



UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

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

Online Meeting

11:00 am(UTC 0)

June 16th, 2021

UN-GGIM Working Group Disasters



“Accurate, timely and reliable geospatial information and services are available, in a coordinated way, to decision makers and operational leads prior to, during and post disasters.”

Welcome and Introduction

- **Meeting led by:**
 - Simone Lloyd (Jamaica)
- **Co-Chairs' address:**
 - Michelle Edwards (Jamaica)
 - OKI Shoichi (Japan)



Apologies for Absence

- Please tender any received apologies for absence for the meeting.



Provisional Agenda

- **Welcome and Opening Address:**
 - Welcome & Opening Remarks
 - Co-Chairs' address:
 - Michelle Edwards (Jamaica)
 - Oki Shoichi (Japan)
 - Apologies for Absence
- **Introduction of Participants & new members**
- **Quick Update on Current DRM Initiatives by Members**
- **Update from CEOS & GEO Working Group Disasters (Dave Borges)**
- **Discussion on the Workplan**
 - Discussion on updated workplan for acceptance (Co-chairs)
- **Update on Activities of the Task Groups**
 - Collaboration Initiatives
 - Background Paper on Strategic Framework etc.
- **DRR Inventories**
 - Overview of updated inventories
 - Global consultation on inventories
- **Disaster-related Statistics**
 - WG Representative identification to Inter-Agency & Expert Group on Disaster-related statistics (IAEG)
 - Update from the Secretariat (Mr. Greg Scott)
 - Discussion
- **Preparation for the 11th UN-GGIM session**
 - Approved Summary
 - Proposed Report Outline
 - Side Events Proposal
- **Any other business**
 - Upcoming Events & Activities
- Date of next meeting
- Adjournment

Approval of the Agenda



Introduction of Participants & New Members

- Introduction of Meeting Attendees
- New Members Introductions

New members since last meeting:
<UN-GGIM Academia>
Prof. Timo Balz





Quick Update on Current DRM Initiatives by members

(See slides 43 – 45 for updates received from WG members during the meeting)



Update from CEOS & GEO Working Group Disasters

CEOS MOOC: Geospatial Applications for Disaster Risk Management Phase 2



- Registration opened on June 1, 2021 & remains open until August 25, 2021.
- <https://isat.iirs.gov.in/mooc.php>

 Training Calendar [List](#) [Calendar](#) [Login](#)



Geospatial Applications for Disaster Risk Management Phase 2 (Registration opens June 1, 2021 & remains open until August 25, 2021)

Start Date:
June 1, 2021

End Date:
Aug. 31, 2021

Description:
MOOC aims to strengthen efforts of disaster management professionals to contribute to achieving the targets of the Sendai Framework for Disaster Risk Reduction 2015-2030, the 2030 Agenda for Sustainable Development and the Paris Agreement stemming from the 21st Conference of the Parties (COP) of the United Nations Framework Convention on Climate Change (UNFCCC). Note: Registration opens June 1st and participants are welcome to register and join at anytime through August 25, 2021.

Targeted Audience:
Professionals working in the field of Disaster Risk Reduction/Management

CEOS MOOC: Geospatial Applications for Disaster Risk Management Phase 2



Targeted Audience:

Professionals working in the field of Disaster Risk Reduction/Management

Expected Outcomes:

Participants will be able to enhance the understanding on the application of space technology for disaster risk reduction/ Management

Host:

UNOOSA & CSSTEAP

Organizer:

UNOOSA & CSSTEAP

Format/Training Type:

Online Course

Language:

English

Application Deadline:

Aug. 25, 2021

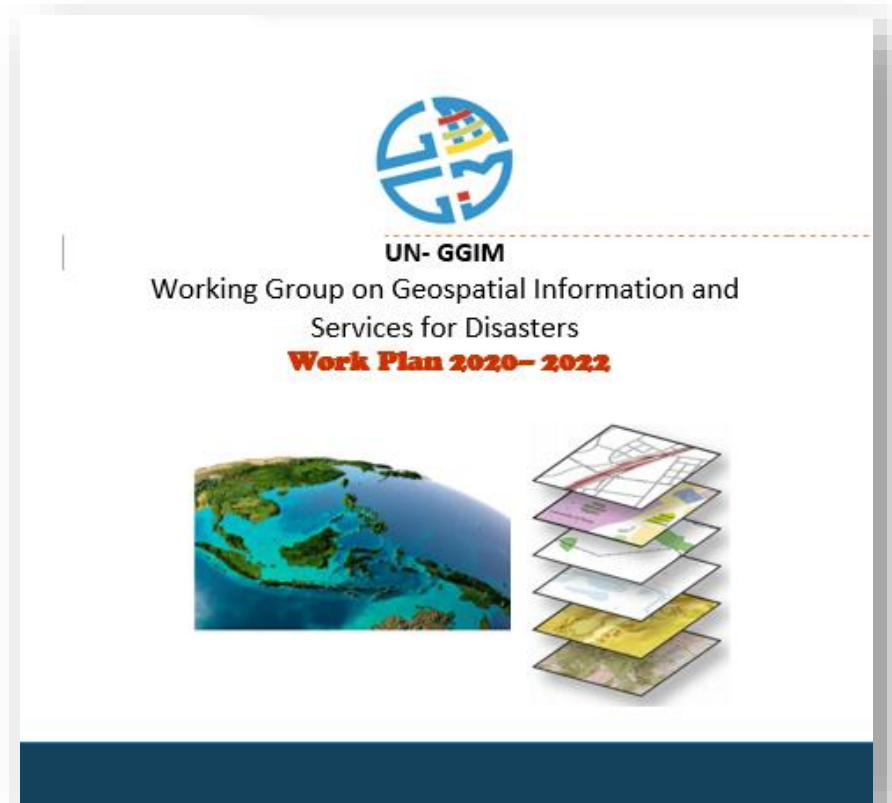
Qualifications:

Open to any professionals interested in Disaster Risk Management.

Discussion on Work Plan

- Since last meeting, the bureau received written comments from members and revised the plan as much as possible.

Discussion on
updated workplan
for acceptance



Summary of the Work Plan

Strategic Framework Priority Areas

Priority 1	Priority 2	Priority 3	Priority 4	Priority 5
Governance and Policies collaborative agreements and legal frameworks	Awareness Raising and Capacity Building	Data Management Geospatial databases and information products	Common Infrastructure and Services	Resource Mobilization

WG –Disaster UNGGIM Work Plan Task Groups

Task Group A Lead: Jamaica	Task Group B Lead : Japan	Task Group C (New) Lead: Jamaica	Task Group D Lead: New Zealand
Implementation and monitoring of the Strategic Framework & Administering the Assessment Tool	Design and implementation of scenario-based exercises on different hazards, including predictive modelling to test and improve the Strategic Framework per country and or region	Foster Communication and Awareness Raising	Support the use of the Integrated Geospatial Information Framework



Task Group Updates



Task Group A: Strategic Framework

Task Group lead: Simone Lloyd

Background Paper: Strategic Framework

- Analysis, development and submission of a “**Background Paper on Strategic Framework on Geospatial Information & Services for Disasters Assessment 2020 Results**” for 11th UN-GGIM Session.
- **Completion target: July 30, 2021**
- Proposed Outline of document:

- **Acknowledgements & Disclaimers**
- **Foreword**
- **Executive Summary**
- **Introduction**
- **Survey Objective**
- **Methodology:**
 - Global Consultation Process
 - Survey Administration
 - Analysis Process
- **Analysis Results**
 - Global Results
 - Regional Results
 - National Results & Case Studies
- **Findings & Gaps**
- **Next Steps:**
 - Recommendations
 - Way Forward
- **Appendix:**
 - Respondents
 - Categorized as Member States vs. Private sector entities
 - Member States categorized by region



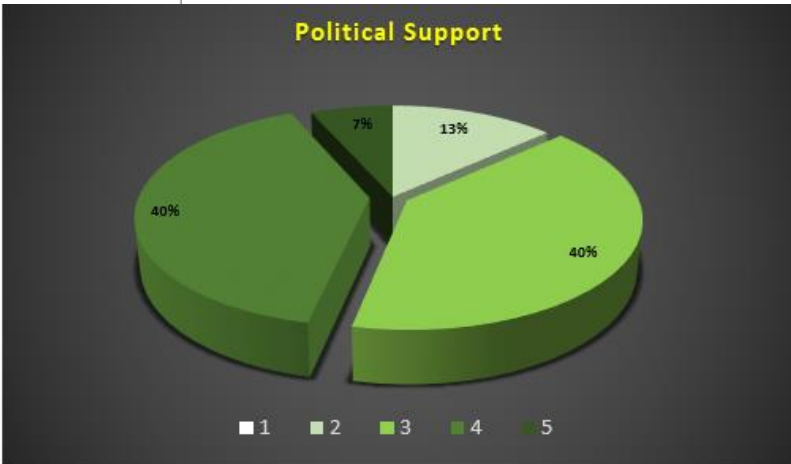
Strategic Framework Assessment Results

- For the assessment, each respondent determined their **level of readiness** for implementing the **Strategic Framework for Disasters** on a scale of 1 to 5, with 1 indicating being unaware of the initiative and its implementation within their country, while 5 indicates the initiative being fully implemented



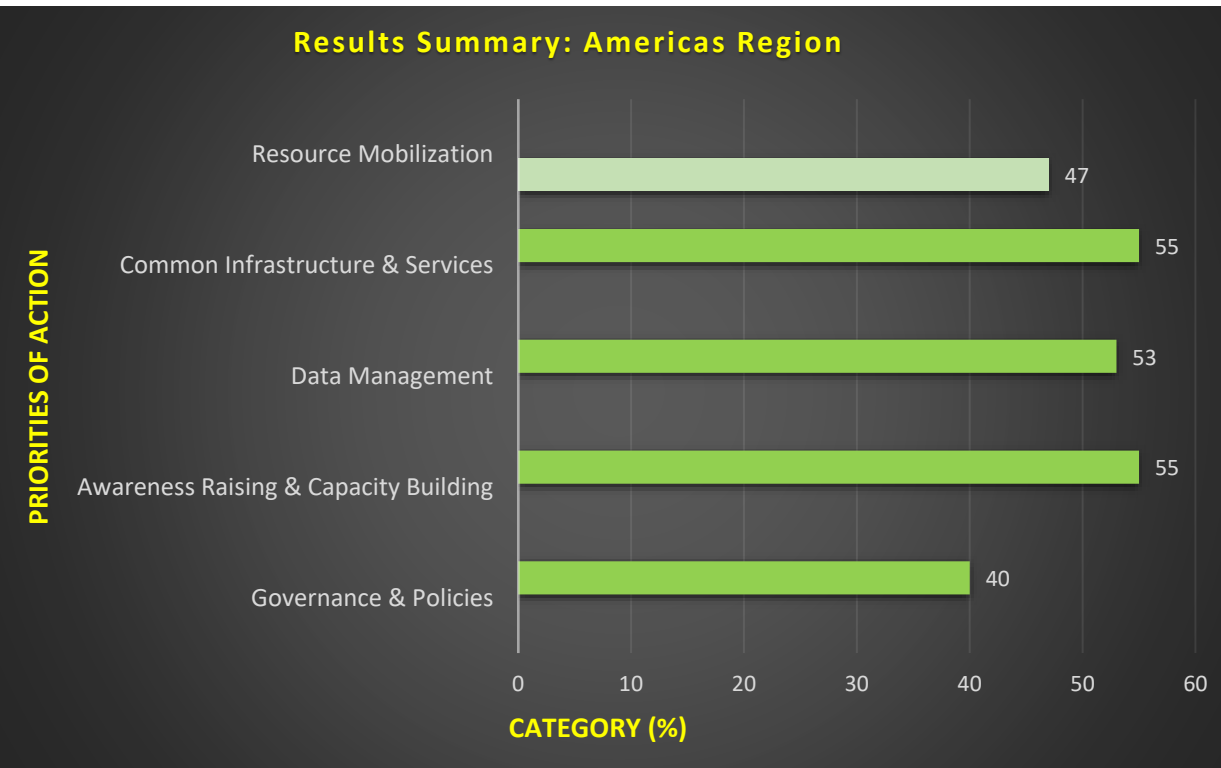
Table 1. Strategic Framework Categories

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



Strategic Framework Assessment Results

Americas Region



○ Level 3 Breakdown:

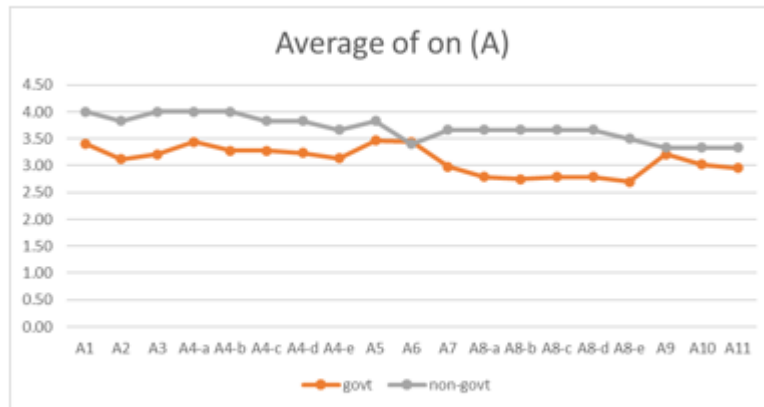
- 40% - Governance and Policies,
 - 55% - Awareness Raising and Capacity Building,
 - 53% - Data Management and
 - 55% - Common Infrastructure and Resources.
- Very promising results - countries are aware of and have started to implement actions towards ensuring the use of geospatial information (including EO technology and products) and related services in response to disasters.
 - On the other hand, 47% indicated attaining level 2 for Resource Mobilization, indicating that such activities towards enabling utilizing of geospatial information and services for DRM initiatives have not yet been implemented in their country

For **priority areas 1 through 4**, an overwhelming majority of the respondents indicated **achieving level 3**, whereby the geospatial information and services enabled DRM initiative is currently being implemented in their country, with major tasks still needing to be undertaken:

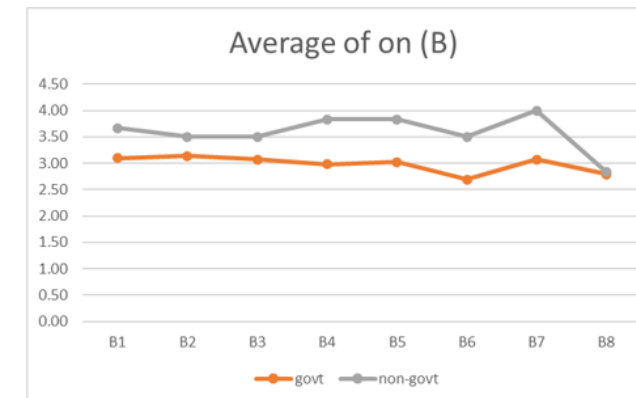
Strategic Framework Assessment Results

Conduct analysis of results for other regions (Africa, Asia Pacific & Europe) towards preparing a **global assessment and resulting report** for presentation at the 11th session of the UN-GGIM in August 2021.

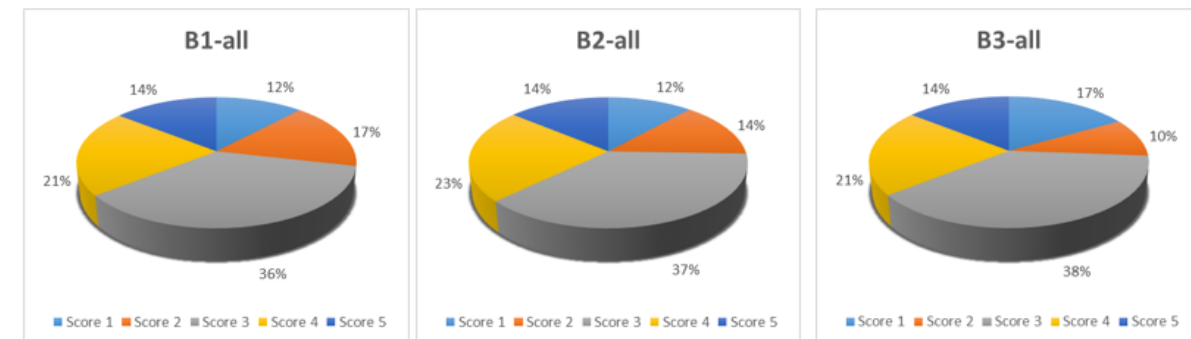
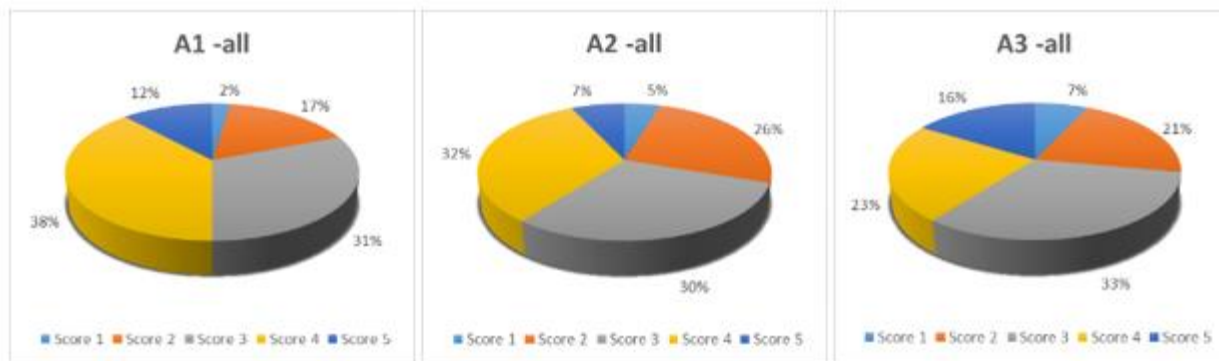
Priority A: GOVERNANCE AND POLICIES



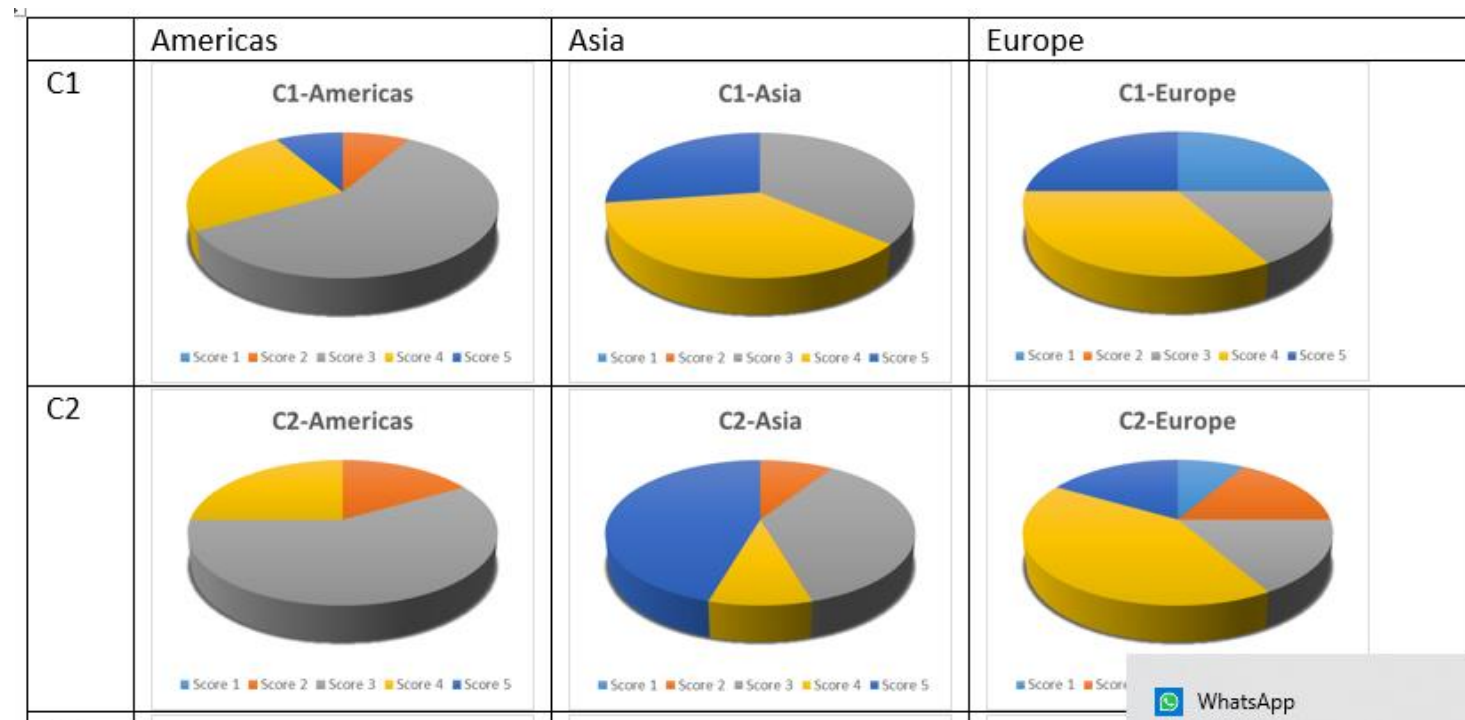
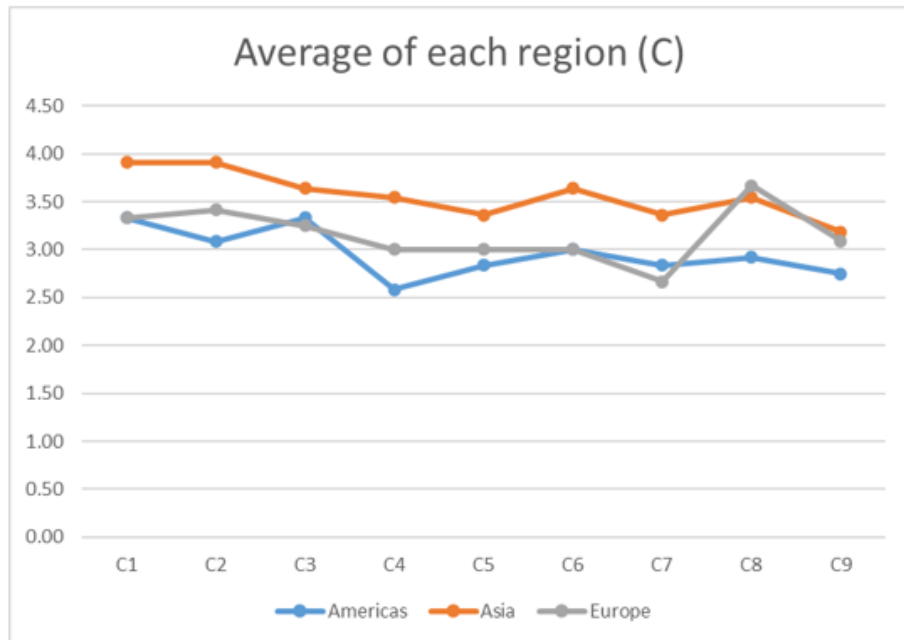
Priority B: AWARENESS RAISING AND CAPACITY BUILDING



Distribution of the answers (Government sector only)



Strategic Framework Assessment Results





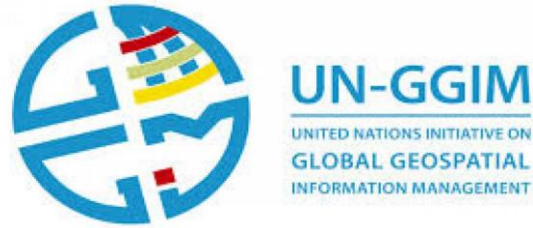
Task Group B: Scenario-based Modelling

Task Group lead: Hidenori Fujimura

Note of task group B:

- Mr. Fujimura updated the task group B as below:
 - 1) TG is now thinking about sharing the idea of the actual scenario.
 - 2) TG is now thinking defining a good set of the principles.
 - 3) TG is talking about the idea about real exercises such as:
 - the exercise should take a week rather than a day.
 - The exercise should be based on the real story.
- Task group is welcome any new members. (Working arrangement: MS Teams)

This slide is added after the meeting



Task Group C: Communication

Task Group lead: Simone Lloyd

Collaboration with CEOS WGDDisasters

- UN-GGIM WG Disasters update provided for CEOS WGDDisasters Telecon-29 – June 3, 2021



The poster features the CEOS logo at the top, followed by the title 'WGDDisasters Telecon-29 Virtual Meeting' and 'UN-GGIM WG Disasters Update'. It lists the speaker, Simone Lloyd, and her affiliations. The bottom right corner has a collage of disaster-related images including a volcano, a forest fire, and a satellite map. The date 'June 3, 2021' and the ministry name are at the bottom.

CEOS
Committee on Earth Observation Satellites

WGDDisasters Telecon-29
Virtual Meeting

UN-GGIM WG Disasters Update

Simone Lloyd, GISP
Jamaica Focal Point, UN-GGIM & Co-chair support, UN-GGIM WG Disasters
CARIGEO Steering Committee
Senior GIS Manager/Trainer, National Spatial Data Management Branch &
Land Information Council of Jamaica
Ministry of Housing, Urban Renewal, Environment & Climate Change
June 3, 2021

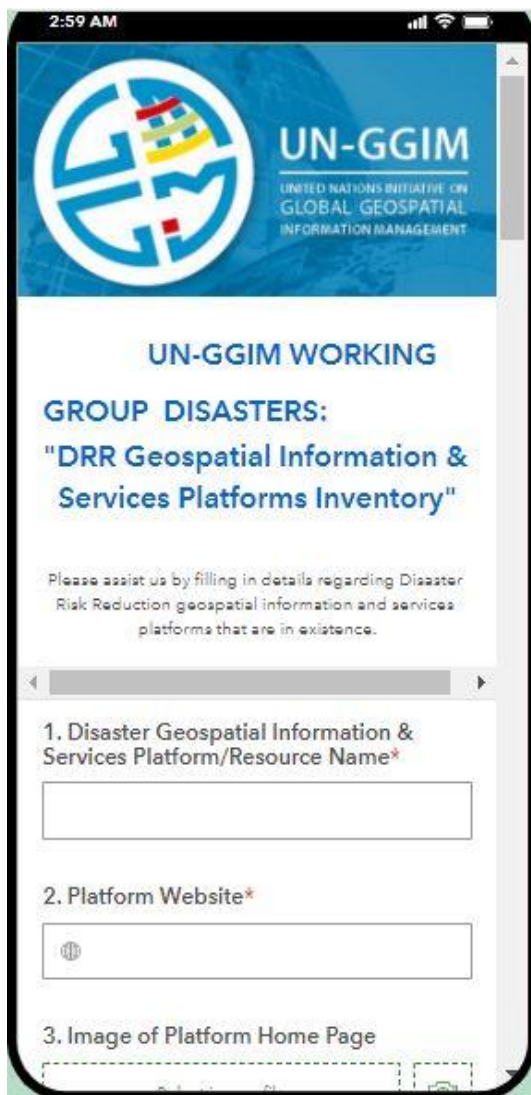
June 3, 2021
Ministry of Housing, Urban Renewal, Environment & Climate Change

UN GAR 2022 Contribution



- Collaboration with CEOS WG Disasters: UN-GGIM WG Disasters contributed to 5 page chapter/section on **“Earth Observations in the Context of National Risk Reduction Decision Structures Leveraging Geospatial Solutions”** of **“UN GAR 2022 Earth Observations into Action”** publication
 - Draft document submitted in February 2021.
 - **Provided background and context of [Strategic Framework on Geospatial Information and Services for Disasters 2016-2030](#)**, endorsed and adopted by the United Nations Economic and Social Council (ECOSOC) in July 2018
 - Its strong alignment with relevant global policy frameworks including, but not limited to, the 2030 Agenda for Sustainable Development and the Global Statistical Geospatial Framework.
 - The Strategic Framework comes with an Assessment Survey aimed at gauging the level and status of implementation of geospatial information and services for disasters initiatives relative to the Strategic Framework among countries.
 - Additional edits have recently been requested and will be facilitated.

DRR Inventory Surveys



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 developed for administration to facilitate the development and maintenance of inventory listings that will be hosted on UN-GGIM WG Disasters webpage.

Proposed administration period:
June - July 2021



Concept note on DRR inventories

- **Showcases the work being undertaken** by ‘DRR and Geo spatial professionals for Decision Making’ in member states
- Develop a **geo spatial resource inventory** on the UN-GGIM WG Disasters website
- **Establishing and sustaining cooperation** among the DRR and geospatial community, academia and the private sector for risk-informed decision making.
- **Supporting the uptake and use** of Geospatial resources by governments and others (private sector, communities).
- Identify **research and technology gaps** for applying science and technology in DRR.
- Accelerate solution-driven/ demand driven **disaster risk reduction research** for decision making.

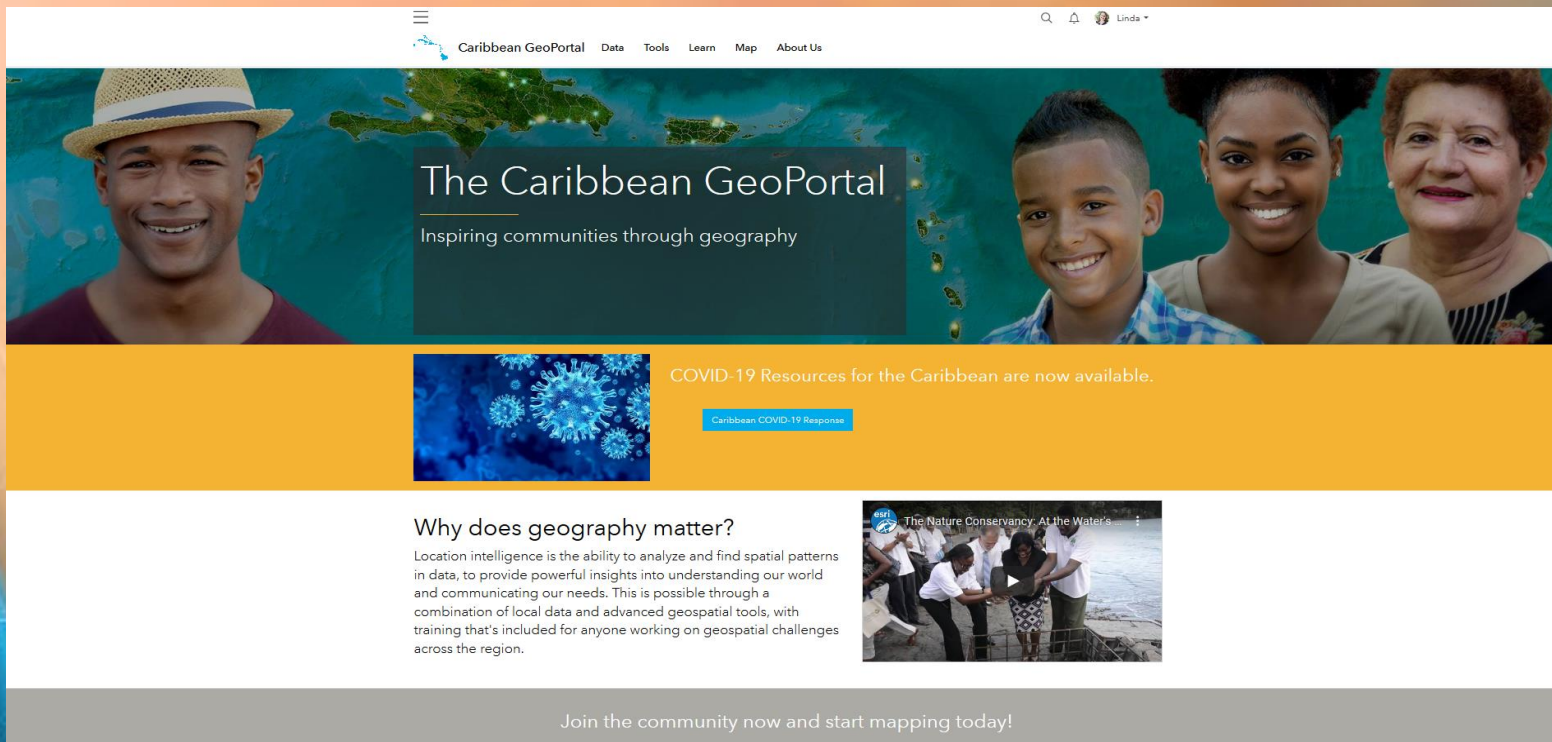
WG Feedback on DRR inventories

- Special thanks to all WG members who facilitated review and feedback on the surveys.
- Updates were facilitated to both surveys given the feedback received.
- **Remaining Queries:**
 - Error when opening the DRR GI & Services Platforms Inventory survey:
*TypeError: Cannot set property 'isDefault' of undefined (**being examined towards rectification**)*
 - Query: will these two surveys be distributed to the same audience, or different audiences?
 - If the same audience, was there a reason why two separate surveys were developed?
 - In general, keeping surveys short is usually better, but in this case the following question could be asked at the end of the “DRR Organizations Inventory”:
 - Does your Organization also have a geospatially oriented platform?
 - If yes, the additional questions would present themselves.

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

Caribbean Geoportal

- 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.

Caribbean Geoportal Webinar series (April - August 2021)

- Forging of partnerships with **DRR bodies** for collaboration and coordination of efforts.



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 9, 2021)

Webinar #3:
**Metadata, Maintenance &
Best Practices on Data
Sharing**
(August 26, 2021)

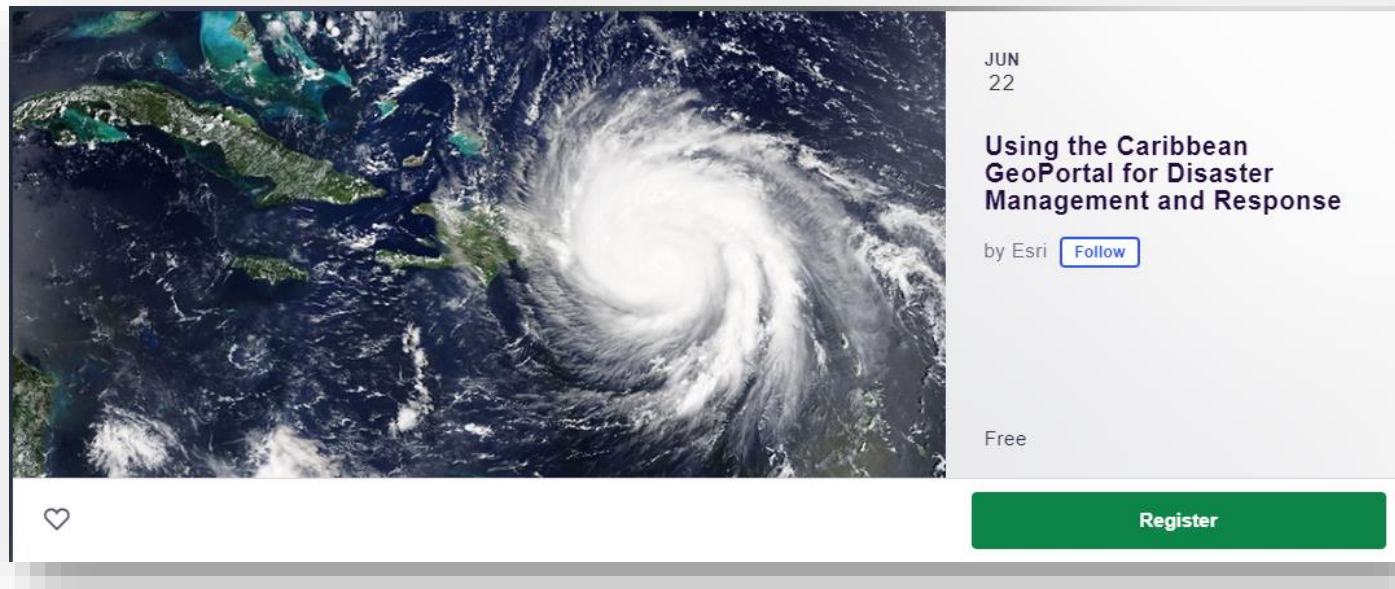
Rescheduling to June 22, 2021

Webinar 2: Caribbean Geoportal - Disasters



- Collaboration meetings held between UN-GGIM WG Disasters, CARIGEO Steering Committee & NASA (March - May 2021)
- Confirmed CARIGEO Disasters webinar presentations:
 - **UN-GGIM WG Disasters presentation**
 - **NASA Data for Disasters presentation**
- Webinar will:
 - Examine 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)
 - Examine **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 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.

Webinar 2: Caribbean Geoportal - Disasters



- Collaboration with UN-GGIM: Americas Caribbean Geospatial Development Initiative (CARIGEO) Project to host "**Caribbean Geoportal Webinar #2: Leveraging the Caribbean Geoportal for Disaster Planning & Management**" in June 22, 2021 at 10:00 am - 12:00 noon (EST).
- WG members are invited to register and join the webinar. Please also share webinar info with others to join and participate.
- Please register using this link:

<https://www.eventbrite.com/e/using-the-caribbean-geoportal-for-disaster-management-and-response-tickets-151713387827>

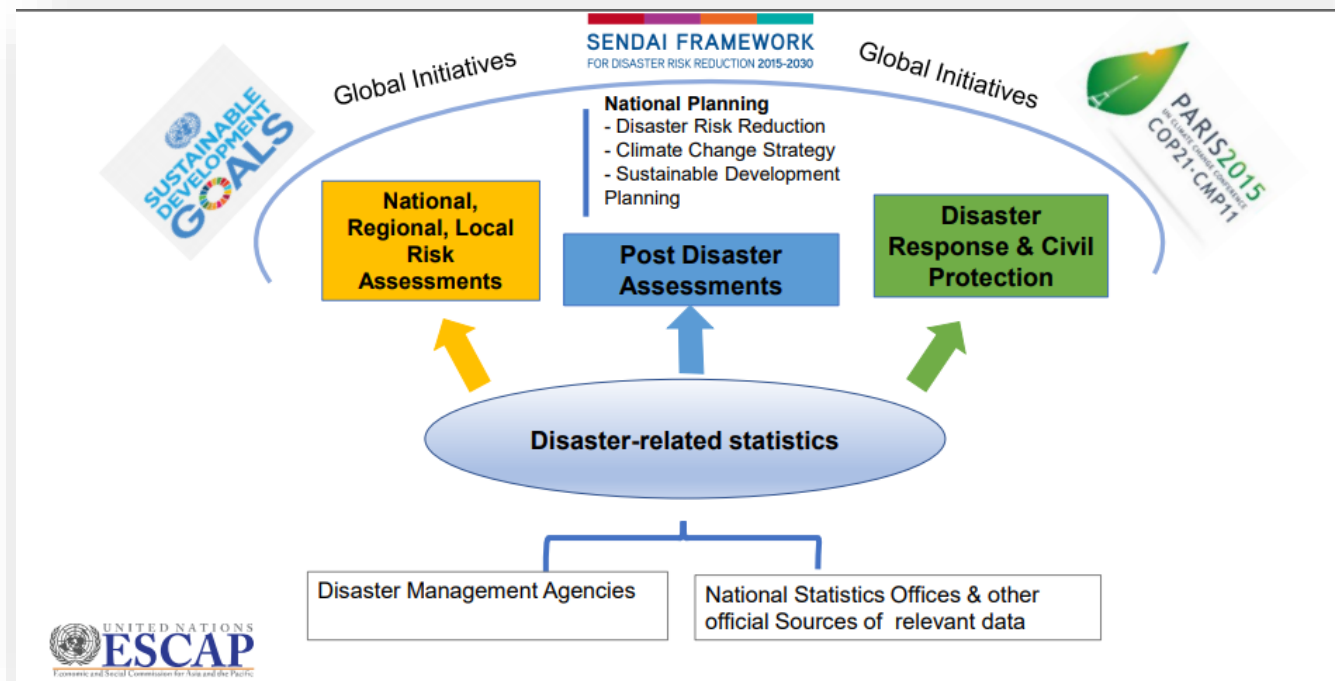
Task Group D: Strategic Framework & IGIF Alignment

Task Group lead: Rob Deakin

- **Comments Workplan - Task D – IN** response to the Philippines suggestion to push back reporting on a review of use of the IGIF - Taking on board the comment from our colleagues in the Philippines, I suggest that we move this date until after the 11th Session when we will have a clearer idea from other reports back to that meeting about how others are working with the IGIF.
- **Progress on Task D** – the key initial task is to review the results of survey on the SF-GISD. Thanks to Taro for providing his analysis of this last week. I will aim to undertake this review by the end of June.

WG Representative identification to IAEG

- Discussion towards selecting representative/s to the Inter-Agency & Expert Group on Disaster-related statistics (IAEG)



https://www.unescap.org/sites/default/d8files/event-documents/ESCAP_IAEG_background_Disaster-related_statistics_UNSC52_Side_Event_23Feb2021.pdf

Disaster-related Statistics

- Updates from the Secretariat (Mr. Greg Scott):



11th UN-GGIM Session Preparation

Summary

UN-GGIM WG Disasters
Report

UN-GGIM WG Disasters
Workplan
(2020-2022)

Background paper on
Strategic Framework on
Geospatial Information &
Services for Disasters
Assessment 2020 Results

Side Events
(two proposed)

11th Session approved Summary & Report Outline (draft)

- **Approved Summary update**
- **Proposed Report Outline:**
- **Note by the Secretariat**
 - Summary
- **Introduction**
- Importance of GI in DRM
- Goal & Objectives of WG
- 10th Session Decision Highlights
- Overview of Report
- **Activities of the Working Group**
 - Working Group Meetings
 - Finalization of Workplan (2020-2022)
 - Task Group A Activities
 - Background Paper on Strategic Framework
 - Task Group B Activities
 - Task Group C Activities
 - Task Group D Activities
- **Increasing Awareness of Geospatial Information in Disaster Risk Management**
 - Conferences, Webinars and Meetings
- **Collaboration with Other Bodies**
 - CEOS & GEO Working Group Disasters
 - National Aeronautics and Space Administration (NASA) Disasters Programme
 - UN-GGIM Americas & CARIGEO
- **Considerations Going Forward**
- **Points for Discussion**

Preparation for the 11th session UN-GGIM: Side Events request

The proposed UN-GGIM WG Disasters activities for the 11th Session Side Events Calendar include:

- [Side Event 1:](#)
Meeting of the Working Group on Geospatial Information and Services for Disasters
- [Side Event 2:](#)
UN-GGIM WG Disasters Special Open Geospatial Forum
 - [Session A:](#) Results of Background Paper on the Strategic Framework Assessment Global Consultation
 - [Session B:](#) Geospatial Information & Tools for COVID-19 Vaccination Efforts

Any Other Business

- Upcoming Events
- Other Matters



Date of Next Meeting

- **Frequency of Working Group Meeting:**

- Quarterly

- **Proposal:**

Next proposed meeting would be around the end of September)



Adjournment



Quick Update on Current DRM Initiatives by members (note 1)



UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

(Memo from the meeting)

- Ms. Carmelle Terborgh from ESRI introduced a publication “Open Data Infrastructure for City Resilience.”
 - <https://www.unisdr.org/campaign/resilientcities/toolkit/article/open-data-infrastructure-for-city-resilience>
- Mr. Alan Mills from MapAction updated the two areas of his recent work:
 - Anticipatory action (aid before a disaster happens).
 - Distribution of COVID 19 vaccine in Africa
- Mr. BAYU TRIYOGO WIDYANTORO from BIG, Indonesia updated that they have 50 cm tsunami 5 hours ago, and his concern is tsunami information dissemination.

This slide is added after the meeting

Quick Update on Current DRM Initiatives by members (note 2)



UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

(Memo from the meeting)

- Ms. Cheryl Desha from Griffith University shared information on a research forum in Queensland (in USA). It is a free event.
 - <https://www.eventbrite.com.au/e/queensland-disaster-management-research-forum-tickets-129377775409>
- Mr. Hidenori Fujimura from GSI, Japan updated their web map progress including operation of 24/7 web map with 3d feature web map and land form classification overlay, etc., to disseminate disaster related information.
- Mr. Steven Ramage updated that he and his team were working with the Coalition for Rainforest Nations (CfRN) on a pilot project on tropical forest assessment in Mozambique using earth observations.

This slide is added after the meeting

Quick Update on Current DRM Initiatives by members (note 3)



UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

(Memo from the meeting chat)

- At the meeting chat, Mr. Sangnian Li shared Special Issue "Human-Induced Disaster and Conflict Analysis, Prediction, and Prevention by Geospatial Analytics and Information Systems." He also added that they invite everyone to contribute to this special issue.
 - https://www.mdpi.com/journal/ijgi/special_issues/man-induced_disaster
- At the meeting chat, Mr. Keran Wang share that the 7th session of Committee on Disaster Risk Reduction of UNESCAP will be organized from 25-27 August 2021. And that the new edition of Asia-Pacific Disaster Report (2021) will be launched during the Committee meeting. ESCAP will organize a Regional training workshop on integrated geospatial formation for mapping hotspots of the COVID-19 pandemic in Southeast Asia in mid July 2021.

This slide is added after the meeting