



UN-GGIM and Disaster Risk Reduction

Introduction of UN-GGIM WG on Geospatial Information and Services for Disasters

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Background

- **In case of crises** like natural disasters, disease outbreaks and other emergencies, **many stakeholders engage** in the response often **with limited coordination** and collaboration **with overlapping initiatives** on geospatial information and services.
- **Fact finding analysis was conducted** on these situations by the UN Secretariat using UN-GGIM Trust Fund to develop a strategic framework to improve quality, harmonization, coordination and collaboration at all levels of decision making with geospatial information.



Geospatial Information Services to Support Emergency Response:

**Current situation (fact finding analysis)
and
way forward (strategic framework)**

Kyoung-Soo Eom

Chief UN Geospatial Information Section

(former UN Cartographic Section)

UN-GGIM Secretariat



UN-GGIM

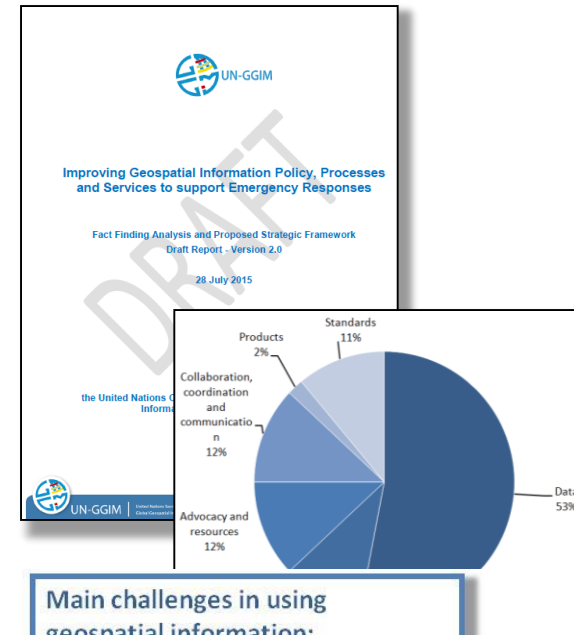
United Nations Secretariat
Global Geospatial Information Management

Positioning geospatial information to address global challenges

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Fact finding analysis

- Allowed identifying not only the **challenges** and **bottlenecks** encountered by stakeholders and partners during recent crisis but also the **major success factors** and **opportunities** to address them;
- These finding got crystallized into a **proposed strategic framework** which, if implemented, would allow for the necessary geospatial information and services to be **available, of quality and accessible** in a **coordinated way** to decision making and operations during disasters.

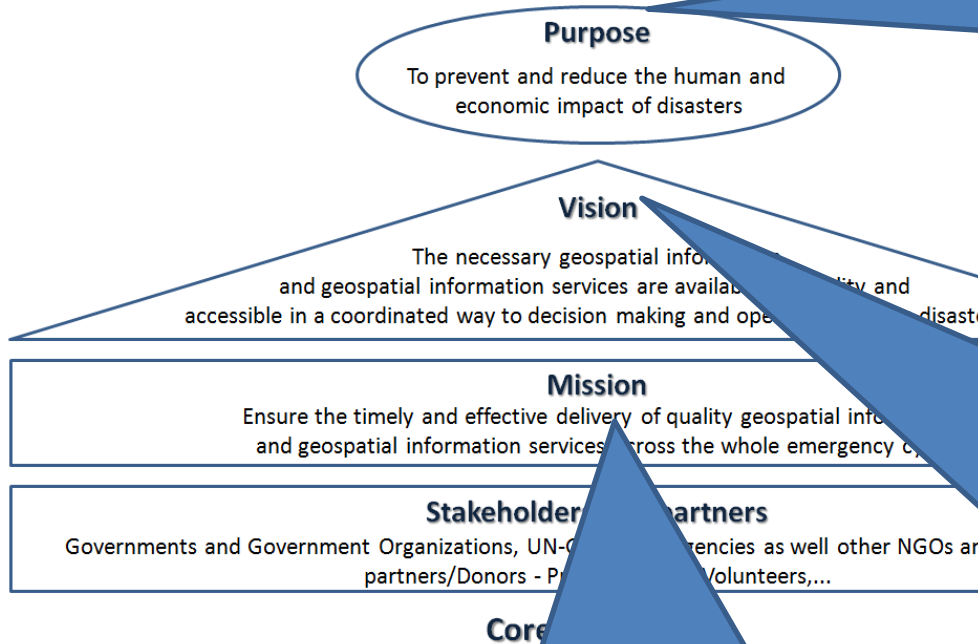


Main challenges in using geospatial information:
63% Conflicting or contradicting datasets
55% Metadata is not available
51% Data of poor quality

40% of the agencies think that the international community involved in the response **did not leverage enough** their existing geospatial information and/or technical capacities.



Proposed strategic framework and flowcharts



Purpose:
To prevent and reduce the human and economic impact of disasters

Vision:
The necessary geospatial information and geospatial information services are available, of quality and accessible in a coordinated way to decision making and operations during disasters.

Mission:
Ensure the timely and effective delivery of quality geospatial information and geospatial information services across the whole emergency cycle.



Recommendations

For the UN-GGIM Committee to:

- Consider including **geospatial information and services in disasters** as a **formal UN-GGIM agenda item**;
- Establish a **Working Group on geospatial information and services in disasters** within UN-GGIM with the main objective to develop a **policy framework** to be presented to **ECOSOC** and the **General Assembly** for consideration;
- **Advocate** for **humanitarian** and **response community** to review the framework as a way to improve geospatial information and services to support disaster response.



Decision 5/110

The Committee of Experts on GGIM:

- (d) Welcomed the initiative of the Secretariat ...to support emergency response and disaster risk reduction ..., and **strongly supported the proposal to establish a working group to further develop and implement a strategic framework** that would be: ...
- (ii) **Aligned with the outcome and follow-up to the Sendai Framework for Disaster Risk Reduction 2015-2030** and its implementation;
 - (iii) Able to **take into consideration the special needs of developing countries**, especially with respect **to capacity building and sharing knowledge**; ...
- (e) Welcomed the many expressions of interest by the Member States, and invited the working group to report to the Committee of Experts at its next session, to be held in 2016.



Working Group on Disasters (WG-Disasters)

UN-GGIM Working Group on Geospatial Information and Services for Disasters

- Scope (Based on Decision 5/110):
 - **Develop a strategic framework** that brings all stakeholders and partners involved in Disaster Risk Reduction and/or Emergency Management together to ensure for the necessary geospatial information and services to be available, of quality and accessible in a coordinated way to decision making and operations prior to, during and post disasters.
- Goals (by the time of the Sixth Committee of Experts):
 - Conduct a **review of frameworks, laws, rules and regulations already existing among the Member States** when it comes to the provision of geospatial information and services prior to, during and post disasters;
 - **Develop the final strategic framework** for consideration by the UN-GGIM Committee of Experts at its sixth session (August 2016) with recommendations for further referral to the United Nations Economic and Social Council (**ECOSOC**) and the United Nations General Assembly (**GA**).



Working Group on Disasters (WG-Disasters)

UN-GGIM Working Group on Geospatial Information and Services for Disasters

- Co-Chairs

- Mr. Peter Tiangco (Philippines)

- Task Team-1 (TT-1): Engage the disaster response community to develop a Strategic Framework on Geospatial Information and Services for Disasters.
 - Draft strategic framework is currently reviewed.

- Mr. Rohan Richards (Jamaica)

- Task Team-2 (TT-2): Conduct a review of frameworks, laws, rules and regulations already existing among the Member States.
 - Draft review (version 1.0) has been shared in the WG.



Strategic Framework on Geospatial Information and Services for Disasters

2016-2030

Prepared by WG-GISD
Task Team 1 – Philippines
19 April 2016



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The Need for a Strategic Framework

The United Nations Committee of Experts on
Global Geospatial Information Management (UN-GGIM)



Working Group on Geospatial Information and Services for Disasters



STRATEGIC FRAMEWORK



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Is **UN-GGIM's guiding policy document** that brings all stakeholders and partners involved in Disaster Risk Reduction and Management (DRRM) together to ensure for the necessary quality geospatial information and services to be available and accessible in a coordinated way to decision-making and operations prior to, during and post disasters.

STRATEGIC FRAMEWORK



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Outline

- List of Acronyms
- Preamble
- Expected Outcome and Goal
- Guiding Principles
- Priorities for Action
- Role of Stakeholders
- Implementation
- Definition of Terms
- References



PREAMBLE

- The mechanisms and resources in achieving **common operational picture** of disaster events among all stakeholders are generally not in place before a crisis happens.
- **Recent large scale events** have exacerbated several issues pertaining to the collection, use and sharing of geospatial information.



STRATEGIC FRAMEWORK



- This framework is not only **timely** in view of the increasing number and impact of disasters but also contributes to the Member States' implementation of the 'Sendai Framework for Disaster Risk Reduction 2015-2030'



EXPECTED OUTCOME AND GOAL

- Expected Outcome

The human, economic and environmental risks and impacts of disasters are prevented and reduced through the use of geospatial information and services

- Goal

Quality geospatial information and services are available and accessible in a timely and coordinated way to support decision-making and operations within and across all sectors and phases of the emergency cycle



GUIDING PRINCIPLES

2030 Agenda for Sustainable Development

International Strategy for Disaster Reduction

Sendai Framework for Disaster Risk Reduction 2015-2030

UN General Assembly resolution on international cooperation on humanitarian assistance in the field of natural disasters

Open data

National spatial data infrastructure

UN-GGIM's Statement of Shared Principles for the Management of Geospatial Information



PRIORITIES FOR ACTION

Taking into account the result of the fact finding analysis and the review of existing frameworks, laws, policies and regulations, and pursuant to the expected outcome and goal, there is a need for a collaborative and coordinated approach within and across sectors in Member States in implementing the following five priorities for action:

Priority 1: Governance and Policies;

Priority 2: Awareness Raising and Capacity Building;

Priority 3: Data Management;

Priority 4: Common Infrastructure and Services; and

Priority 5: Resource Mobilization.



Priority 1: Governance and Policies

Policies, collaborative agreements and legal frameworks aimed at improving the availability and accessibility of quality geospatial information and services among all stakeholders and partners established and implemented in all phases of DRRM



- **National and Local Levels**

In implementing the framework, it is important:

- To identify the entity that will oversee the implementation of the five priorities for action and ensure an inclusive participation of all stakeholders and key partners
- To regularly assess the situation relative to the availability and accessibility of quality geospatial information and services
- Based on the results of the assessment, to develop and implement plans and programs aimed at establishing or strengthening the availability and accessibility of quality geospatial information and services across all phases of the DRRM



- **National and Local Levels**

In implementing the framework, it is important:

- To develop and implement the necessary policies to bind all efforts in a systematic and consensus-based roadmap
- To establish a comprehensive monitoring and evaluation scheme to continuously support and further improve both the national and institutional plans and programs as well as ensure that geospatial information and services are aligned with changing needs and priorities



- **Global and Regional Levels**

In implementing the framework, it is important:

- To encourage collaboration and coordination between the government agencies and humanitarian and response communities
- To promote mutual learning and exchange of good governance practices and policies among Member States
- To provide effective channels where Member States and other stakeholders can mobilize technical knowledge and necessary resources



ROLE OF STAKEHOLDERS

- Member States should be in the position to generate, maintain and provide quality geospatial information and services across all phases of the emergency cycle.
- Specific roles and responsibilities for:
 - Civil Society Groups, Volunteer Organizations and other Community-Based Organizations
 - Private Sector
 - Academe, Scientific and Research Entities and Networks
 - Media
- Support from International Organizations, including UN-GGIM, UN Agencies and international funding institutions



IMPLEMENTATION

- General Considerations
 - Importance of geospatial information and services across all phases of the emergency cycle
 - Strategies of Member States to better manage geospatial information and services
 - Recognition of international cooperation as a vital input
- Means of Implementation – specific actions on how to implement the strategic framework



Follow-up Actions

- The strategic framework shall be presented and approved during the **Sixth Session of UN-GGIM** on August 2016.
- It is recommended for the UN-GGIM Committee to refer and have the final strategic framework adopted by the **ECOSOC** and the **GA**.



ACTIVITY	Mar	Apr	May	Jun	Jul	Aug	Sep
1. Integrate TT2 report on analysis of existing global, regional and national frameworks, laws, rules, policies and regulation into the Strategic Framework							
2. Discuss integrated report with Task Team 2							
3. Circulate first draft of the Strategic Framework to the WG members for comments							
4. Integrate comments from WG members							
5. Discuss comments on the Strategic Framework with WG members (via Webex)							
6. Prepare second draft of the Strategic Framework based on discussions with WG members							
7. Present the Status Report on (or seek approval of) the Strategic Framework during the 6 th UN-GGIM Committee Meeting							



ACTIVITY	Mar	Apr	May	Jun	Jul	Aug	Sep
8. Promote the Strategic Framework at the World Humanitarian Summit (Istanbul, Turkey)							
9. Integrate comments received from the humanitarian community							
10. Submit WG Status Report with the Strategic Framework to the UN-GGIM Secretariat							
11. Present the Status Report on the Strategic Framework during the 6 th UN-GGIM Committee Meeting							
12. Present the Strategic Framework in the proposed National Forum on Disasters (Barbados)							



Comments to Draft Strategic Framework

Draft is available at:

https://drive.google.com/folderview?id=0Bw82njQ_vEbxSzVJWjV3SVU2RzQ&usp=sharing_eid&ts=565624d9&tid=0Bw82njQ_vEbx2poUWdyYW9rZFU

Please send your comments to:

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Chief, UN Geospatial Information Section

And copy to:

Mr. Efren Carandang (epcarandang@namria.gov.ph)

Deputy Administrator, NAMRIA

(Representative of Co-Chairs Philippines)



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Thank you!



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