



Committee on Earth Observation Satellites

WGDisasters Virtual Meeting-16

UN-GGIM WG Disasters Update

Simone Lloyd, GISP
Jamaica Focal Point, UN-GGIM & Co-chair support, UN-GGIM WG Disasters
CARIGEO Steering Committee
Principal Director (Acting),
National Spatial Data Management Branch &
Land Information Council of Jamaica
Ministry of Housing, Urban Renewal, Environment & Climate Change
September 23, 2021





UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT
WG-Disasters

**United Nations Committee of
Experts on Global Geospatial
Information Management (UN-GGIM)
Working Group on Geospatial
Information and Services for
Disasters (WG-Disasters)**



- UN-GGIM WG Disasters meetings
- Caribbean Geoportal Webinar 2 - Disasters
- GEO Virtual Symposium 2021
- NASA Article Collaboration
- UN-GAR 2022 Background Paper
- OGC Disaster Pilot Project
- 11th UN-GGIM Session:
 - Side Events
 - Background Paper
- Future Plans:
 - DRR Surveys Administration
 - Strategic Framework
 - UN-GGIM WG-Disasters / GEO DRR WG Collaboration
 - UN-GGIM/GEO Collaboration

UN-GGIM WG Disasters meetings



- Last general meeting - June 16, 2021
 - CEOS WG Disasters & GEO DRR representative - Dave Borges
 - GEO DRR Update presentation delivered by Dave
- Next general meeting - October 2021
 - CEOS WG Disasters Update presentation to be delivered by Dave

GEO Disaster Risk Reduction WG

UN-GGIM WG-Disasters June Meeting

Dave Borges
GEO DRR WG Co-Chair
Physical Scientist
NASA Applied Sciences Disasters Program
16 JUNE 2021

Caribbean Geoportal Webinar 2 - Disasters



CEOS



CARIGEO

Caribbean Geospatial
Development Initiative

GEO-EMPOWERING THE CARIBBEAN

an Initiative implemented by the Americas Regional Committee of
United Nations Committee of Experts on Global Geospatial
Information Management (UN-GGIM: Americas)



CEOS

CARIGEO Caribbean Geoportal



Caribbean GeoPortal

<https://www.caribbeangeoportal.com/>



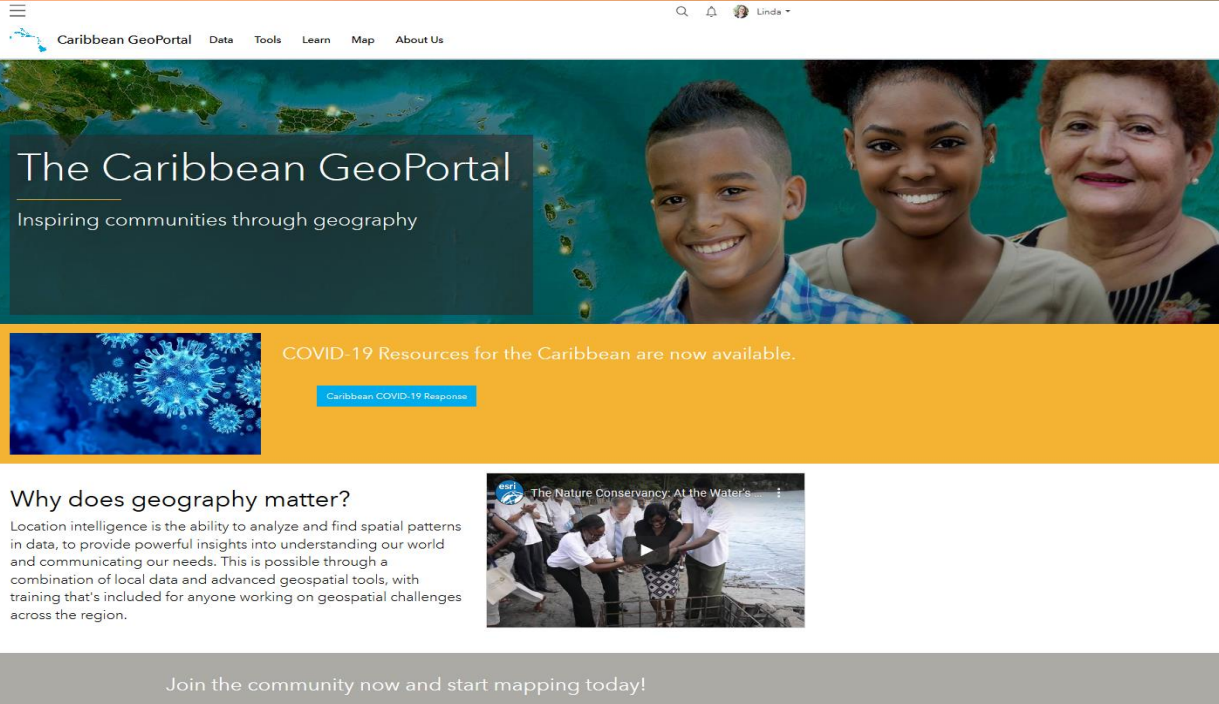
“

We are deeply committed to supporting innovation in the Caribbean, helping users discover, explore, and understand the vast information available to them through the power of maps

”

Jack Dangermond

President and Founder of Esri



The screenshot shows the homepage of the Caribbean GeoPortal. At the top, there is a navigation bar with a menu icon, the text 'Caribbean GeoPortal', and links for 'Data', 'Tools', 'Learn', 'Map', and 'About Us'. A search bar and a user profile icon labeled 'Linda' are also present. The main banner features a map of the Caribbean and a group of diverse people. The text on the banner reads 'The Caribbean GeoPortal' and 'Inspiring communities through geography'. Below the banner, there is a yellow section with a blue virus icon and the text 'COVID-19 Resources for the Caribbean are now available.' with a button labeled 'Caribbean COVID-19 Response'. Further down, there is a section titled 'Why does geography matter?' with a paragraph of text and a small image of people working together. At the bottom, there is a grey bar with the text 'Join the community now and start mapping today!'.



Webinar #1:

**Learn How You Can Use
the Caribbean GeoPortal**
(April 21, 2021)

Webinar #2:

**Leveraging the Caribbean
GeoPortal for Disaster
Planning and Management**
(June 22, 2021)

Webinar #3:

**Metadata, Maintenance &
Best Practices on Data
Sharing**
(September 21, 2021)

Webinar#1 recording:

https://www.youtube.com/watch?v=h8-C_wNhpkE&t=6s

“Webinar 2: Caribbean Geoportal – Disasters”

- Collaboration with UN-GGIM: Americas’ Caribbean Geospatial Development Initiative (CARIGEO) Project hosted **“WEBINAR 2: CARIGEO Caribbean Geoportal Webinar 2: “Leveraging the Caribbean Geoportal for Disaster Planning and Management”** on June 16, 2021, focused on using the geoportal to aid preparations, mitigation strategies and response to hurricanes and tropical storms during 2021 Atlantic Hurricane season.
 - Geoportal facilitates **data sharing, analytical tools and web services freely available** for anyone doing work in the Caribbean. **Open data hosting** for governments that want to contribute their data to the community at no cost. These functions support disaster and other initiatives within Caribbean.
 - Key Focus - **Forging of partnerships and collaborations** to support upload and maintenance of EO and other geospatial information and products on the portal for use by Caribbean countries.
 - ESRI is a member of the CARIGEO Steering Committee. CARIGEO Geoportal was built by ESRI on its ArcGIS platform to support geospatial initiatives within the region.

“Webinar 2: Caribbean Geoportal - Disasters”



Using the Caribbean GeoPortal for Disaster Management and Response



Caribbean GeoPortal



UN-GGIM WG on Geospatial Information and Services for Disasters (WG-Disasters)

CARIGEO Caribbean Geoportal Webinar 2: “Leveraging the Caribbean Geoportal for Disaster Planning and Management”

June 22, 2021
10:00 – 12:00 pm (EST)

Simone Lloyd, GISP
Senior GIS Manager & Trainer, National Spatial Data Management Branch
Jamaica Co-chair support, UN-GGIM WG Disasters &

- Webinar recording available via: <https://www.youtube.com/watch?v=seekUoKUTIA>
- WG Disasters presentation available via: http://ggim.un.org/documents/Caribbean_Geoportal_Webinar2.pdf

“Webinar 2: Caribbean Geoportal – Disasters”



- NASA presentations delivered on the focused on “**NASA Data Products**” available on the CARIGEO Geoportal :
 - Mr. Jeremy Kinkendall
 - Mr. Garrett Lane
- Webinar achieved the following:
 - Examined how best the Caribbean Geoportal can help persons within the region to become **better prepared and take action in disaster planning**, especially given the threats posed by the Atlantic Hurricane Season (June - November)
 - Examined **data needs for various hazards and their availability** on the geoportal
 - **Types of data accessible**, including NASA and NOAA featured datasets to help us understand issues of **precipitation, soil moisture, flooding, cyclones, hurricanes, earthquakes** etc.
 - Special focus was placed on the St. Vincent & the Grenadines Volcanic eruption and its impact on SVG and Barbados (ashfall) and use of GIS and other forms of geospatial technology.

NASA Data Products

Jeremy Kirkendall, Garrett Layne, Robert Emberson, Sean McGinnis

GEO Virtual Symposium 2021





GEO VIRTUAL SYMPOSIUM 2021

Expanding Data Democracy for Disaster Resilience: UN-GGIM WG Disasters & UN-GGIM-Americas CariGEO

Simone Lloyd, GISP
Senior GIS Manager & Trainer, National Spatial Data Management Branch
Jamaica Co-chair support, UN-GGIM WG Disasters & Jamaica Focal Point, UN-GGIM CARIGEO Steering Committee

SENDAI FRAMEWORK FOR DISASTER RISK REDUCTION

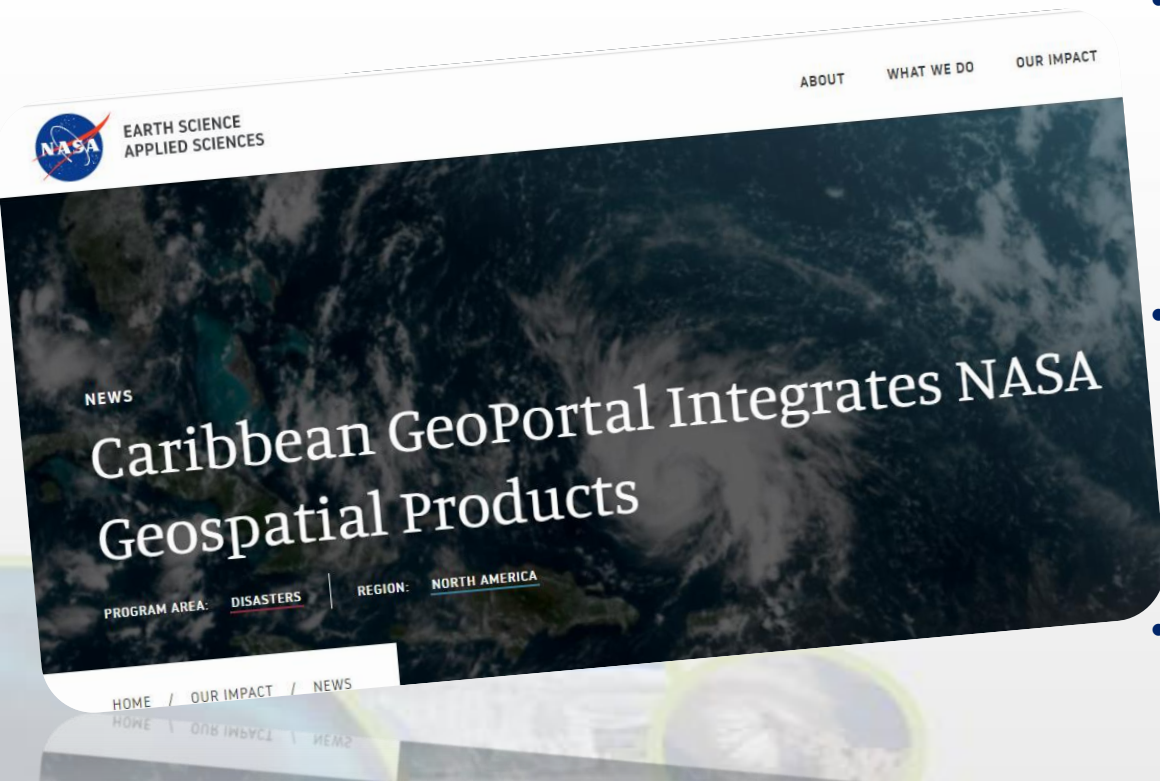
PARALLEL SESSION: GEO Strategies, Partnerships and Services for Disaster Risk Reduction

Tuesday June 22, 2021

- The Working Group delivered a presentation on “Expanding Data Democracy for Disaster Resilience: UNGGIM WG Disasters & UN-GGIM Americas CariGEO” during the GEO Virtual Symposium 2021 on June 22, 2021.
- This presentation examined data democracy for disaster resilience, the mandate of the Working Group, its Strategic Framework, the disaster vulnerability levels of the Caribbean region, the CARIGEO initiative and collaborations with CARIGEO and NASA, including the hosting of a webinar to raise awareness of how the Caribbean Geoportal, as a geospatial service can significantly aid disaster response efforts in the region by hosting geospatial information and facilitating the provision of analytical tools that will aid decision making.
- http://ggim.un.org/documents/GEO_Virtual_Symposium_2021_S.Lloyd.pdf

NASA Article Collaboration





Article available via:

<https://appliedsciences.nasa.gov/our-impact/news/caribbean-geoportal-integrates-nasa-geospatial-products>

- The Working Group collaborated with NASA and CARIGEO in facilitating the development of an article published by NASA entitled “Caribbean GeoPortal Integrates NASA Geospatial Products”.
- This article provides background and context on the heightened tectonic and tropical cyclone setting of the Caribbean region and associated hazards that annually impact these countries.
- The article focused on building awareness of the Caribbean GeoPortal, its development, purpose, functionalities and potential areas for use. Special focus was placed on how the geoportal can significantly aid DRR/DRM initiatives throughout the region, given the provision of geospatial information and tools that can significantly aid the decision making process.

UN-GAR 2022 Background Paper



Contribution Paper: UN-GAR 2022 Background Paper



- The CEOS Working Group Disasters had invited the Working Group to collaborate in producing a chapter/section on “Earth Observations in the Context of National Risk Reduction Decision Structures Leveraging Geospatial Solutions” of the “UN Global Assessment Report 2022 Earth Observations into Action” publication.
- A five-page document was drafted and submitted in February 2021 as the WG’s contribution.
- Recently Dave Borges advised that the finalized contributing paper was accepted and will be published in 2022 when the UNDRR releases the Global Assessment Report on Disaster Risk Reduction (GAR) 2022.
- UN-GGIM WG Disasters extends congratulations to all members of the CEOS & GEO DRR WG Disasters who contributed their time and effort in producing the paper and are very pleased to know that it has been accepted. WG expressed how great it was working together to make this very worthwhile contribution possible.
- Special commendations are extended to Dave Borges for his valiant leadership throughout the process, with many reminders and reviews facilitated.

OGC Disaster Pilot Project and Stakeholder Community Coordination Group (SCCG):

- Participation in the Open Geospatial Consortium (OGC) Disaster Pilot Project is the most recent activity of the Working Group.
- An invitation was extended by CEOS and OGC for the Working Group to become a part of a Stakeholder Community Coordination Group (SCCG) associated with the OGC Disaster Pilot 2021 initiative which is currently underway.
- Working Group is a signed and confirmed Observer to the OGC Disaster Pilot project and has been attending all meetings and contributing as required.
- The Coordination Group will serve to inform the stakeholder community of the objectives, progress and outcomes of the Pilot. More importantly, the SCCG will be a forum for members of the stakeholder community to help inform the Pilot process in terms of community requirements, new sources of data for potential use in the pilot, and coordination of demonstrations and evaluations of resulting capabilities.
- It is believed that by directly engaging the stakeholder community in this way, useful technology and interoperability advancements we can be transitioned to practical implementation more quickly

11th UN-GGIM Session





- 11th Session of UN-GGIM
 - Held virtually over three days as 2-hour meetings
 - Dates: August 23, 24 & 27, 2021
 - All reports, background papers, written and oral statements, decisions etc. are accessible via: <https://ggim.un.org/meetings/GGIM-committee/11th-Session/documents/>



Side Events:

- Prior to 11th Session, side events were held August 10 - 20, 2021
- All concept notes, presentations, recordings etc. are accessible via: https://ggim.un.org/meetings/GGIM-committee/11th-Session/side_events/calendar.cshtml

UN-GGIM WG Disasters involvement:

- **UN-GGIM Academic Network Side Event**
 - Held - August 18, 2021
 - Theme: “Education and capacity development to support Global Geospatial Information Management”
 - Panelist contribution - Jamaica Co-chair, Ms. Michelle Edwards

Eleventh Session of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM)

Virtual
23, 24, and 27 AUGUST 2021

10 August (Tuesday)

11 August (Wednesday)

12 August (Thursday)

16 August (Monday)

17 August (Tuesday)

18 August (Wednesday)

19 August (Thursday)

20 August (Friday)

18 August (Wednesday)

06:00 - 07:45 am (EDT)

[Education and capacity development to support Global Geospatial Information Management](#)

UN-GGIM Academic Network

[> Concept Note and Registration](#)
[> Side event introduction](#)
[> AN Update](#)
[> Powerpoint presentation](#)

19 August (Thursday)

06:00 - 07:45 am (EDT)

[Strategic Framework on Geospatial Information and Services for Disasters Assessment Survey - Results & Way Forward](#)

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

[> Concept Note and Registration](#) [> Flyer](#) [> Recording](#)

Presentation materials: [Overview of the Strategic framework – Philippines](#) | [COVID vaccine support for South Sudan – MapAction](#) | [Assessment Results 2020 – Jamaica](#)

- **UN-GGIM WG Disasters - Strategic Framework Side Event:**

- Held - August 19, 2021
- Focus: results of the globally administered Strategic Framework on Geospatial Information and Services for Disasters Assessment Survey, as presented in the background paper submitted to the eleventh session entitled “**Assessment 2020 Results - Strategic Framework on Geospatial Information & Services for Disasters**”.



- **11th Session Submissions:**
 - Agenda Item #10 - Geospatial Information and Services for Disasters**
 - Annual Report (September 2020 - July 2021)
 - Introductory Statement
 - Three year Workplan (2020-2023)
 - Background Paper
 - Entitled: “Assessment 2020 Results - Strategic Framework on Geospatial Information & Services for Disasters”.
- <https://ggim.un.org/meetings/GGIM-committee/11th-Session/documents/>

Agenda item #10

■ E/C.20/2021/11 - Geospatial information and services for disasters

- ▶ E/C.20/2021/11 - Summary [Arabic](#) [Chinese](#) [English](#) [French](#) [Russian](#) [Spanish](#)
- ▶ E/C.20/2021/11/Add.1 (revised) [Report](#)
- ▶ [Introductory statement](#)
- ▶ Background document
 - ▶ Work Plan 2020 - 2023
 - ▶ Strategic Framework Assessment Results 2020 (draft)
- ▶ [Proforma for submission of written statement for Agenda item #10](#)



Decision 11/108 - Geospatial information and services for disasters:

- Noted the continued efforts and commitment of the Working Group to **promote the importance of geospatial information and services in disaster risk reduction and management** and the work towards **implementing the Strategic Framework** on Geospatial Information and Services for Disasters, especially its relevance during the ongoing **COVID-19 pandemic** and the resultant need for a **multi-hazard response approach by Member States and DRRM-related organizations** in addressing the pandemic and other hazards.
- Appreciated the preparation of the **Working Group's Work Plan 2020-2023** and endorsed its implementation.
- Congratulated the Working Group for successfully undertaking its **many activities in raising awareness on the Strategic Framework, inclusive of the enhanced engagement and collaboration with multiple key stakeholder groups** and international organizations, especially the recent Open Geospatial Consortium's Disaster Pilot project 2021, and the Working Group's contribution to the United Nations Office for Disaster Risk Reduction (UNDRR) Global Assessment Report 2022, all which ensures consistent communication and coherence, avoidance of duplication of effort, and creates synergies among the many groups and organizations undertaking disaster risk reduction.
- Welcomed the Working Group's support for the development of a statistical framework on disaster-related statistics and appreciated the establishment of the **Inter-Agency and Expert Group on Disaster Related Statistics (IAEG-DRS)**.
- https://ggim.un.org/meetings/GGIM-committee/11th-Session/documents/Eleventh_Session_Informal_Paper%20containing_draft_decisions_with_proposed_refinements.pdf




Decision 11/108 - Geospatial information and services for disasters:

- Supported the development of a **global disaster risk reduction inventory on organizations, services and platforms**, and invited Member States, disaster risk reduction and management organizations and relevant academia, private sector and UN System organizations, to participate in the global administration of the developed inventory surveys, and further invited the Working Group to include existing datasets and platforms in the inventory, and examine potential linkages with developments of the Group on Earth Observations (GEO) Disaster Risk Reduction Working Group (Earth Observation Risk Toolkit) and other DRRM initiatives, in an effort to create synergies and cooperation.
- Acknowledged the importance of the results and recommendations included in the **'Assessment 2020 Results - Strategic Framework on Geospatial Information and Services for Disasters'** as a tool to assist the Working Group to better understand the status of the national geospatial information and services landscape across all phases of disasters, and noted that the **differences between countries and regions need to be addressed** and **recommends that further capacity building and outreach efforts** be pursued to enhance the implementation of the Strategic Framework; additionally noted the low response from Africa and non-response from Arab States and therefore recommends reopening the Assessment survey to both regions towards providing another opportunity for completion and the subsequent development of a second edition of the Assessment 2020 Results document that would better facilitate a global monitoring of the Strategic Framework's implementation.
- [https://ggim.un.org/meetings/GGIM-committee/11th-Session/documents/Eleventh Session Informal Paper%20containing draft decisions with proposed refinements.pdf](https://ggim.un.org/meetings/GGIM-committee/11th-Session/documents/Eleventh%20Session%20Informal%20Paper%20containing%20draft%20decisions%20with%20proposed%20refinements.pdf)

**Background Paper:
“Assessment 2020 Results -
Strategic Framework on
Geospatial Information &
Services for Disasters”**



- **Background Paper: “Assessment 2020 Results - Strategic Framework on Geospatial Information & Services for Disasters”.**
- <https://ggim.un.org/meetings/GGIM-committee/11th-Session/documents/Assessment-Results-2020-Strategic-Framework-dr.1.pdf>
- Global Administered Assessment Survey (July - Oct 2020)



Strategic Framework on Geospatial Information and Services for Disasters

ASSESSMENT SURVEY

The Working Group on Geospatial Information and Services for Disasters (WG-Disasters) of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) has formulated a Strategic Framework on Geospatial Information and Services for Disasters which has been adopted by the Committee of Experts in August 2017, and by the United Nations Economic and Social Council (ECOSOC) on 2 July 2018. The Framework aims to guide Member States and other stakeholders in making available and accessible all quality geospatial information and services before, during and after disaster events. More about the Framework is available at this link -http://ggim.un.org/documents/UN-GGIM_Strategic_Framework_Disasters_final.pdf.

In view of this, the WG-Disasters is conducting an Assessment Survey that will help gauge the level and status of implementation of geospatial information and services for disasters initiatives relative to the Strategic Framework among Member States. The Survey aims to understand the national geospatial information and services landscape across all phases of disasters within Member States. Alternatively, the tool can be used by Member States to better develop their national implementation plans for geospatial information and services in support of disaster risk reduction and management (DRRM).

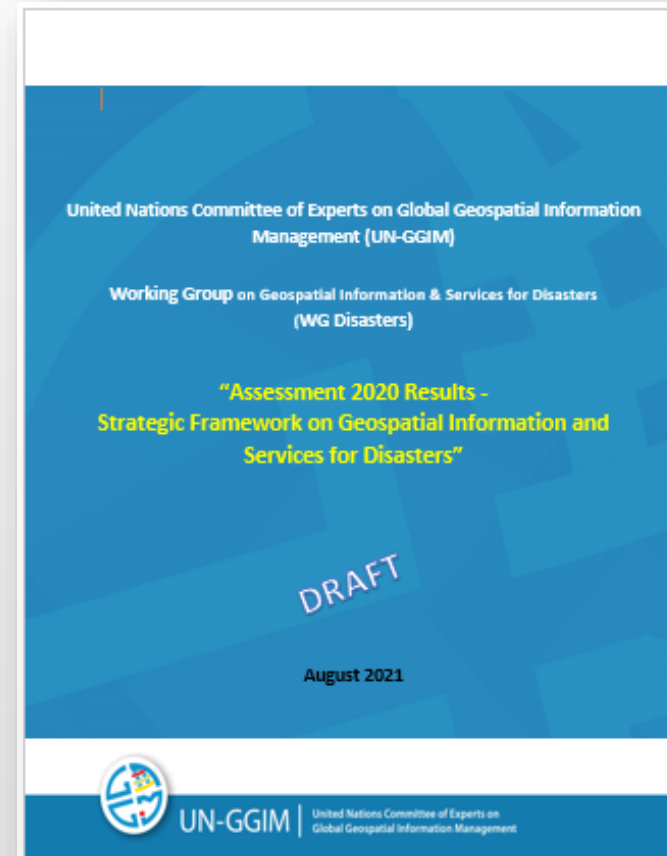
The Survey will require approximately 30-45 minutes to complete. It is intended to be accomplished by the representative of each Member State in the WG-Disasters or the designated focal organization that has the mandate for national DRRM. While the Survey intends to capture national perspective, the views and opinions of other national government agencies, sub-national government units, private sector and other stakeholders in DRRM is encouraged in order to aid Member States in preparing an integrated national assessment.

The activities in each priority area will be rated using the rating scale. It is important that the assessment be made in reference to established policies, infrastructures, systems or procedures in the national context and NOT at the organizational level. As assessments may be based on perception, additional remarks, and supporting document/s may be attached or provided to make the results as factual as possible. We commit to ensuring that all personal information will be treated with utmost confidentiality.

* Required


BACKGROUND INFORMATION

1. Full Name *





- The survey was prepared as an online form and circulated to the UN-GGIM Member States, and observers in June 2020, with a completion deadline of 2nd October 2020.



Strategic Framework on Geospatial Information and Services for Disasters ASSESSMENT SURVEY

The Working Group on Geospatial Information and Services for Disasters (WG-Disasters) of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) has formulated a Strategic Framework on Geospatial Information and Services for Disasters which has been adopted by the Committee of Experts in August 2017, and by the United Nations Economic and Social Council (ECOSOC) on 2 July 2018. The Framework aims to guide Member States and other stakeholders in making available and accessible all quality geospatial information and services before, during and after disaster events. More about the Framework is available at this link <http://ggim.un.org/documents/UN-GGIM_Strategic_Framework_Disasters_final.pdf>.

In view of this, the WG-Disasters is conducting an Assessment Survey that will help gauge the level and status of implementation of geospatial information and services for disasters initiatives relative to the Strategic Framework among Member States. The Survey aims to understand the national geospatial information and services landscape across all phases of disasters within Member States. Alternatively, the tool can be used by Member States to better develop their national implementation plans for geospatial information and services in support of disaster risk reduction and management (DRRM).

The Survey will require approximately 30-45 minutes to complete. It is intended to be accomplished by the representative of each Member State in the WG-Disasters or the designated focal organization that has the mandate for national DRRM. While the Survey intends to capture national perspective, the views and opinions of other national government agencies, sub-national government units, private sector and other stakeholders in DRRM is encouraged in order to aid Member States in preparing an integrated national assessment.

The activities in each priority area will be rated using the rating scale. It is important that the assessment be made in reference to established policies, infrastructures, systems or procedures in the national context and NOT at the organizational level. As assessments may be based on perception, additional remarks, and supporting document/s may be attached or provided to make the results as factual as possible. We commit to ensuring that all personal information will be treated with utmost confidentiality.

* Required

BACKGROUND INFORMATION

1. Full Name *

Enter your answer

UN-GGIM Strategic Framework on Geospatial Information and Services for Disasters ASSESSMENT SURVEY

The Working Group on Geospatial Information and Services for Disasters (WG-Disasters) of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) has formulated a Strategic Framework on Geospatial Information and Services for Disasters which has been adopted by the Committee of Experts in August 2017, and by the United Nations Economic and Social Council (ECOSOC) on 2 July 2018. The Framework aims to guide Member States and other stakeholders in making available and accessible all quality geospatial information and services before, during and after disaster events. More about the Framework is available at this link <http://ggim.un.org/documents/UN-GGIM_Strategic_Framework_Disasters_final.pdf>.

In view of this, the WG-Disasters is conducting an Assessment Survey that will help gauge the level and status of implementation of geospatial information and services for disasters initiatives relative to the Strategic Framework among Member States. The Survey aims to understand the national geospatial information and services landscape across all phases of disasters within Member States. Alternatively, the tool can be used by Member States to better develop their national implementation plans for geospatial information and services in support of disaster risk reduction and management (DRRM).

The Survey will require approximately 30-45 minutes to complete. It is intended to be accomplished by the representative of each Member State in the WG-Disasters or the designated focal organization that has the mandate for national DRRM. While the Survey intends to capture national perspective, the views and opinions of other national government agencies, sub-national government units, private sector and other stakeholders in DRRM is encouraged in order to aid Member States in preparing an integrated national assessment.

The activities in each priority area will be rated using the rating scale shown in the table below. It is important that the assessment be made in reference to established policies, infrastructures, systems or procedures in the national context and NOT at the organizational level. As assessments may be based on perception, additional remarks, and supporting document/s may be attached or provided to make the results as factual as possible. We commit to ensuring that all personal information will be treated with utmost confidentiality.

Category	Description
4	The initiative is fully implemented in my country
3	The initiative is currently being implemented in my country, with minor tasks still need to be done
2	The initiative is currently being implemented in my country, with major tasks still need to be done
1	The initiative is not yet implemented in my country
0	Unaware of the initiative, and its implementation in my country

Your usual cooperation will be highly acknowledged. Thank you!

Co-Chairs, WG-Disasters



Assessment Survey Structure



Five Priorities for Action



Governance
and Policies



Awareness Raising
and Capacity Building



Data
Management



Common Infrastructure
and Services



Resource
Mobilization

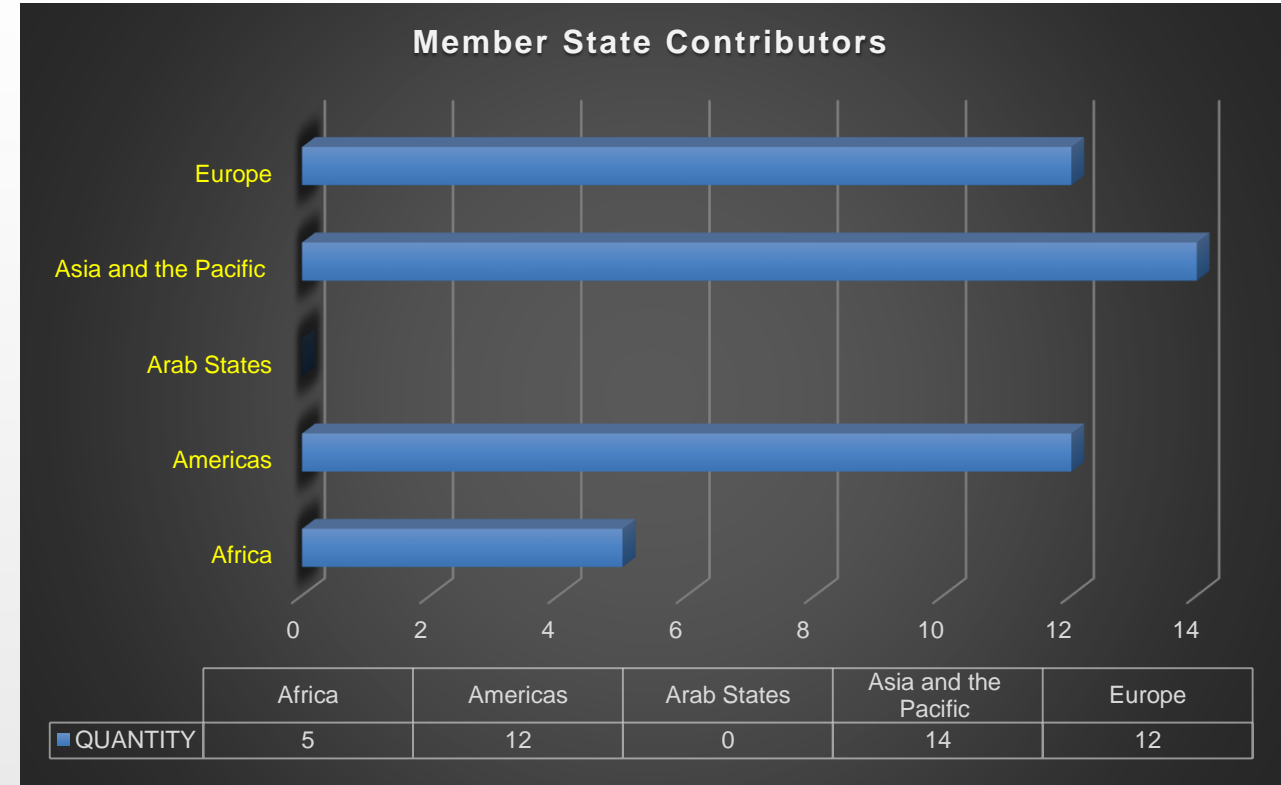
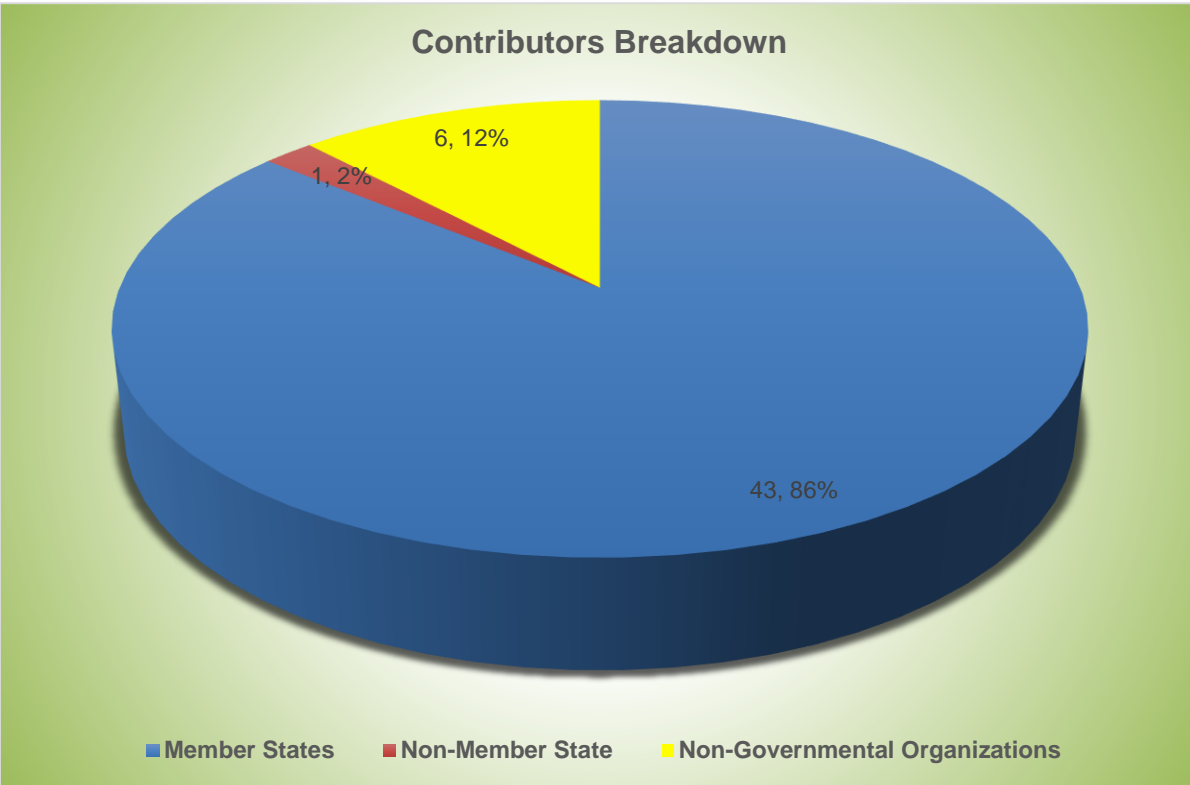
Advance the use
of Geographic
information to
support **Disaster
Risk Reduction**
in the Member
States.

Assessment Survey Rating Scale

Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country



Analysis Process



The analysis was undertaken using the 43 responses from Member States and assessment executed for three regions namely the Americas, Europe and Asia and the Pacific. Analysis was not undertaken for Africa given the low number responses received that would not allow for a true representative sample and related results. No responses were received from the Arab States.



Assessment Survey



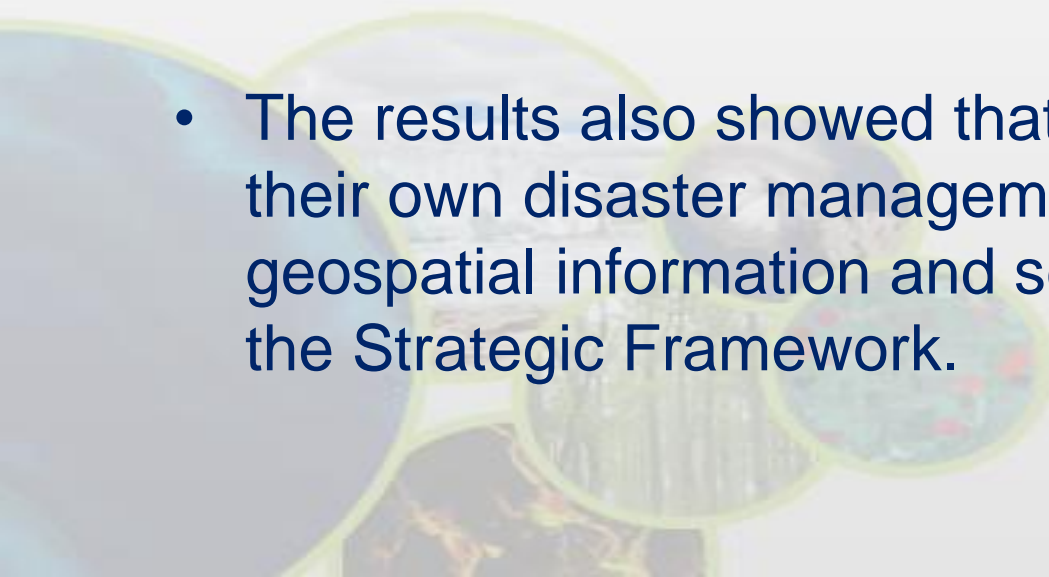
- The Assessment Survey comprised five chapters focusing on the respective priority areas and was further broken down to reflect 38 questions.
- Focus was however placed on carefully selected questions, given their level of importance and relevance. It was determined that apart from being highly relevant and important these core questions also influenced other questions.
- As such, detailed analysis was pursued for 19 questions or areas

Priority Area	Focus Areas
A	1. Political Support
	2. Financial Support
	3. Champion Identified
	4. Monitoring & Evaluation Program Implemented to track Country's Progress
B	1. Geospatial information and services are translated into easily understood strategies and tools
	2. GI & Services integrated in Academic Programs
	3. DRM-related researches using GI & Services are initiated and managed
	4. Training programs on the use of GI & Services
C	1. Existence of a common and accessible database system
	2. National and local DRM plans include hazard, vulnerability and disaster risk assessment maps, etc.
	3. A common contact database of national and local emergency responders
	4. Data management guidelines incorporates key factors
D	1. A common infrastructure and facility, particularly a national operations center is established
	2. A backup facility for online and offline access to geospatial data
	3. Interoperability of all systems and processes in DRM organizations
E	1. DRM organizations are sensitized on the necessity of funding GI & Services for DRM
	2. The private sector encouraged to invest in GI & Services for DRM
	3. Funding support easily accessible for implementation of the five priorities for action

Findings



- Based on the analysis, it was found that the DRM status across responding countries differed, as was expected.
- The differences also imply that Members States are at various phases of the Strategic Framework implementation.
- The results also showed that many countries had previously developed their own disaster management framework to enhance the use of geospatial information and services for disaster before becoming aware of the Strategic Framework.



Findings



- For **priority A**, governance and policy, most countries scored a high of four and five, which indicated currently being implemented and full policy and leadership support, open channels of communication and the plans and programs aiming at making available and accessible all quality geospatial information and services. On the other hand, scores for monitoring and evaluation program to track the country's progress, mutual learning and exchange of good practice and effective channels where Member States and others can share technical knowledge were relatively low.
- In terms of **priority B**, awareness raising and capacity building, there were no significant differences among the rating accorded to each question. It was also found that many countries had difficulties in encouraging active and inclusive role of media and benchmarking and cascading good practices from other Member States and institutions.

Findings



- For **priority C**, data management, almost half the responding countries, with a score of five or four, indicated having satisfactory implementation of common and accessible database systems of baseline geospatial information and services requirement, hazard, vulnerability and disaster risk assessment maps, and common contact databases of national and local emergency responders.
- In addition, the data showed relatively low scores for humanitarian profiling and incident scenario building, business use cases and data product template to aid decision making needs, integration of geospatial data and statistics in DRM plans and programs, in addition to adopting and cascading good practices from other Member States and international organizations locally.

Findings



- An analysis of the ratings accorded to the questions under priority D, common infrastructure and services, showed that many countries have a common infrastructure and facility such as a national operation's centre. However, in terms of interoperability of all systems and processes, integrity of established common infrastructures and services, and technical assistance from other Member States and international organizations received a relatively low score of one and two on the rating scale.
- For **priority E**, resource mobilization, the funding situation of the DRM organizations and academic institutions differed from country to country. However, it was found that encouraging the private sector to invest and ease of access to funding to support the five priorities for actions were accorded relatively low scores in many countries.

- The analysis showed that DRR related actions exist but are ad hoc, diffused, intermittent and not systematized in a roadmap. The integration of geospatial information including EO data for DRR needs further strengthening. Many countries have coordination and collaboration mechanisms led by a National Disaster Committee. These gaps and challenges provide opportunities for DRR bodies to collaborate with stakeholders towards improving their readiness in utilizing geospatial information and services for disasters.
- Additionally, the difficulty in advocating for the use of geospatial information, as many policy makers and stakeholders find it hard to understand geospatial information and related products. These gaps and challenges provide opportunities for DRR bodies to collaborate with countries towards improving their readiness in utilizing geospatial information and services for disasters.

- Working Group recognizes the need for forged synergies, collaboration and coordination through partnership between the National Disaster Agencies (NDA) and the National Geospatial Agencies. This approach is therefore highly recommended and encouraged to ensure the actioning of the Strategic Framework.
- Additionally, the Working Group encourages Member States who have made progress across the priority areas, to share their strategies and good practices employed for the various Strategic Framework priority initiatives with other Member States.

Future Plans

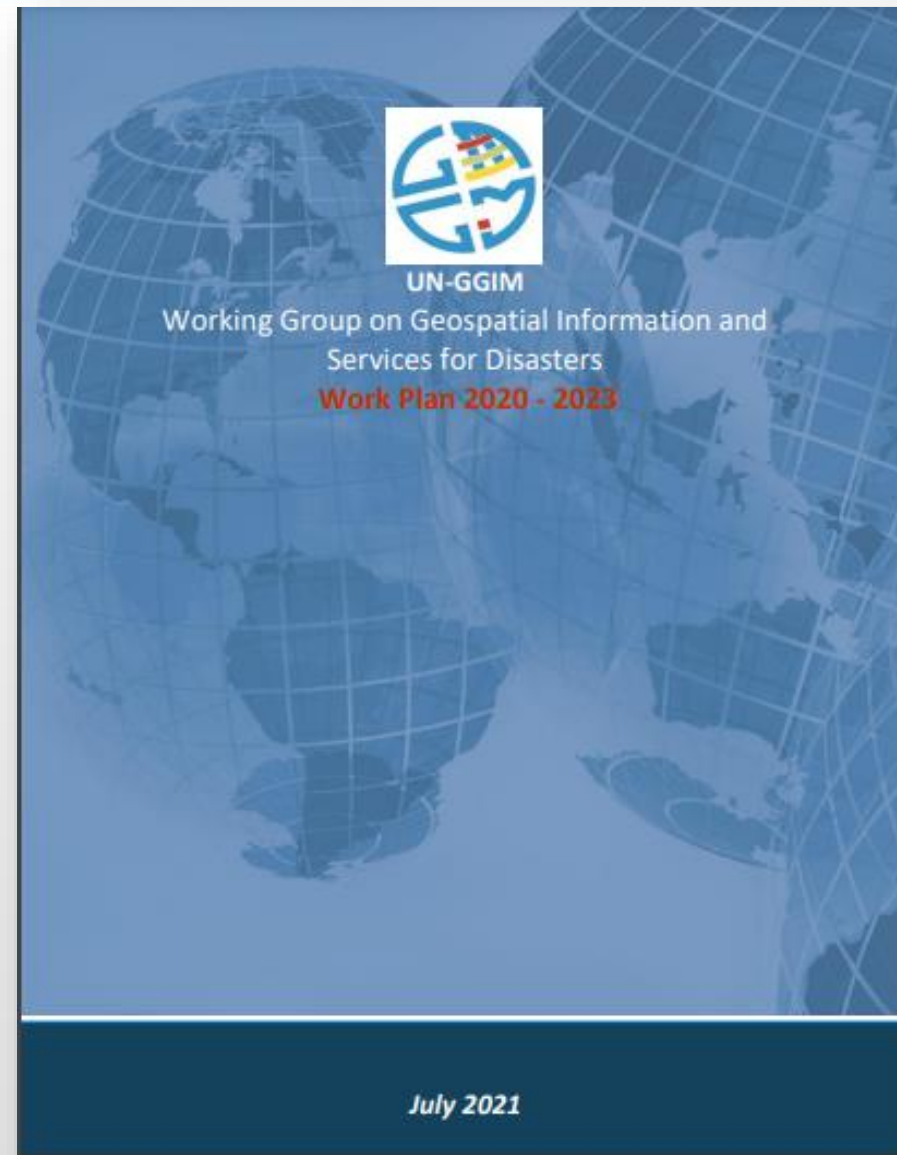
- Workplan Execution
- DRR Surveys Administration
- Strategic Framework & Assessment Survey
- UN-GGIM WG-Disasters / GEO DRR WG Collaboration
- UN-GGIM/GEO Collaboration



UN-GGIM WG Disasters Workplan 2020 - 2023 Execution

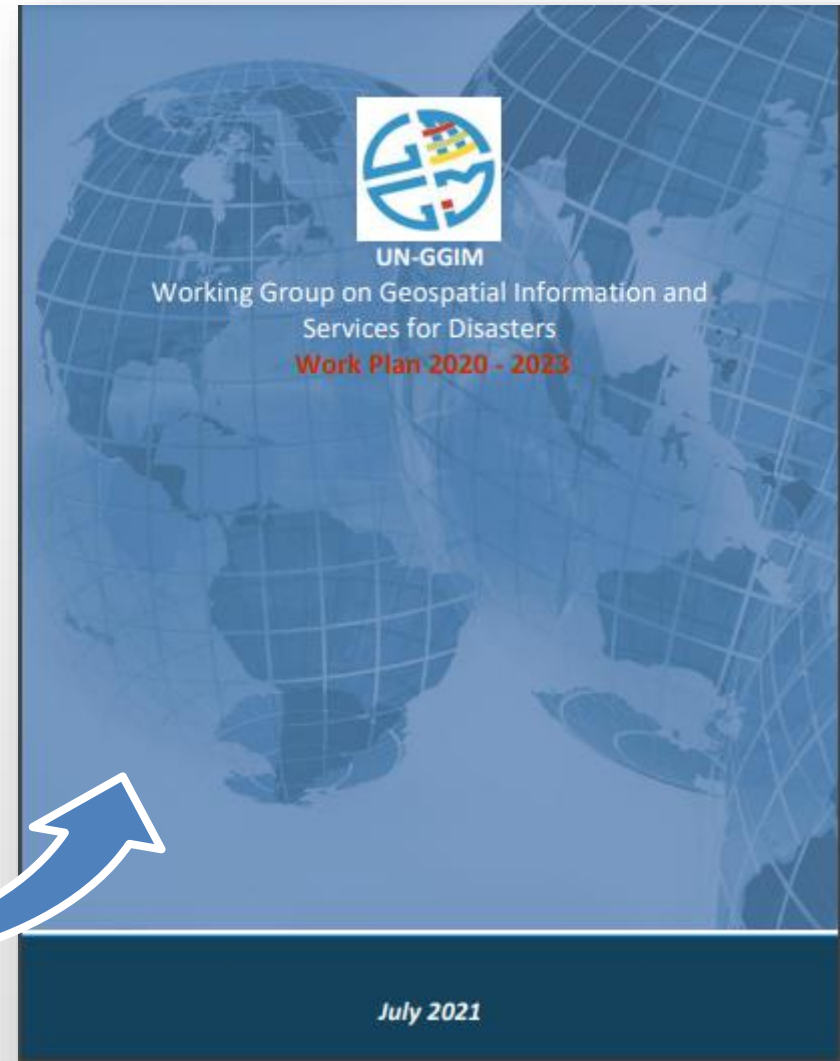
Table 1: Task Group Overview

Task Groups:	Lead	Aim	Membership
Task Group A. Implement and monitor the SF-GISD and administer the Assessment Tool	Jamaica	Initiate and support efforts to increase awareness and use of the Strategic Framework and its Assessment Tool. Support the administering of the tool, analysis of its results and encouraging advancement of the Member States through the priority area levels.	Japan, Jamaica, New Zealand, ESRI, UN-GGIM Academic Network
Task Group B. Design and implement scenario-based exercises on different hazards, including predictive modelling to test and improve the SF-GISD per country and or region	Japan	Share accurate and timely geospatial data to stakeholders involved in disaster management	China, Japan, Sweden, Uzbekistan, UNESCAP, UNITAR-UNOSAT, GEO DRR WG, CEOS WGDDisaster, MapAction, GeoThings, CSIRO
Task Group C. Foster communication and awareness raising	Jamaica	Initiate and support activities that foster greater communication and awareness of the work executed by the WG-Disasters.	Jamaica, Japan, UN-GGIM Academic Network, CIESIN, CEOS WGDDisaster, GEO DRR WG
Task Group D. Support the use of the Integrated Geospatial Information Framework	New Zealand	Support and encourage the use of the IGIF in the implementation of the SF-GISD	New Zealand, Japan, Mozambique, Philippines, Poland, Thailand, UNESCAP, GEO, GeoThings



GOAL 1	GOAL 2	GOAL 3	GOAL 4
Foster Communication and Awareness Raising	Implement the Strategic Framework for Disasters	Design and prepare scenario-based exercises on different hazards	Provide a forum for dialogue, coordination and capacity building

Table 1: Work plan Goals






- Future collaborations with CEOS WG Disasters & GEO DRR WG

GOAL 3: DESIGN AND PREPARE SCENARIO-BASED EXERCISES ON DIFFERENT HAZARDS

Tasks/Activities	Output/Deliverables	Responsibility	Time Frame	Rationale & Relevance
f) Promote, including through good practices and impact, sharing of data and knowledge to improve DRR.	<p>Scenario-based exercises on different hazards developed.</p> <p>UN-GGIM WG Disasters Functions.</p>	<p>Task Group B representative/s</p> <p>In collaboration with GEO DRR WG Subgroup 1/CEOS WG Disasters representative</p>		Facilitate sharing of best practices and scenario-based exercises including predictive modeling.



UN-GGIM
Working Group on Geospatial Information and
Services for Disasters
Work Plan 2020 - 2023

July 2021



- Future collaborations with CEOS WG Disasters & GEO DRR WG



UN-GGIM

Working Group on Geospatial Information and
Services for Disasters

Work Plan 2020 - 2023

July 2021

GOAL 3: DESIGN AND PREPARE SCENARIO-BASED EXERCISES ON DIFFERENT HAZARDS

Tasks/Activities	Output/Deliverables	Responsibility	Time Frame	Rationale & Relevance
g) Increase the use of Earth observation data for achieving the Sendai Framework's Global Target E, that is to substantially increase number of countries with national and local disaster risk reduction strategies.	Lessons learnt and data products platform developed.	In collaboration with GEO DRR WG Subgroup 2/CEOS WG Disasters representative.	Ongoing/annually	Promote partnership between governments and private sector on the use of data products platforms. Enhance awareness on the use of EO data for DRM.
h) Share existing thematically focused WG activities (geohazards, flood, landslides, seismic, wildfire, volcanoes, etc.) where Earth observations are being integrated, as well as geographic focus areas and relevant stakeholder agencies and organizations.	Database of WG activities by hazards and use developed.	Lead: Task Group C In collaboration with CEOS WG Disasters	Ongoing/annually	Document the use of data products platform for knowledge sharing.



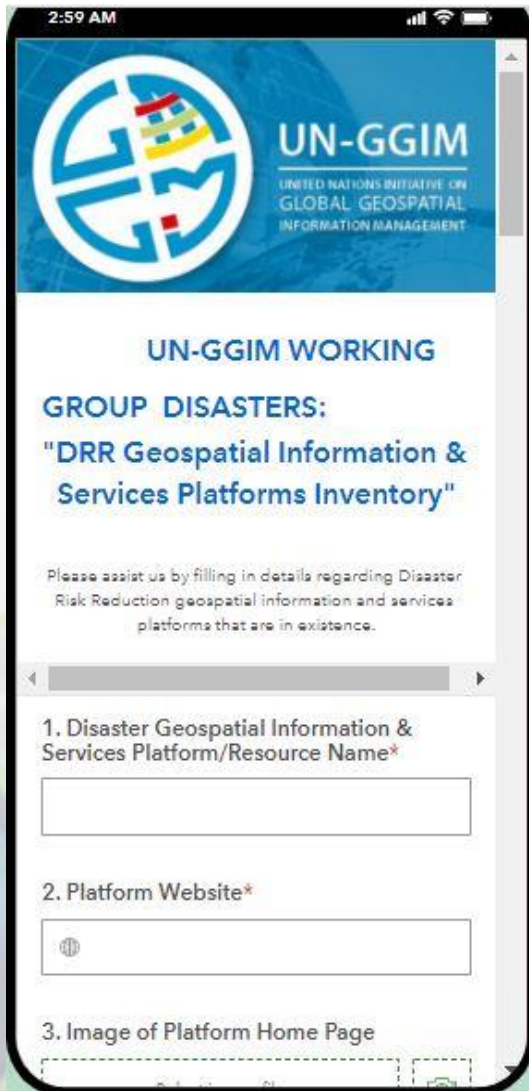
UN-GGIM

Working Group on Geospatial Information and
Services for Disasters


Work Plan 2020 - 2023

Future collaborations with CEOS WG Disasters & GEO DRR WG

GOAL 4: PROVIDE A FORUM FOR DIALOGUE, COORDINATION AND CAPACITY BUILDING				
Tasks/Activities	Output/Deliverables	Responsibility	Time Frame	Rationale & Relevance
e) Provide WG Disasters representation on Committee on Earth Observation Satellites (CEOS) WG Disasters.	CEOS WG Disasters meetings attended and action items executed.	Task Group A	As per scheduled meetings.	Facilitate information sharing among DRR bodies and beyond.
f) Provide WG Disasters representation on Open Geospatial Consortium (OGC) Disaster Pilot Project.	OGC Disaster Pilot Project meetings attended and action items executed.	Task Group A & B	As per scheduled meetings.	Facilitate information sharing among DRR bodies and beyond.
g) Provide WG Disasters representation on Inter Agency and Expert Group on Disaster-related Statistics (IAEG-DRS).	IAEG-DRS meetings attended and action items executed.	Task Group B	As per scheduled meetings.	Facilitate information sharing among DRR bodies and beyond.



2:59 AM

 UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

UN-GGIM WORKING
GROUP DISASTERS:
"DRR Geospatial Information &
Services Platforms Inventory"

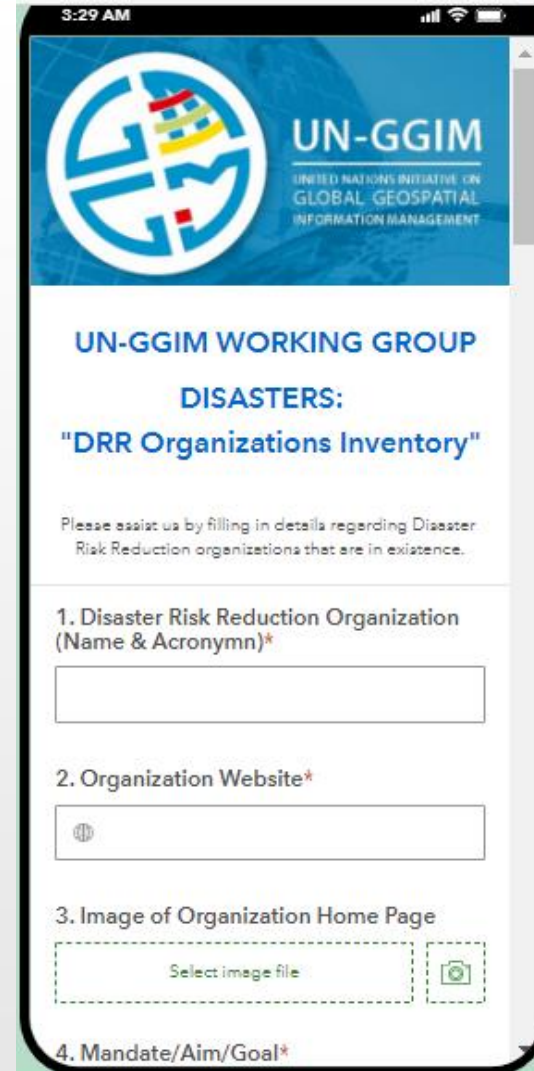
Please assist us by filling in details regarding Disaster
Risk Reduction geospatial information and services
platforms that are in existence.

1. Disaster Geospatial Information &
Services Platform/Resource Name*


2. Platform Website*

3. Image of Platform Home Page

<https://arcg.is/CKPOT>



3:29 AM

 UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

UN-GGIM WORKING GROUP
DISASTERS:
"DRR Organizations Inventory"

Please assist us by filling in details regarding Disaster
Risk Reduction organizations that are in existence.

1. Disaster Risk Reduction Organization
(Name & Acronym)*

2. Organization Website*

3. Image of Organization Home Page

4. Mandate/Aim/Goal*

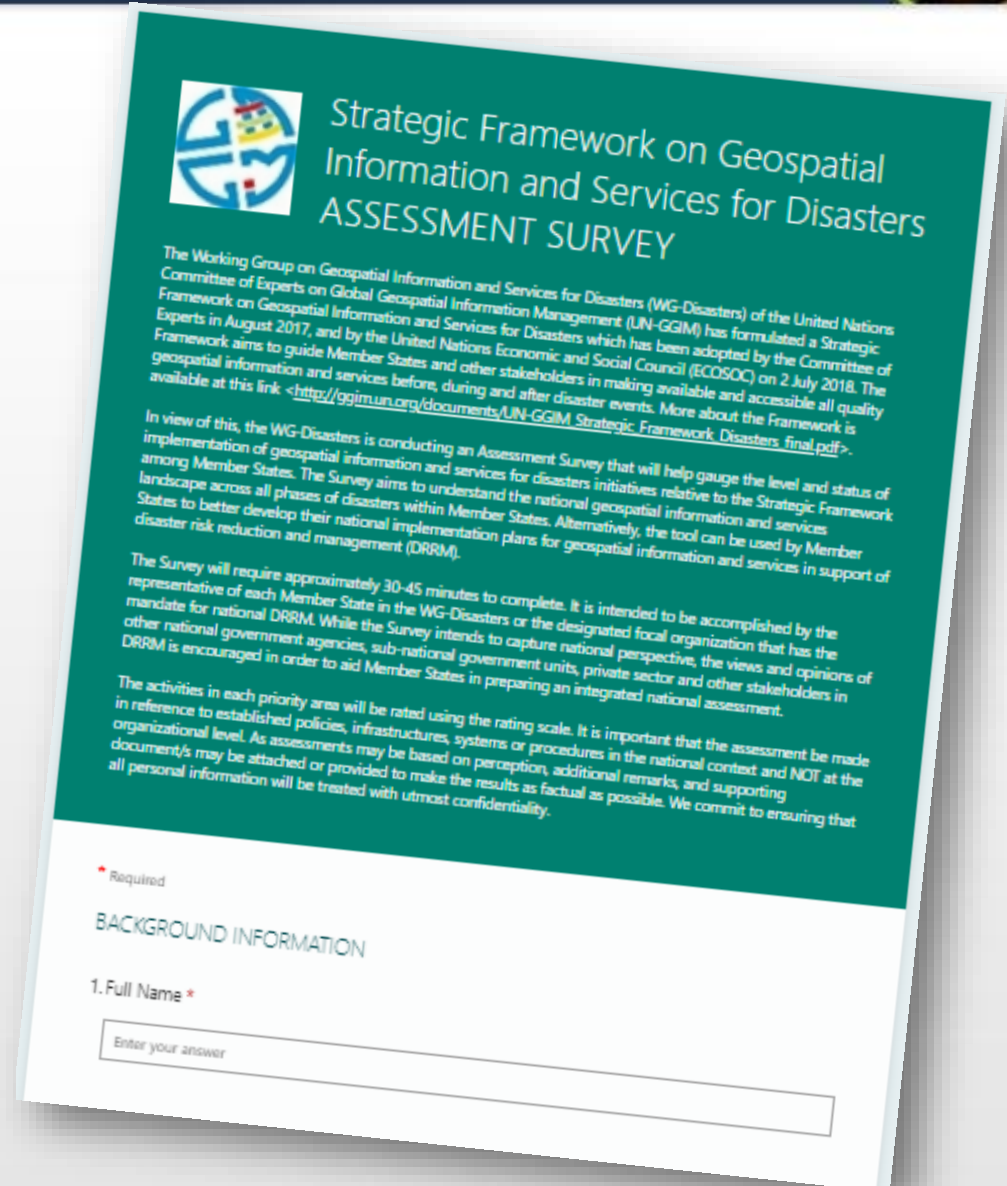
<https://arcg.is/1jfGji2>

- Two surveys were developed for administration to facilitate the development and maintenance of inventory hubs to be hosted on UN-GGIM WG Disasters webpage.
- Developed: June 2021

- Post 11th UN-GGIM Session – global administration of WG Disasters two (2) DRR Inventory surveys with support of UN-GGIM Secretariat (October 2021)
- Support of CEOS WG Disasters and GEO DRR WG Disasters with:
 - Completing and submitting the two (2) DRR Inventory surveys
 - Support maintenance of an **inventory of DRR bodies** facilitated for collaboration and coordination of efforts.
 - Support maintenance an **inventory of geospatial information and services platforms (including EO)** to support collaboration and coordination of efforts.

Strategic Framework – Assessment Tool

- Re-open the assessment tool for:
 - re-administration within the **Caribbean region** to support greater response, analysis of results, monitoring and implementation. Responses were analyzed with others of the Americas region, however would like to pursue greater examination for the sub-region.
 - re-administration in **Africa and Arab States** given very limited or no responses to support greater response, analysis of results, monitoring and implementation. This will be in collaboration with the United Nations Economic Commission for Latin America & the Caribbean (UNECLAC)



The Working Group on Geospatial Information and Services for Disasters (WG-Disasters) of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) has formulated a Strategic Framework on Geospatial Information and Services for Disasters which has been adopted by the Committee of Experts in August 2017, and by the United Nations Economic and Social Council (ECOSOC) on 2 July 2018. The Framework aims to guide Member States and other stakeholders in making available and accessible all quality geospatial information and services before, during and after disaster events. More about the Framework is available at this link <http://ggim.un.org/documents/UN-GGIM_Strategic_Framework_Disasters_final.pdf>.

In view of this, the WG-Disasters is conducting an Assessment Survey that will help gauge the level and status of implementation of geospatial information and services for disasters initiatives relative to the Strategic Framework among Member States. The Survey aims to understand the national geospatial information and services landscape across all phases of disasters within Member States. Alternatively, the tool can be used by Member States to better develop their national implementation plans for geospatial information and services in support of disaster risk reduction and management (DRRM).

The Survey will require approximately 30-45 minutes to complete. It is intended to be accomplished by the representative of each Member State in the WG-Disasters or the designated focal organization that has the mandate for national DRRM. While the Survey intends to capture national perspective, the views and opinions of other national government agencies, sub-national government units, private sector and other stakeholders in DRRM is encouraged in order to aid Member States in preparing an integrated national assessment.

The activities in each priority area will be rated using the rating scale. It is important that the assessment be made in reference to established policies, infrastructures, systems or procedures in the national context and NOT at the organizational level. As assessments may be based on perception, additional remarks, and supporting document/s may be attached or provided to make the results as factual as possible. We commit to ensuring that all personal information will be treated with utmost confidentiality.

* Required

BACKGROUND INFORMATION

1. Full Name *

Enter your answer

Collaboration Efforts

(Sept. & Oct. 2021)



- **UN-GGIM/GEO Collaboration**
 - September 24, 2021 - Meeting to examine UN-GGIM Workplan and identification potential collaboration areas between UN-GGIM WG Disasters and GEO DRR WG
 - Target: GEO DRR WG and UN-GGIM WG Disasters
- **UN-GGIM WG-Disasters / GEO DRR WG Collaboration**
 - October 4, 2021- Meeting to examine execution of [The Aguascalientes Declaration, “Better Together: Geospatial Information for decision making in the Americas”, September 2020](#) and other potential collaboration areas.
 - Target: GEO DRR WG, AmeriGEO, UN-GGIM WG Disasters and UN-GGIM: Americas WG Disasters and UN-GGIM: Americas secretariat.
- **UN-GGIM: Europe Regional Plenary session**
 - October 13/14, 2021 - UNGGIM WG Disasters presentation delivery



Thank You!





Simone Lloyd, GISP

Jamaica Co-chair support

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

Jamaica Focal Point, CARIGEO Steering Committee

&

Principal Director (Acting)

National Spatial Data Management Branch (NSDMB)

Land Information Council of Jamaica (LICJ)

Ministry of Housing, Urban Renewal, Environment & Climate Change (MHURECC),

Jamaica W.I

simone.lloyd@mhurecc.gov.jm