



UN-GGIM-AP QUESTIONNAIRE Roles of National Geospatial Information Authorities (NGIAs) for Disasters

The Asia-Pacific region is the most disaster-prone area in the world. The increasing frequency and intensity of disasters poses greater risk to the region.

The purpose of this questionnaire is to build our knowledge of how the current functions of National Geospatial Information Authorities (NGIAs) and their collaboration with other institutions related to disaster risk reduction in each country operate.

The questionnaire has been developed and issued by the UN-GGIM-AP-Working Group 2 on Disaster Risk Management (hereinafter referred to as WG2), and is an initial action in its 3-year plan to develop guidelines to as to how NGIAs can support the implementation of the Sendai Framework of Disaster Risk Reduction 2015-2030 and the 2030 Agenda for Sustainable Development.

This action is prompted by the 20th UNRCC-AP Resolution 2. c) to “Investigate the present roles of disaster management authorities and NGIAs, and find potential areas for extended roles of NGIAs and collaborations with disaster management authorities through the use of geospatial information”.

In line with this, you are kindly requested to answer the questions below.

Please submit the completed questionnaire by the end of January 2016 to gsi-un-ggim-ap.japan@ml.mlit.go.jp If you have any questions, please email us.

Your understanding and cooperation will be highly appreciated.



Please provide the following information on the person filling the questionnaire:

Name	
Position Title	
Name of Organization	
Postal Address	
Telephone No	
Fax Number	
E-mail	

SECTION I. GENERAL ISSUES ON DISASTER RISK REDUCTION

1.1. What kinds of major natural disasters does your country have? Choose the disasters which need disaster risk management. (multiple choices allowed)

- Wind and water hazard by a typhoon, etc. Torrential rain
- Tremendous snowfall Flood Storm surge Drought
- Tornado Landslide Earthquake Volcanic eruption Forest fire
- Others (please describe) _____

1.2. What is the disaster risk management organization in your government?

1.2.1 Please provide documents and/or URL of websites in English of the institution above, if applicable.

- English documents (please attach files)
- English website URL: _____

1.3. What are the laws which governs disaster risk reduction policies in your country?

1.3.1 Please provide documents and/or URL of websites in English of the law above, if applicable.

- English documents (please attach files)
- English website URL: _____



SECTION II. ACTIVITIES OF YOUR ORGANIZATION FOR DISASTER RISK REDUCTION

2. Does your organization engage in practices and services prior to, during and post disasters?

YES → Please answer the following questions NO → Skip to Section VI

2.1. What kinds of activities does your organization conduct for disaster risk reduction?

Prior to disaster	<input type="checkbox"/> Continuous GNSS Observation (CORS) <input type="checkbox"/> Development of high-precision elevation data using LiDAR, etc. <input type="checkbox"/> Development and release of archives such as topographic maps, aerial photos, etc. <input type="checkbox"/> Development and dissemination of hazard maps and risk maps <input type="checkbox"/> Conducting disaster preparedness drills Please describe what types of and how often disaster drills are conducted. Types of drills*: _____ Frequency of drills (times per year): _____ <input type="checkbox"/> Dissemination and enlightenment of knowledge of disaster preparedness and response through education, etc. <input type="checkbox"/> Others (please describe) _____ <input type="checkbox"/> None
During disaster	<input type="checkbox"/> Taking and providing aerial photos in and around disaster-affected areas <input type="checkbox"/> Survey of disaster and damage situation <input type="checkbox"/> Development and provision of maps showing damage situation <input type="checkbox"/> Crustal movement analysis using CORS data <input type="checkbox"/> Crustal movement analysis using SAR imageries <input type="checkbox"/> Others (please describe) _____ <input type="checkbox"/> None
Post disaster	<input type="checkbox"/> Development and provision of maps necessary for recovery/reconstruction <input type="checkbox"/> Provision of cadastral survey results <input type="checkbox"/> Others (please describe) _____ <input type="checkbox"/> None

*Examples: acquisition, processing, and provision of data, aerial photo taking, rapid field survey on damaged area, initial staff allocation, information provision to relevant organizations, etc.

2.2. What are the national laws and/or bylaws (internal rules and regulations), which lay the foundation of disaster risk reduction activities in your organization (if applicable)?

Name of national laws: _____
 Name of bylaws: _____



2.2.1 Please provide documents and/or URL of websites in English of the laws and bylaws above, if applicable.

English documents (please attach files)

English website URL: _____

2.2.2 Does your organization have a section which is mainly responsible for disaster risk reduction and/or management?

YES → Please answer the question 2.2.3

NO → Please answer the question 2.2.4

2.2.3 How do you conduct capacity building for the staff of the above section?

2.2.4 How do you conduct personnel capacity building regarding disaster management?

2.3. Does your organization work together with the disaster risk management organization (mentioned in 1.2)?

YES → Please answer the question 2.3.1

NO

2.3.1 How does your organization collaborate with the disaster risk management organization? (e.g., joint drills, data sharing, personnel exchange)



SECTION III. GEOSPATIAL INFORMATION MANAGEMENT FOR DISASTER RISK REDUCTION (DRR)?

3.1. What are the major geospatial information products of your organization for DRR?

- _____
- _____
- _____

3.2. What kind of channels do you use for geospatial information products provision in case of disasters? (multiple choices allowed)

- Dissemination to citizens through internet
- Provision of electric data to specified disaster management institutions, etc.
- Provision of paper-based data to specified disaster management institutions, etc.
- Others (please describe)

3.3. Who are the users of your geospatial information products in times of disasters? (multiple choices allowed)

- Citizens
- Private Business
- Disaster Management Organization in national government
- Disaster Management functions in local governments
- International Organizations
- Others (if this is checked, explain below)

SECTION IV. CHALLENGES, SOLUTIONS AND FUTURE PROSPECTS

4.1. Please identify challenges in managing geospatial information for disaster risk reduction?

4.2. Please suggest solutions to the challenges identified in 4.1., if considered.

4.3. What roles do you think are required to NGIA, prior to, during, and post disasters? What approaches do you plan to take in order to tackle such roles?



SECTION V. BEST PRACTICES USING GEOSPATIAL INFORMATION IN THE FIELD OF DISASTER RISK REDUCTION

The resolutions of the 20th UNRCC-AP asks that we “Collect best practices of the use of geospatial information for disaster risk reduction in Asia and the Pacific region.” This section intends to promote the use and application of geospatial information, through sharing practices by each member state to know how they use and apply geospatial information in the disaster risk reduction field.

Please fill in the table below with a best practice in your organization. Your information will be compiled with other practices to be shared.

Country	
Organization	
Title	
Outline of the subject natural disaster	
Response *1	
Effect *2	
Future *3	

*1 Please describe your organization’s response using geospatial information against the natural disaster event.

*2 Please specify effects brought by the response mentioned above.

*3 Please suggest your future approaches.

* Please copy this form if you would like to fill in more than one best practices.

* If possible, please attach photos and illustrations for better understandings of this best practice case.



SECTION VI. FUTURE APPROACHES

* This section is designed for organizations which are not currently engaged in disaster management.

6.1. In the context of further extensive use of geospatial information for disaster risk reduction, does your organization have any future plans?

- YES → Please answer the question 6.1.1 NO

6.1.1 If you have any challenges in realizing the plans mentioned in 6.1, please write down them.

6.2. On the occasion of setting up the UN-GGIM-AP-WG2 on Disaster Risk Management, please describe what you expect the WG2 to do.



Should you wish to do so please provide general comments:

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Thank you for your cooperation in completing this questionnaire. Kindly return the questionnaire as specified in the cover letter.