Session 5: Geospatial Information Integration

“Regional Implementation of the IGIF by the Caribbean Geospatial Development Initiative (CARIGEO)”

August 18, 2022 @ 09:30 - 11:00 EDT/PYT

Simone M. Lloyd, GISP
Jamaica Focal Point & Caribbean Vocal, UN GGIM: Americas
Principal Director (Acting), National Spatial Data Management Branch (NSDMB)
Ministry of Economic Growth and Job Creation (MEGJC)
Simone M. Lloyd, GISP is a certified geospatial professional, project manager, educator and trainer with a wealth of 15 years’ experience contributing to the development of Jamaica’s geospatial landscape. She currently serves as the Acting Principal Director within the National Spatial Data Management Branch of Jamaica's Ministry of Economic Growth & Job Creation. Her main responsibilities include directing daily operations, coordinating national geospatial projects, policies, events, training and education initiatives and programmes, including the National Emergency Response GIS Team (NERGIST).

She currently serves as Jamaica’s Focal Point and Head of Delegation to the United Nations Global Geospatial Information Management (UN-GGIM) Group of Experts and its Americas Regional Committee and Caribbean Vocal to the UN-GGIM: Americas Board of Directors, in addition to membership within UN-GGIM: Americas' Caribbean Geospatial Development Initiative (CARIGEO) Steering Committee.

Additionally, Simone provides Jamaica co-chairmanship support and leads two Task Groups within the UN-GGIM Working Group on Geospatial Information and Services for Disasters and is its representative to the GEO DRR WG Disasters, CEOS WG Disasters, WGIC Disaster Resilience Working Group and OGC Disaster Pilot Project. Simone also serves as an Americas member on the High Level Group on Integrated Geospatial Information Framework (HLG-IGIF) and Co-lead of the HLG-IGIF’s Working Group on Mobilizing Sustainable Funding.

Simone also serves as an adjunct geospatial lecturer to multiple tertiary institutions in Jamaica.

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Outline

- Background on CARIGEO
- CARIGEO Scope of Work
- CARIGEO and IGIF Alignment
- IGIF Pathways actioned by CARIGEO
PURPOSE

• To improve Spatial Data Infrastructures at the national and regional levels in the CARIBBEAN

  - building on recent and on-going developments
  - leveraging indigenous skills and resources
  - utilising external resources and technical expertise

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Partners

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

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Participants

National Mapping Agencies & National Statistical Offices
IGIF Pathways

The Integrated Geospatial Information Framework provides a basis and guide for developing, integrating and strengthening geospatial information management.

Anchored by 9 Strategic Pathways, the Framework is a mechanism for articulating and demonstrating national leadership in geospatial information, and the capacity to take positive steps.

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Scope of Work

- Track 1: Assessment of Current Situation in the Caribbean
- Track 2: Governance and Policies
- Track 3: Collaboration and Partnerships
- Track 4: Datasets and Tools
- Track 5: Capacity Development
- Track 6: Communications
Track 1: Assessment of Current Situation in the Caribbean

Track 2: Governance and Policies

Track 3: Collaboration and Partnerships

Track 4: Datasets and Tools

Track 5: Capacity Development

Track 6: Communications

CARIGEO Scope of Work

 IGIF Pathways

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IGIF Pathways Actioned by CARIGEO

IGIF Pathways under which CARIGEO activities have been pursued

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Governance & Institutions
CARIGEO VIRTUAL EXECUTIVE FORUM 2020

October 30th 10:00-11:30 EDT

SPEAKERS

Dr. the Hon. William F. Duguid, J.P., M.P.
Minister of Housing, Lands and Maintenance, Barbados

H. E. Dr. June Soomer
Secretary General, Association of Caribbean States

NG Siau Yong
Director Geospatial and Data & Chief Data Officer, Singapore

Elizabeth Stair
CEO & Commissioner of Lands, National Land Agency, Jamaica

Diane Quarless
Director, Subregional Office for the Caribbean, ECLAC

Diana Castillo-Trejo
General Director, Statistical Institute of Belize, TBC

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CARIGEO VIRTUAL EXECUTIVE FORUM 2020

• The Executive Forum was staged to **share knowledge and create awareness among the region’s senior decision makers on the value of leveraging geospatial and statistical data with related technologies** to support policy development and decision making.

• The Forum also sought to **galvanize countries** to action and commitment to participate in CARIGEO, through focused high-level presentations that will highlight the geospatial development imperatives and good geospatial information management practices.

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AmeriGEO Week 2022

Human Migration in Focus:
Earth Observations for Resilience and Equitable Development

Data & Innovation
Caribbean Geoportal Purpose

• 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.

• Promotes **access to training**.

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Human Migration in Focus:
Earth Observations for Resilience and Equitable Development

AmeriGEO Week 2022

Capacity & Education
2021 CARIGEO Webinars for Community Awareness
Raising and Capacity Building

- WEBINAR 1: Academic Network Americas:
  - Ethics on the Use of Geospatial Information [Recording here]
- WEBINAR 2: Caribbean Geoportal Topic 1 - How to Use [Recording here]
- WEBINAR 3: Caribbean Geoportal Topic 2 – Disasters [Recording here]
- WEBINAR 4: UNGEGN on Geographical Names – [Recording here]
- WEBINAR 6: Integration of Statistics and Geospatial Information – to be scheduled

#AmeriGEOWeek2022
Caribbean Geoportal Webinar Series

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

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Caribbean Geoportal Online Training

Access learning resources

The Caribbean GeoPortal provides users with unlimited access to the necessary training materials, enabling them to get the most from the tools and data available. Courses range from beginning to advanced.

Available Online Training

Build capacity and learn the skills required for the jobs of tomorrow. Focus on your learning objectives in a planned training program with examples, tasks, and demo data all included. Take one of our prebuilt courses or create your own.

The Caribbean GeoPortal contains a number of powerful tools, apps, and data that you can use. Learn how to maximize each capability to reach your goals by taking your first training from Esri’s online catalog which is included with your GeoPortal account.

Check out the training courses now and keep track of your learning too.

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CARIGEO Your Caribbean Story Competition

• Launch Event - January 27, 2022

Your Caribbean Story Launch Event

Organized by UN-GGiM Americas, CARIGEO and Esri

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Caribbean Your Story Competition Webinar Series

Webinar Series

- Starting on Feb 3rd – every Thursday 12 noon eastern
- Feb 3rd Preparing for the competition
- Feb 10th Get Started with Mapping
- Feb 17th Creating a Good Story with ArcGIS StoryMaps
- Feb 24th Analysis
- Mar 3rd Visualization
- Mar 10th Building an App

#AmeriGEOWeek2022
Your Caribbean Story Competition Winners

The competition allowed students to tell their story with GIS while encouraging spatial thinking and promoting research. This competition was designed to increase awareness and improve geospatial capacity toward sustainable development.

Organized by UN-GGIM Americas, CARIGEO, and Esri

Get started

#AmeriGEOWeek2022
The main objectives of the webinar were to:

- **Disseminate the Integrated Geospatial Information Framework (IGIF) to a broad spectrum of institutional actors** linked to the management of geospatial and statistical information.

- **Share good practices** on the implementation of the Integrated Geospatial Information Framework at the national level.

- Provide a **space for regional discussion** and provide guidance to Member States on the actions to be taken into account for the implementation of the Integrated Geospatial Information Framework and its nine strategic pathways at the country level, with the support of the IGIF Implementation Guide and other tools and materials produced by the UN-GGIM Secretariat and the World Bank.

- **Analyze the needs and challenges** that Member States may have in these matters.

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Partnerships
#AmeriGEOWeek2022

Your Caribbean Story Competition

Caribbean Geoportal

All webinar initiatives
Caribbean Geoportal Partnerships

Partnerships forged with:

- NASA
- NOAA
- UN-GGIM Working Group on Geospatial Information and Services for Disasters
- CDEMA
- ACS

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Your Caribbean Story Competition Partners

Partnerships forged:
- Plan and execute the competition
- Judge the competition entries
- Obtain mentors
- Execute the webinar series
- Sponsor prizes for the winners

Prizes awarded:

**Exemplary Research** – Intern/Externship – The University of the West Indies

**Most Innovative Solution for Development** – Intern/Externship – Gov of Jamaica

**Best App** – Intern/Externship – GeoTechVision

**Best Story Map** – Intern/Externship – Esri

Best overall submission for **Women in GIS** - US$3,500 sponsored by Reigl USA

Best overall submission for **Climate Change** - US$2,000 sponsored by Geo1

Best overall submission for **Sustainability** – US$1,000 sponsored by Trimble
Communication & Engagement
Communication & Engagements through Caribbean Geoportal

- NEW Community pages
- Deploy new survey on disasters
- As of November 15th – over 2,200 users!
Centralizing resources for:
- Earthquakes
- Hurricane
- Flooding
- Soils
- Landslides
- And more..

NEW Haiti Country page live [https://haiti.caribbeangeoportal.com/](https://haiti.caribbeangeoportal.com/)

14 August 2021 - magnitude 7.2 earthquake struck Haiti

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
Thank You

Collaborate and communicate with AmeriGEO:

- Twitter: @AmeriGEO
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- Website: AmeriGEO.org

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Simone.Lloyd@megjc.gov.jm