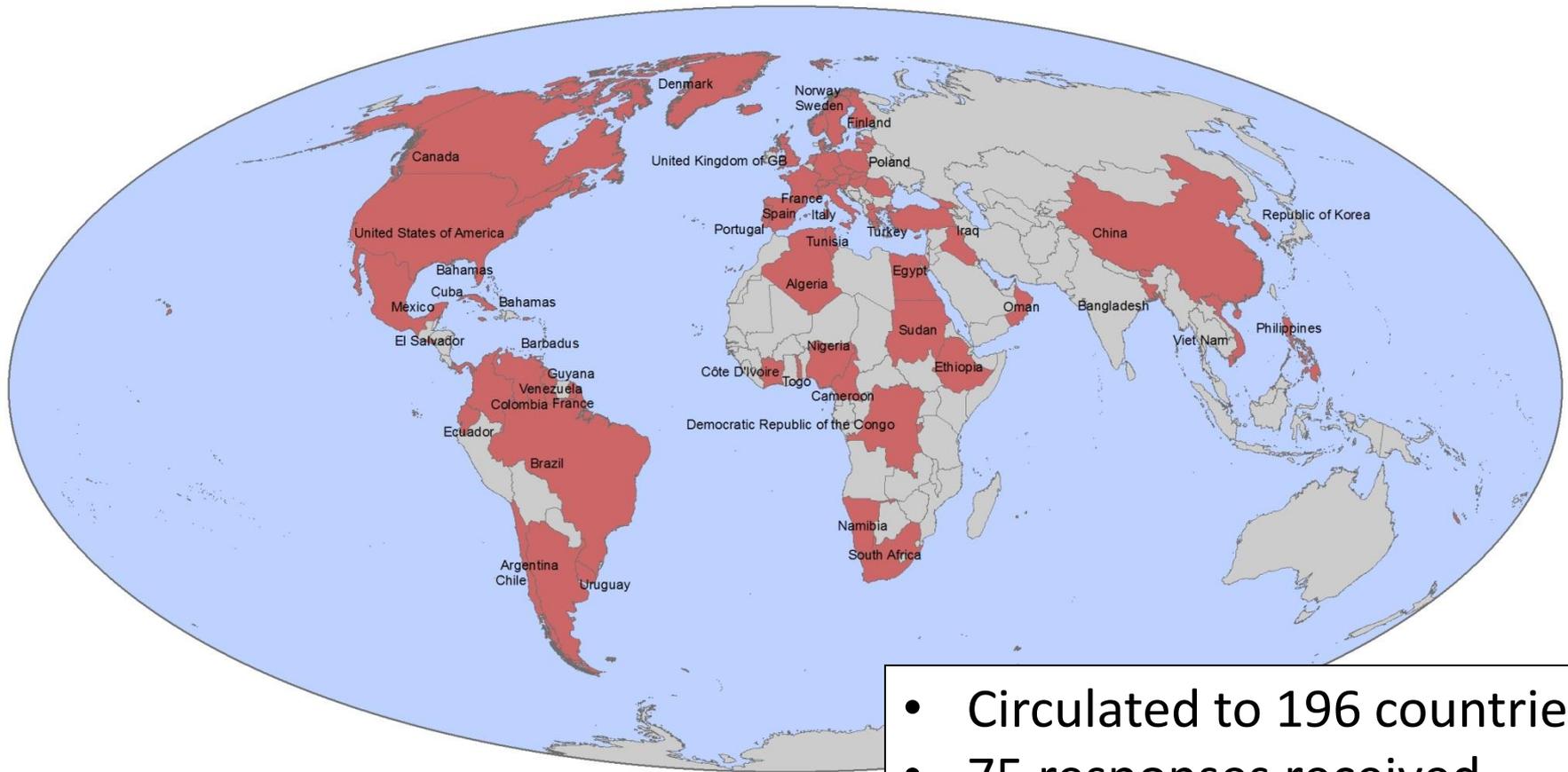
Strengthen the means of implementation and revitalize the **global partnership for sustainable development**

	Goal 1	Goal 2	Goal 3	Goal 4	Goal 5	Goal 6	Goal 7	Goal 8	Goal 9	Goal 10	Goal 11	Goal 12	Goal 13	Goal 14	Goal 15	Goal 16	Goal 17
<b>Geospatial reference information (GRI)</b>																	
Geographical names	X	X	X														
Administrative units	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Transport networks	X	X	X	X				X	X	X	X	X					
Hydrography	X	X	X														
Elevation	X	X				X	X						X	X	X		
Land Cover	X	X									X	X	X	X	X		
Imagery	X	X	X			X	X		X	X	X	X	X	X	X		X
Settlements	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
<b>Geospatial information (GI)</b>																	
Protected sites		X				X							X	X	X		
Statistical units	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Addresses	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cadastral parcels	X	X	X	X	X	X			X	X	X	X				X	
Buildings	X		X	X	X				X		X	X					
Geology													X				
Soil	X	X				X							X		X		
Land use	X	X	X			X			X	X	X	X	X	X	X		X
Human health and safety	X		X	X		X				X	X	X					X
Utility and governmental services	X		X	X	X			X	X	X	X						X
Environmental monitoring facilities	X	X	X			X		X	X	X			X		X		
Production and industrial facilities	X		X	X		X	X	X	X	X		X					
Agricultural and aquaculture facilities	X	X				X		X	X	X		X					
Population distribution and demography	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Area management/restriction/regulation zones & reporting units	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X
Natural risk zones	X	X	X						X	X							X
Atmospheric conditions	X	X	X										X				X
Meteorological geographical features	X	X	X			X							X				
Oceanographic geographical features	X	X				X							X	X			
Sea regions		X				X							X	X			X
Bio-geographical regions	X	X	X										X		X		
Habitats and biotopes	X	X	X			X					X		X		X		
Species distribution		X	X										X		X		
Energy resources	X							X		X				X			
Mineral resources	X						X			X				X			





# 5. Answers to the Combined Questionnaire



■ Countries answering the questionnaires

- Circulated to 196 countries
- 75 responses received
- 38% countries

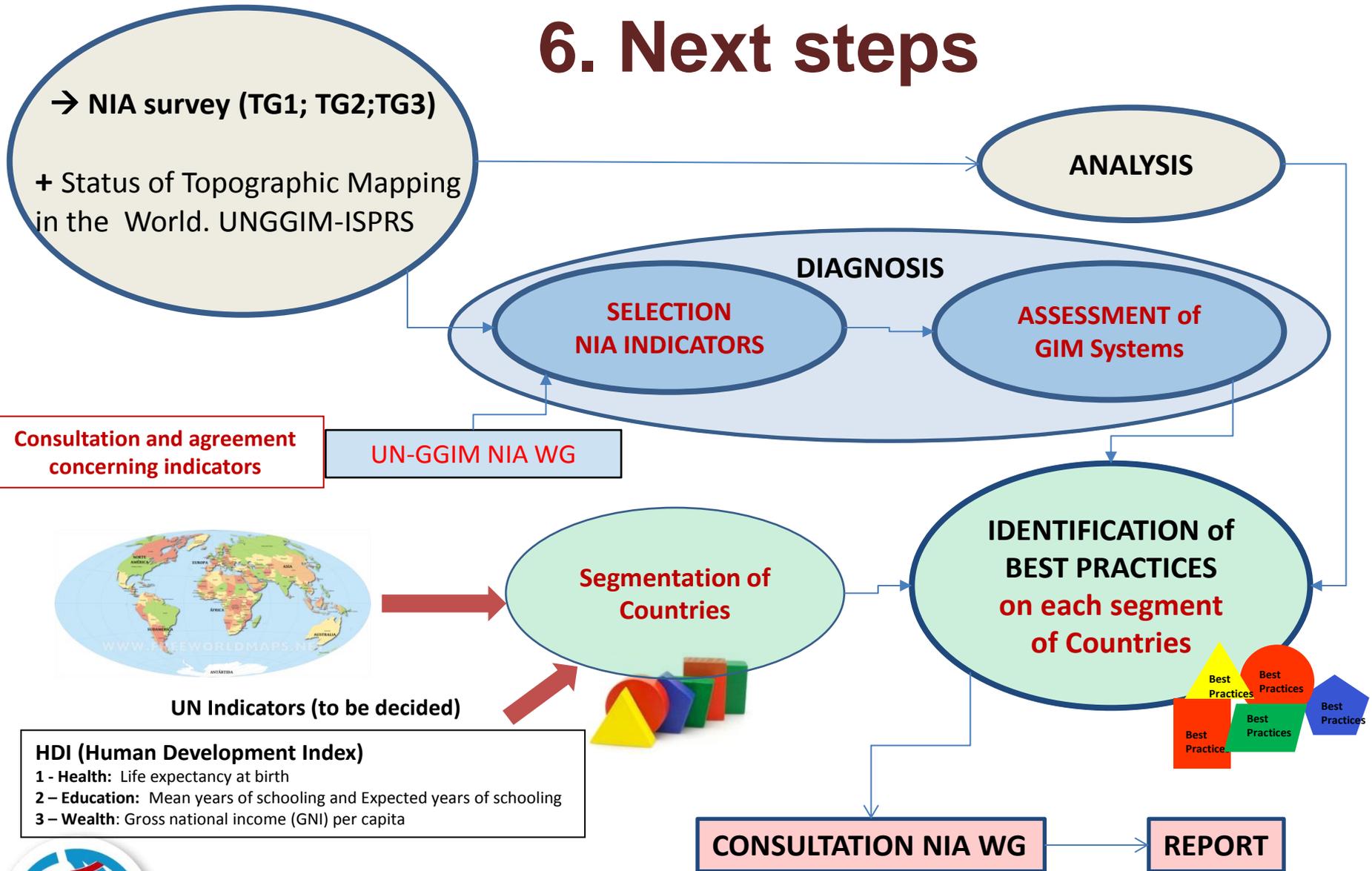


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# 6. Next steps



# 6. Deliverables

## Available:

- **NIA WG Report** of Questionnaires analysis: Done/available for consultation
- **Summary of answers** to the questionnaires: Done/available for consultation
- **Diagrams** prepared with answers to questionnaires: by **countries** and by **surface**: Done/consultation 10-2015

## Coming soon:

- **NIA/UNGGIM web page**: Next months of 2015 ...
- **Report of Assessment** of GIM Systems: 01/2016
- **Report of Identification** of different **Best Practices**: 05/2016



# 7. Conclusions

- We have **consolidated** the Group and cooperation system (not easy...)
- We have finalized one important part of the Work Plan, between these three Task Groups (**Questionnaires, Analysis and part of Diagnosis**)
- We have analyzed in our questionnaires **Themes** and **current situation of production** (not necessary best practices)
- Now it will be possible to carry-out the **identification of existing Best Practices** from the different Countries answers (with indicators)
- We hope to finalize our work next months of **2016**



# 8. Points for discussion

The Committee of Experts is invited to:

- a) **Take note of the report and the work** of the Working Group and its three Task Groups inclusive of the combined background paper;
- b) **Express its views** on the way forward based on the **next steps and recommendations** proposed by the Working Group to address its mandate relating to National Institutional Arrangements;
- c) **Approve the approach** to:
  - i. **Recirculate** the questionnaires and encourage Member States to respond in order to achieve a higher representative sample and more informed results;
  - ii. **Convene a technical meeting** at an appropriate time in 2016 to expand the discussion on geospatial information institutional arrangements, inclusive of legal and policy frameworks, and to prepare a compendium of characteristics/criteria which determine effective geospatial institutional arrangements; and
- d) **Encourage Member States to actively participate** in the work program of the Working Group.



Thank you for your attention

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