

**SIDE EVENT**

Geospatial Information and Services for Disasters (GIS4D)

# Activities of UN-GGIM-AP Working Group 2 in relation to the implementation of Strategic Framework

31 July, 2017

United Nations Headquarters,  
New York, USA

*Toru Nagayama, Chair of WG2, UN-GGIM-AP  
Geospatial Information Authority of Japan*



UN-GGIM-AP

Regional Committee of United Nations  
Global Geospatial Information Management  
for Asia and the Pacific

[www.un-ggim-ap.org/](http://www.un-ggim-ap.org/)

# 1. Purpose of Working Group 2 (2015-2018)

- **Expected long-term outcomes by 2030**

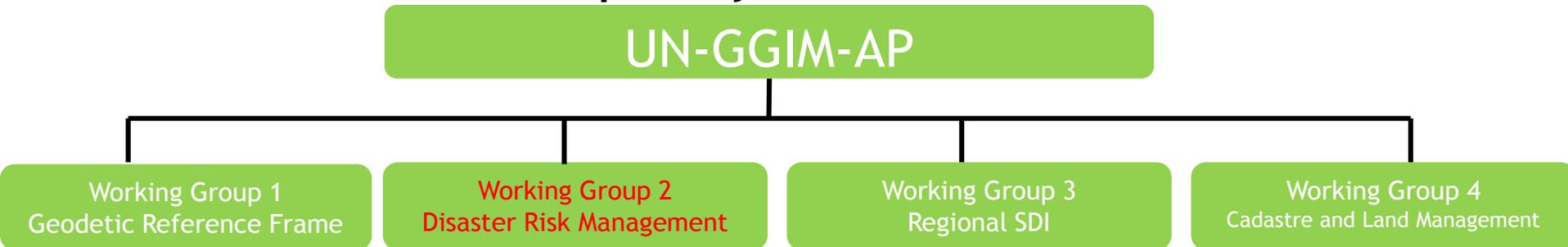
NGIAs will implement necessary disaster risk reduction measures, required by SFDRR, by fully mobilizing their technical and administrative competency.

These measures will greatly contribute to reducing casualties and property loss from disasters in the region.

- **Expected outcomes by the end of the current WG2 term (2018)**

NGIAs in Asia-Pacific region will enhance their capacity in contributing to disaster risk reduction through utilizing geospatial information, with a view to the effective implementation of SFDRR in the region.

- **UN-GGIM-AP structure adopted by 20th UNRCC-AP in 2015**



\*NGIA: National Geospatial Information Authority

\*\*SFDRR: Sendai Framework for Disaster Risk Reduction 2015-2030

## 2. WG2 Officers

### WG2 Chair

Mr. Toru Nagayama, Japan

### WG2 Vice Chairs

Dr. Tang Xinming, China,

Mr. Adi Rusmanto, Indonesia,

Mr. Peyman Baktash, Iran,

Ms. Munkhtsetseg Dalkhaa, Mongolia,

Mr. Rob Deakin, New Zealand,

Mr. John SF Fabic, Philippines,



### 3. Summarized Work Plan of WG2 (2015-2018)

Work Item	Activities	Period	Output
1	Identify NGIAs' contribution areas for effective implementation of the SFDRR.	2015-2018	Contribution list
2	Investigate present and future roles of NGIAs through a questionnaire survey.	2015-2017	Survey report
3	Collect Best Practices (BP)	2015-2017	BP collection
4	Compile guidelines to help NGIAs promote geospatial activities for DRR.	2017-2018	Guidelines
5	Coordination and cooperation with the UN-GGIM Working Group on disasters.	2015-2018	(enhanced coordination)
6	Encourage Member States to share earth observations infrastructure, technology and data resources.	2015-2018	(further sharing)



# 4. Results-Questionnaire (Work Item No.2)

## a)Activity

- Investigation of the present roles of disaster management authorities and NGIAs and identifying potential areas for extended roles of NGIAs and collaborations.

## b)Results

- 14 out of the 56 member states of UN-GGIM-AP responded to the survey.
- Each NGIA recognizes the provision of precise and real-time geospatial information as a challenge for disaster risk reduction.
- NGIAs are requesting WG2 to share legal documents and best practices of the member states

## c)URL

- <http://www.un-ggim-ap.org/workinggroups/disaster/dblj/201612/P020161227366018769051.pdf>



# 5. Results- Best practices (Work Item No.3)

## a)Activity

- Collecting best practices on the use of geospatial information for disaster risk reduction in Asia-Pacific region.
- Use and application of geospatial information will be promoted through sharing best practices of each member state.

## b) Results

- It is suggested that 14 best practices from 10 member states be adopted as a valuable material by NGIAs for effective DRR management.

## c)URL

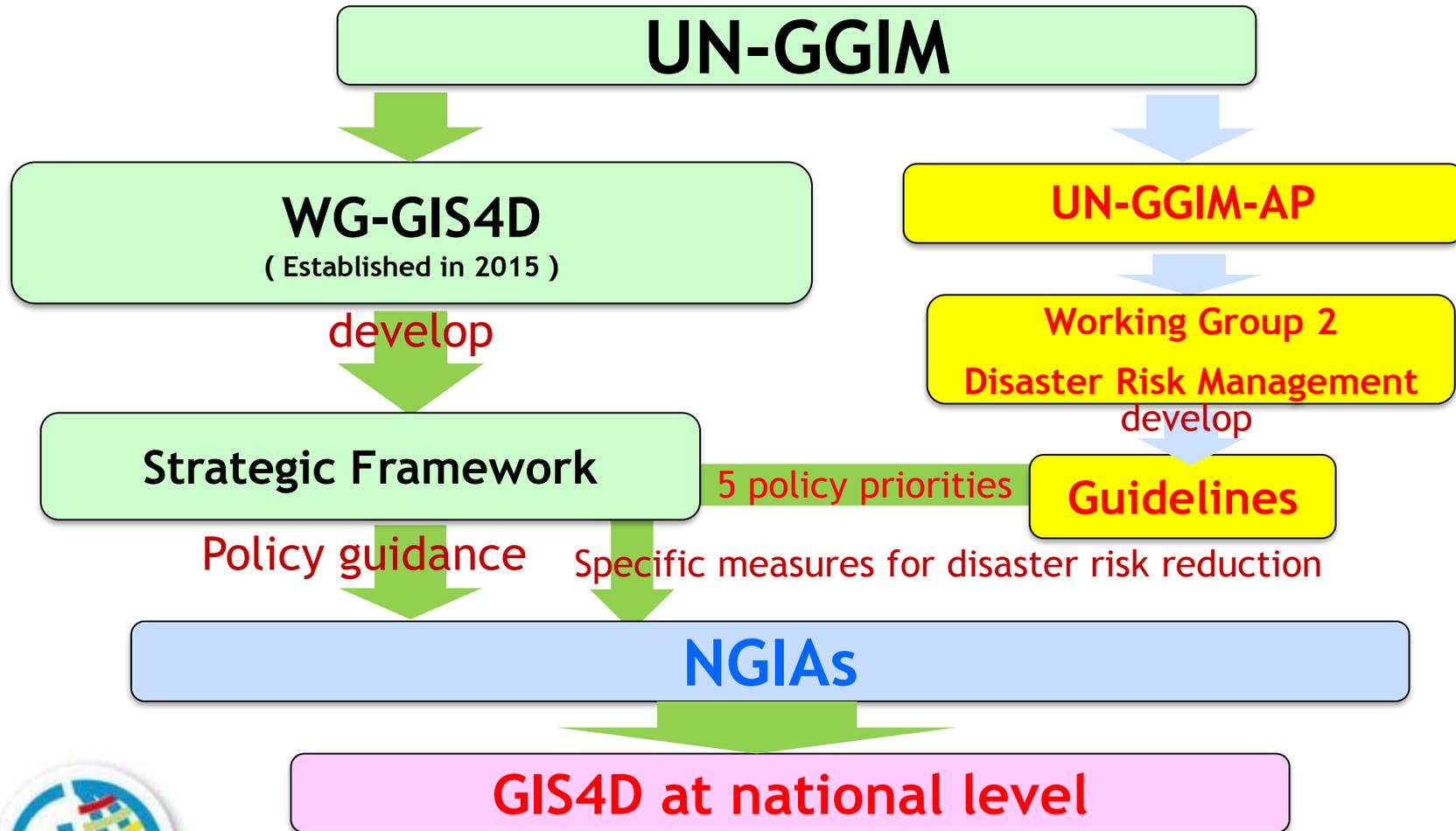
- <http://www.un-ggim-ap.org/workinggroups/disaster/dblj/201612/P020161227366018769051.pdf>



# 6. WG 2 Activity and Strategic Framework



The 2030 Agenda for Sustainable Development  
Sendai Framework for Disaster Risk Reduction 2015-2030



# 7. Guidelines (Work Item No.4)

## a) Objectives

- To propose practical approaches, efforts, and ideas to help NGIAs in the Asia-Pacific region to strengthen their capabilities in disaster risk reduction.
- To enhance disaster prevention efforts of NGIAs through these proposals and by utilizing geospatial information thereby contributing to the implementation of SFDRR in the Asia-Pacific region.

### Note:

The content of the guidelines are consistent with the five priorities defined in the Strategic Framework formulated by UN-GGIM WG-GIS4D.



## b) Specific Approaches for NGIAs to Implement Disaster Risk Management Based on Geospatial Information (Preliminary Examples)

Five strategic priorities	Example of implementing the guidelines	Pre-disaster phase	Disaster-phase	post-disaster phase
<b>Priority 1 Governance and Policies</b>	■ Creation of the procedural manual which can be utilized for DRRM	✓	✓	✓
	■ ....			
<b>Priority 2 Awareness Raising and Capacity Building</b>	■ Implementation of training and drills programs for NGIA staff members	✓		
	■ ....		✓	
<b>Priority 3 Data Management</b>	■ Provision of geospatial information during pre-disaster phase	✓		
	■ ....	✓		
<b>Priority 4 Common Infrastructure and Services</b>	■ Creation of a check sheet for sharing a common awareness among NGIAs and stakeholders	✓		
	■ ....	✓		
<b>Priority 5 Resource Mobilization</b>	■ Provision of geospatial information for the afflicted areas by NGIAs		✓	
	■ ....			



## c) Example measures for the Guidelines

- School outreach aiming at cultivating future technical experts in terms of publicity and education -> **Priority 2 (Awareness Raising and Capacity Building)**
- To Conduct drills with stakeholders using geospatial information and establish a system for speedy disaster response -> **Priority 2 (Awareness Raising and Capacity Building)**
- To call for public comment to consider of geospatial information in the users' standpoints -> **Priority 4 (Common Infrastructure and Services)**
- To enable a system to provide geospatial information (e.g. paper map) to affected areas from NGIAs -> **Priority 5 (Resource Mobilization)**

## d) Outcome of the Guidelines

- The Guideline will help NGIAs improve their capacity in the area of effective use of geospatial information for DRR.
- Therefore, NGIAs are seen to play a critical role in contributing to the achievement of the 2030 Agenda for Sustainable Development and SFDRR



# 8. The 6<sup>th</sup> Plenary Meeting of UN-GGIM-AP in Kumamoto

- Venue: Kumamoto city Japan; Date: 16<sup>th</sup> - 19<sup>th</sup> October, 2017
- Special session: Case study on the Disaster Response for Kumamoto Earthquake in April 2016
- Disaster response efforts to be discussed during the meeting will be incorporated into the Guideline.
- **We look forward to your participation!**

**UN-GGIM-AP**  
REGIONAL COMMITTEE OF UNITED NATIONS  
GLOBAL GEOSPATIAL INFORMATION MANAGEMENT  
FOR ASIA & THE PACIFIC  
Sixth Plenary Meeting of UN-GGIM-AP

Top

Registration Form (Word File Download)

I - i Plenary Meeting  
» Invitation Letter  
» Draft Agenda  
» Program

I - ii Special Session  
» Concept Note  
» Case Story (under construction)

II Side Event  
» Oct.16 WG1 Seminar (under construction)  
» Oct.19 Excursion

III Logistics information  
» Information Note  
» Accommodations  
» Access  
» Venue

IV LINK  
» UN-GGIM  
» UN-GGIM-AP

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**Sixth Plenary Meeting of UN-GGIM-AP**  
16<sup>th</sup>-19<sup>th</sup> October 2017  
Kumamoto City International Center, Kumamoto Prefecture, Japan

**Introduction**

The Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific (UN-GGIM-AP), in collaboration with the Government of Japan, through the Geospatial Information Authority of Japan (GSI), will jointly organize the Sixth Plenary Meeting of UN-GGIM-AP in Kumamoto Prefecture, Japan, from 16-19 October 2017.

The Plenary Meeting will cover its conventional agenda items, including report on the major outcomes of the Seventh Session of UN-GGIM held in August 2017, summarizing the various activities and progress of the Committee and its four Working Groups during the past year.

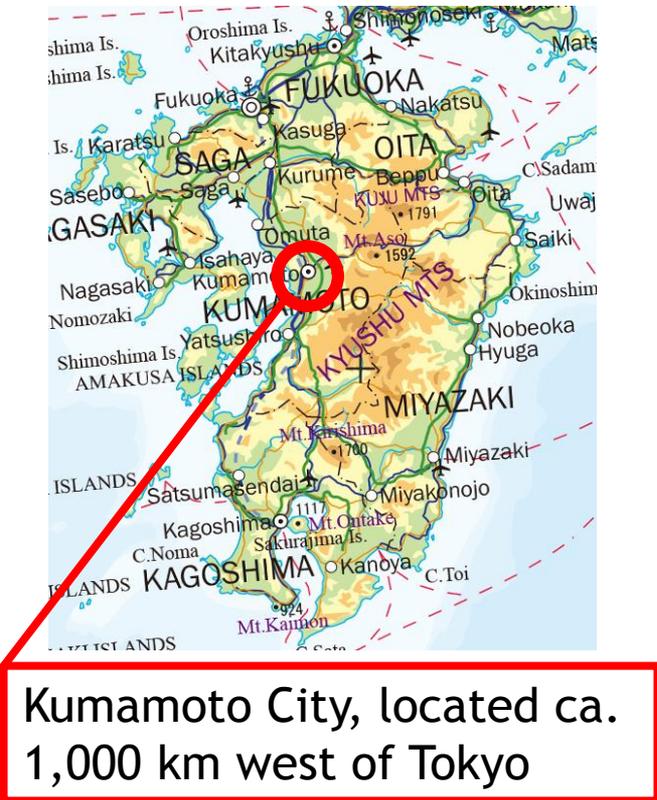
In addition, at the Sixth Plenary Meeting, a special session will be arranged to introduce GSI's responses to the 2016 Kumamoto Earthquake based on the understanding that reviewing how a country has responded with geospatial information on a specific disaster case would clarify the differences in disaster management of member countries.

It will provide a great opportunity for open discussions on the potential roles of NGIAs in the disaster risk management.

We are looking forward to seeing you in Kumamoto.

The contact point for this web page is [gsi-un-ggim-ap.japan@ml.mlit.go.jp](mailto:gsi-un-ggim-ap.japan@ml.mlit.go.jp)

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**Kumamoto City, located ca. 1,000 km west of Tokyo**

Register: <https://gsi-intl.github.io/ggim-ap-kumamoto/>

