

GEO VIRTUAL SYMPOSIUM 2021

GEO Priority Engagement Area



**SENDAI
FRAMEWORK**
FOR DISASTER RISK REDUCTION

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

Simone Lloyd, GISP

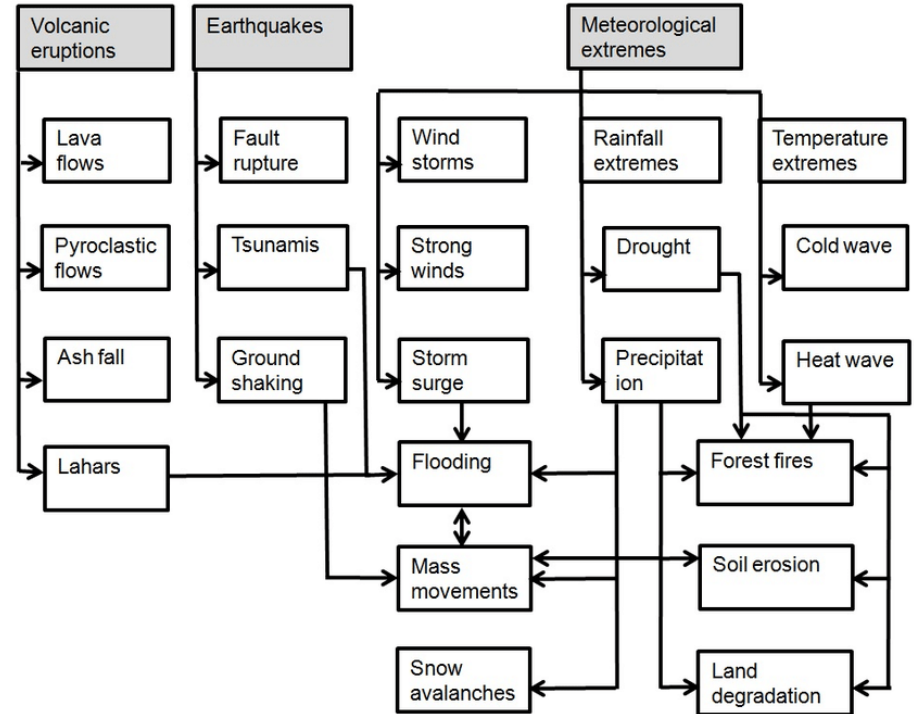
Senior GIS Manager & Trainer, National Spatial Data Management Branch
Jamaica Co-chair support, UN-GGIM WG Disasters &
Jamaica Focal Point, UN-GGIM CARIGEO Steering Committee

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

Tuesday June 22, 2021

Data Democracy for Disaster Resilience

- **Data Democracy** refers to an open model concept of making data available to technical and non-technical people within an organization, throughout countries and regions to support informed decision making.
- Expanding Data Democracy will undoubtedly **unlock great value for all organizations and countries involved in DRR/DRM.**



https://www.researchgate.net/figure/Examples-of-multi-hazards-and-their-interactions-required-for-multi-hazard-risk_fig2_285929471



UN-GGIM

UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

WG-Disasters

Vision:

- **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.

Provide a forum for dialogue and coordination among member states, UN system, DRR organizations etc.

Improve the availability, accessibility and timeliness of good quality geospatial information for DRR

Encourage greater coordination and collaboration on geospatial information activities for DRM

UN-GGIM WG Disasters: Strategic Framework on Geospatial Information and Services for Disasters



Strategic Framework on Geospatial Information and Services for Disasters 2016 - 2030

Scope and Purpose

The strategic framework aims to guide all stakeholders and partners in the management of geospatial information and services in all phases of Disaster Risk Reduction and Management (DRRM)

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 among all stakeholders and partners and in all phases of DRRM

Priorities for Action

Member States with the support of regional and international organizations as well as other relevant organizations should focus their action on 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	Priority 5 Resource Mobilization
Policies, collaborative agreements and legal frameworks aiming 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	Awareness is raised among concerned entities on the importance of geospatial information and services and all necessary technical and human capacities are built and/or strengthened especially in the pre-disaster phase of DRRM	Geospatial databases and information products are developed based on common standards, protocols and processes as important tools in every decision-making process across all phases of DRRM	Common facilities and services are established for all key stakeholders and partners to have a common operational picture of emergency scenarios especially during and in the post-disaster phases of DRRM	All necessary technical, human and financial resources are available to sustain all the activities of DRRM

Guiding Principle

The strategic framework is guided by the 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, from relief to development and other relevant instruments. It is also guided by the principles of open data and requirements of national data infrastructure, and by the UN-GGIM's own Statement of Shared Principles for the Management of Geospatial Information.

Strategic Framework on Geospatial Information and Services for Disasters

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

August 2017

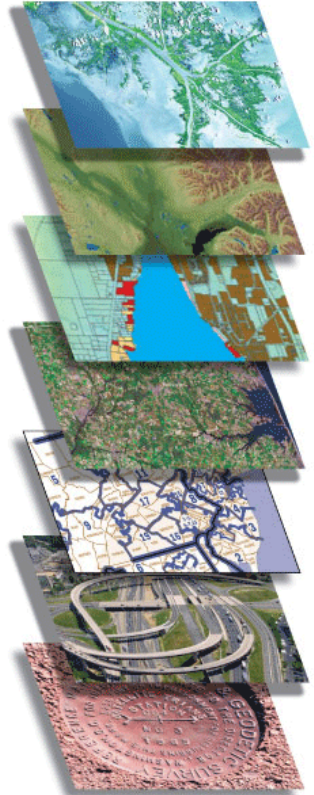


UN-GGIM

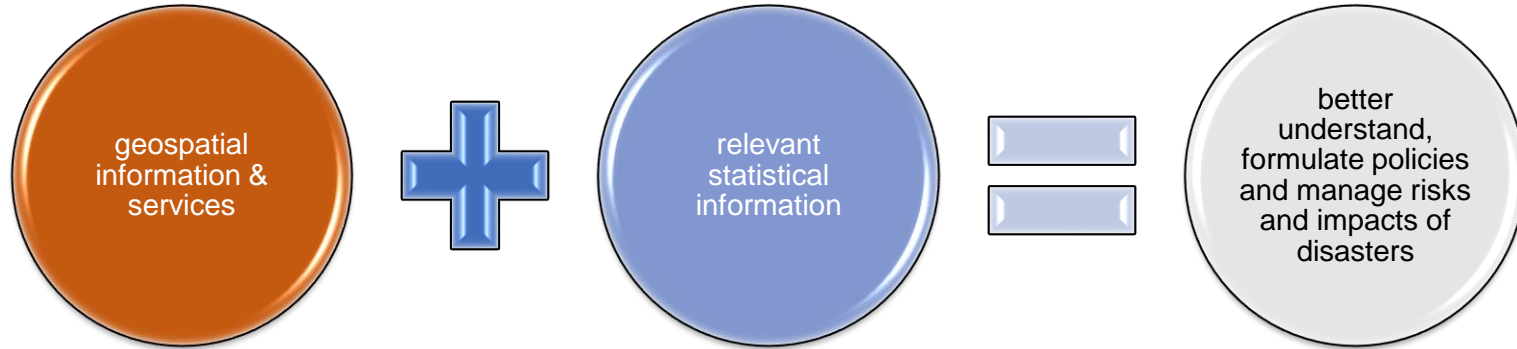
United Nations Committee of Experts on
Global Geospatial Information Management

ggim.un.org

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.



Use of:

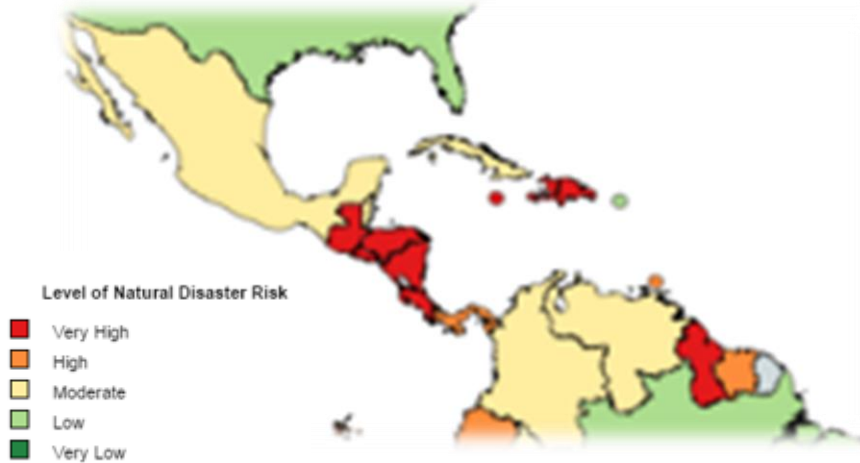


Member States



UN-GGIM: Americas

Disaster Risk Levels in Caribbean



Natural Disaster Risks:

- Hurricanes
- Tropical Storms
- Tropical Depressions
- Troughs
- Earthquakes
- Volcanoes
- Landslides & Floods
- Forest Fires & Wilfires
- Droughts etc.

Other Disasters:

- Epidemic & Pandemics eg. COVID-19
- Chik V, Zik V etc

<https://www.childfund.org/Content/NewsDetail/2147489272/>



CARIGEO

Caribbean Geospatial
Development Initiative

GEO-EMPOWERING THE CARIBBEAN

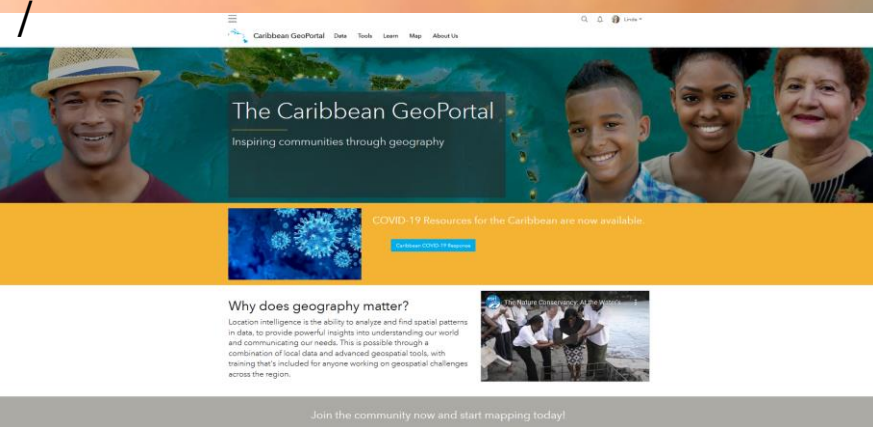
- **Context:** an Initiative implemented by the Americas Regional Committee of United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM)
- **Goal:** To improve Spatial Data Infrastructures at the national and regional levels in the Caribbean.
- **Participants:** National Mapping Agencies & National Statistical Offices throughout region.
- **Select Priorities:**
 - A community of spatial data producers and users is formed and remains active
 - GIS and data management capacities are improved across the region



Caribbean GeoPortal

Caribbean GeoPortal

<https://www.caribbeangeoportal.com>



The Caribbean GeoPortal
Inspiring communities through geography

COVID-19 Resources for the Caribbean are now available

Why does geography matter?
Location intelligence is the ability to analyze and find spatial patterns in data to provide powerful insights into understanding our world and communicating our needs. This is possible through a combination of local data and advanced geospatial tools, with training that's included for anyone working on geospatial challenges across the region.

Join the community now and start mapping today!



"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

An open mapping community for the Caribbean:

- Data by Esri, Partners, Governments, other authoritative producers and the Community e.g., NOAA, NASA
- Analytical tools for spatial data
- Hands on software training
- Publish your own data online
- Field data collection tools
- Configurable web applications

Caribbean Geoportal Webinar series

(April – August 2021)



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**
(August 26, 2021)

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

Thank You!

GEO Priority Engagement

Area



SENDAI FRAMEWORK
FOR DISASTER RISK REDUCTION

Simone Lloyd, GISP

June 22, 2021

simone.Lloyd@mhurecc.gov.jm

<https://www.linkedin.com/in/simone-michelle-lloyd-gisp-msc-pg-dips-ginf-gis-ed-aa20b754/>

Collaborate and communicate with GEO:

