

**Ameri
GEO**

Earth Observations
for the Americas



UNIVERSIDAD
AMERICANA

#AmeriGEOWeek2022

AmeriGEO Week 2022

Human Migration in Focus:

Earth Observations for Resilience and Equitable Development

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)*

Presenter Biography

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.



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)*

Outline

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



CARIGEO
Caribbean Geospatial
Development Initiative

GEO-EMPOWERING THE CARIBBEAN



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*



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

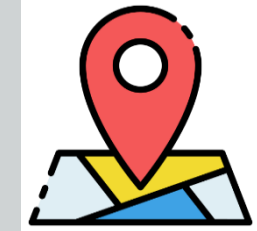


THE UNIVERSITY OF THE WEST INDIES



#AmeriGEOWeek2022






**National
Mapping
Agencies**

&



**National
Statistical
Offices**

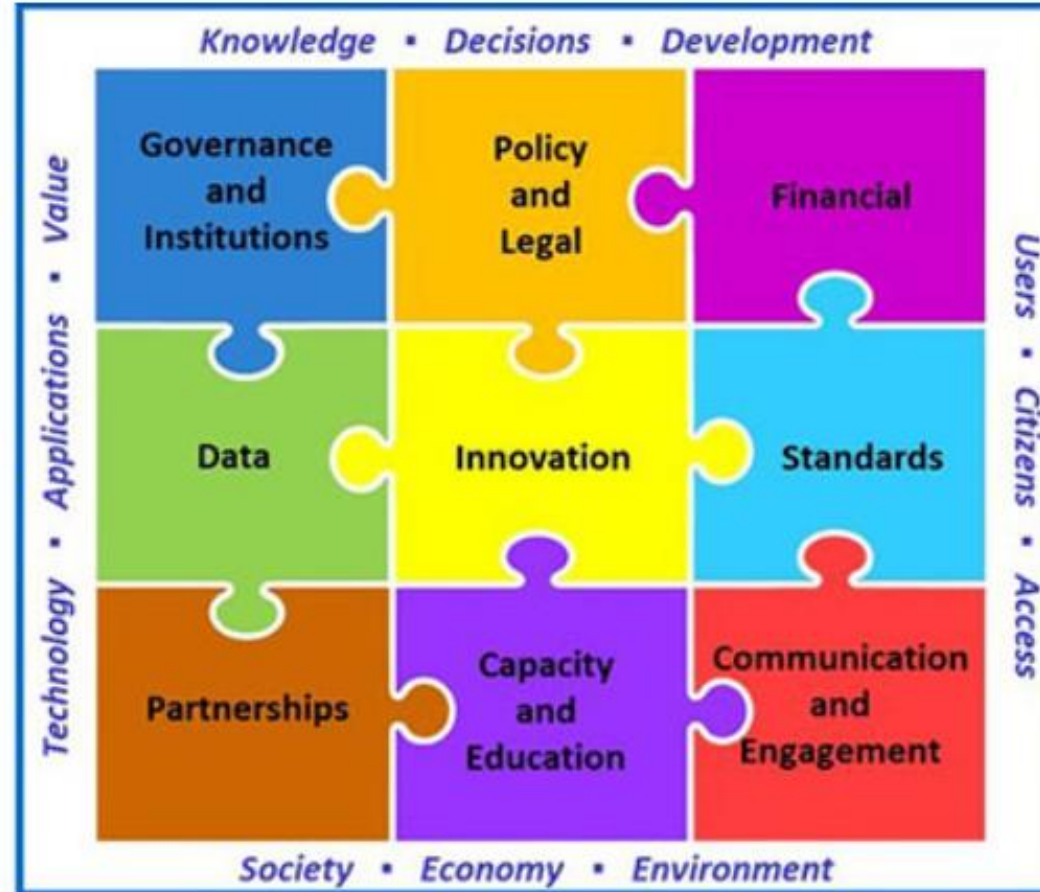


The Integrated Geospatial Information Framework provides a basis and guide for developing, integrating and strengthening geospatial information management.

Governance →

Technology →

People →



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.



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 Aligned with IGIF

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

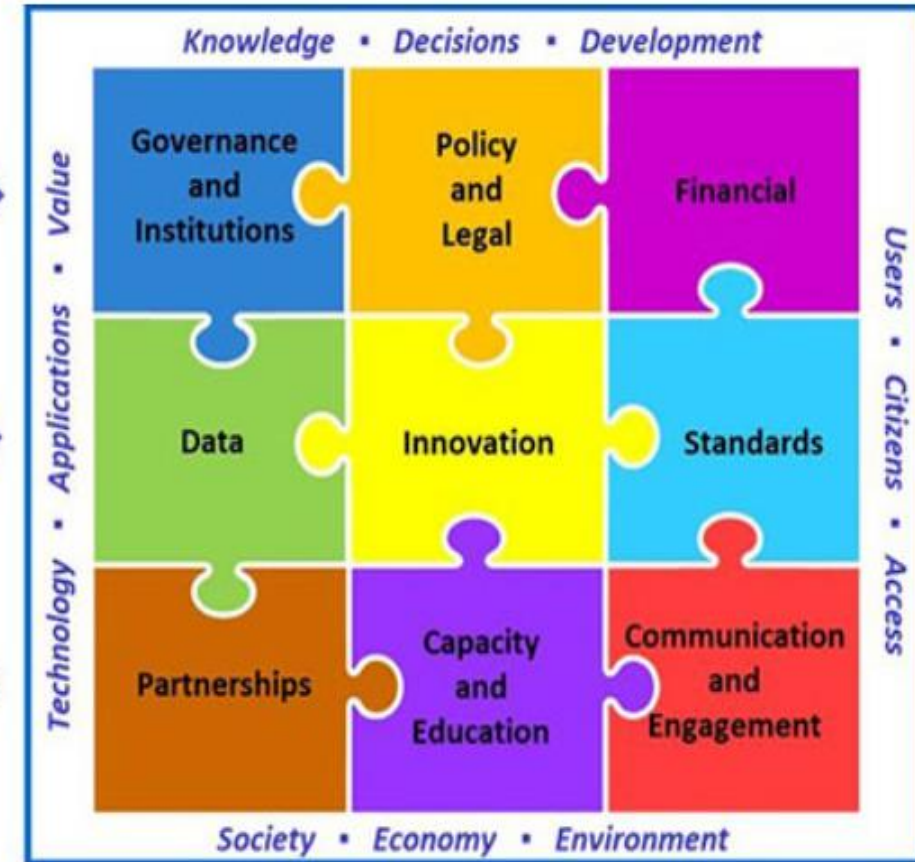
Track 6: Communications

Aligned

Governance

Technology

People

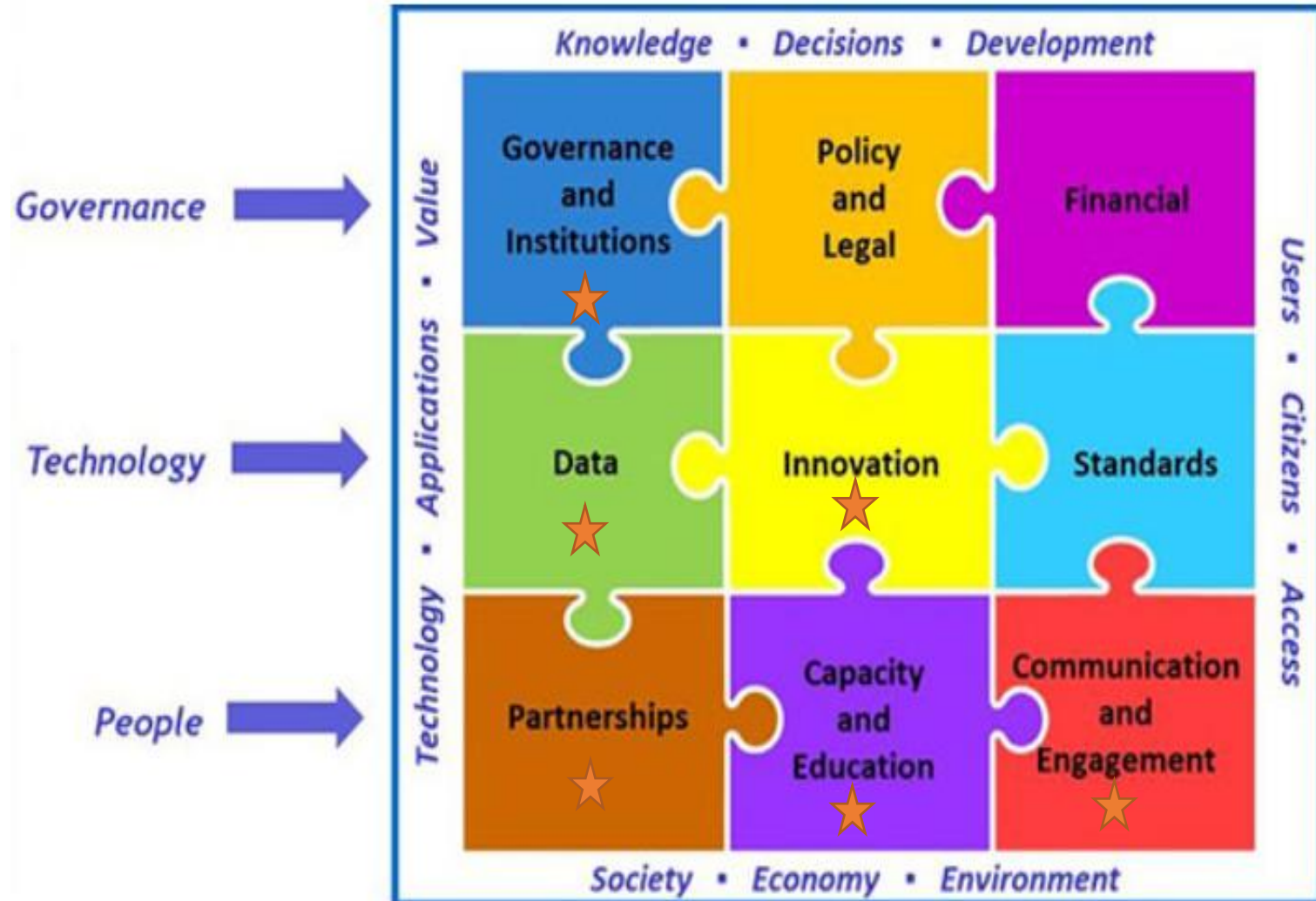


CARIGEO Scope of Work

IGIF Pathways

IGIF Pathways Actioned by CARIGEO

★ IGIF Pathways under which CARIGEO activities have been pursued



Ameri
GEO

Earth Observations
for the Americas



UNIVERSIDAD
AMERICANA

#AmeriGEOWeek2022

AmeriGEO Week 2022

Human Migration in Focus:

Earth Observations for Resilience and Equitable Development

Governance & Institutions

CARIGEO VIRTUAL EXECUTIVE FORUM 2020



EXECUTIVE FORUM



 **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

NG Siau Yong

Director Geospatial and Data & Chief Data Officer, Singapore

H. E. Dr. June Soomer

Secretary General, Association of Caribbean States

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

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

Ameri
GEO

Earth Observations
for the Americas



UNIVERSIDAD
AMERICANA

#AmeriGEOWeek2022

AmeriGEO Week 2022

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

Data & Innovation

Development of the CARIGEO Caribbean Geoportal



[GeoPortal](#) [Data](#) [Tools](#) [Learn](#) [Community](#) [About Us](#)

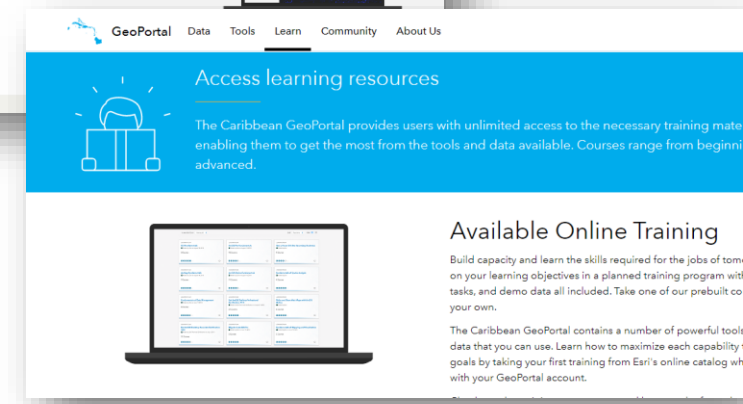
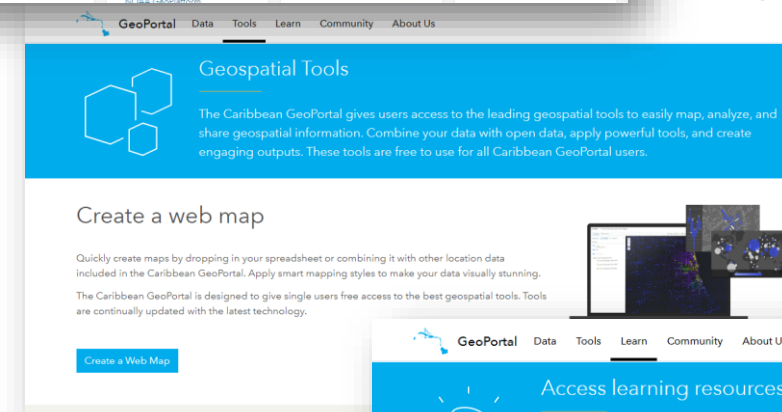
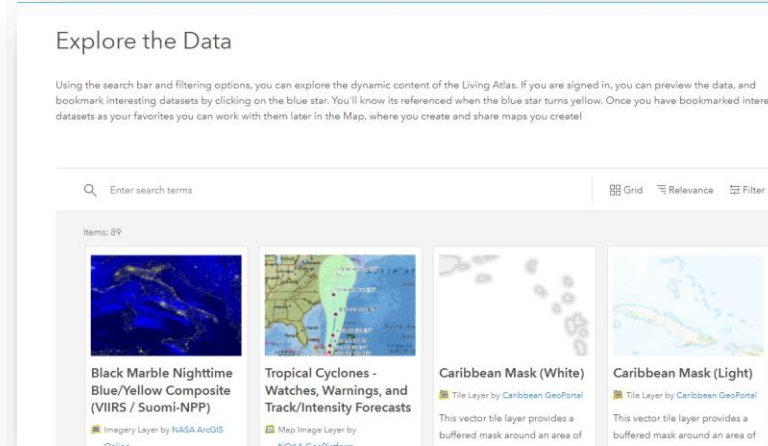


[Sign In](#)



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**.



Ameri
GEO

Earth Observations
for the Americas



UNIVERSIDAD
AMERICANA

#AmeriGEOWeek2022

AmeriGEO Week 2022

Human Migration in Focus:

Earth Observations for Resilience and Equitable Development

Capacity & Education

- 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 5: **Caribbean Geoportal Topic 3** - Metadata, Maintenance, Best Practices On Data Sharing – September 21st *Recording soon*
- WEBINAR 6: Integration of Statistics and Geospatial Information – to be scheduled



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

Caribbean Geoportal Online Training



Q Sign In

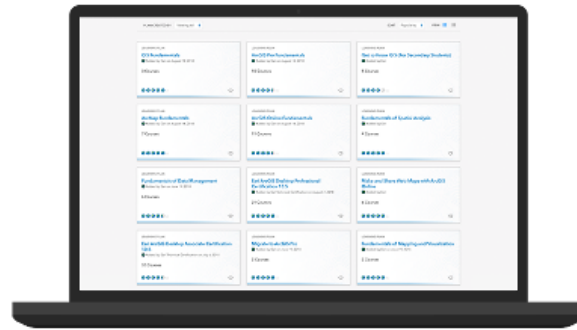


GeoPortal Data Tools Learn Community About Us



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.

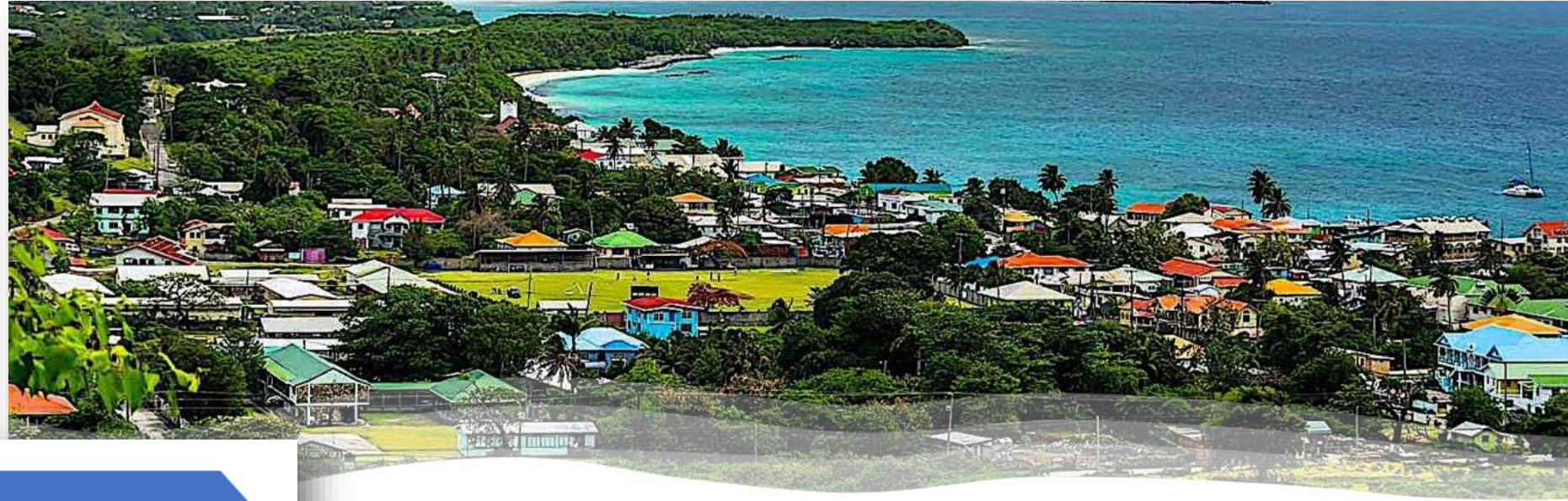
The Caribbean GeoPortal contains a number of powerful tools, apps, and data that you can use. Learn how to maximize each capability to reach your goals by taking your first training from Esri's online catalog which is included with your GeoPortal account.

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

[View Training Catalog](#)

CARIGEO Your Caribbean Story Competition

- **Launch Event -
January 27, 2022**



Promote
Research

Encourage
Spatial
Thinking

Inspire
Curiosity

Your Caribbean Story Launch Event

Organized by UN-GGIM Americas, CARIGEO and Esri



Caribbean Your Story Competition Webinar Series

YOUR CARIBBEAN STORY

We are pleased to announce the inaugural 2022 CARIGEO Student Competition

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

Collection

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



1 Best StoryMap: Living in the Fear of Flood



2 Best App: Waste Management In Guyana



3 Best Research: Through Wind and Rain



4 Women in GIS Winner: Portland: The Past and Futu...



5 Climate Change Winner: Planting for Tomorrow in T&T

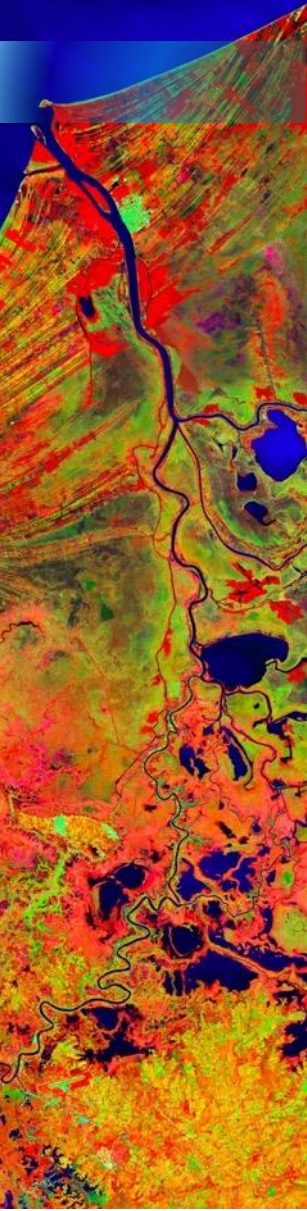


6 Sustainability Winner: Why switch to Compressed Natur...



7 Development Winner: Busy Bus Bustles in Bago

[Your Caribbean Story Competition Winners \(arcgis.com\)](https://arcgis.com)



1ST VIRTUAL WEBINAR

Why implement the Integrated Geospatial Information Framework (IGIF) in my country?

**JULY 7
2022**
10:00–12:00 (EST)

 UN-GGIM:Americas

 UN IGIF
INTEGRATED GEOSPATIAL
INFORMATION FRAMEWORK

 **CARIGEO**
Caribbean Geospatial
Development Initiative

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.

#AmeriGEOWeek2022

Ameri
GEO

Earth Observations
for the Americas



UNIVERSIDAD
AMERICANA

#AmeriGEOWeek2022

AmeriGEO Week 2022

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

Partnerships

Caribbean Geoportal Partnerships



Partnerships forged with:

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

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

Ameri
GEO

Earth Observations
for the Americas



UNIVERSIDAD
AMERICANA

#AmeriGEOWeek2022

AmeriGEO Week 2022

Human Migration in Focus:

Earth Observations for Resilience and Equitable Development

Communication & Engagement

- NEW Community pages
- Deploy new survey on disasters
- As of Novembr 15th – over 2,200 users!

Why Join our Community?

A Community is a social unit – with commonalities, sharing a sense of place. Our place, our region the **Caribbean** is a special one. One with many relationships, that extend beyond our immediate ties of place. We are citizens, teachers, students, parents, government workers, politicians, engineers, architects, farmers, business owners, geographers, statisticians, scientists, communications and IT professionals, health care workers, emergency responders, planners, and so much more. We share one vision ... a resilient, sustainable and more prosperous Caribbean.

This community is being empowered by the Caribbean GeoPortal and the CARIGEO initiative.

CARIGEO, is a collaborative initiative that seeks to empower the countries and territories of the Caribbean to advance the greater use and sharing of geospatial and statistical information to support improved decision making for sustainable national and regional development.

We encourage you to join our community - where you can find data, solutions, share ideas and collaborate with us to help achieve our goals.

What is your name?*

What is your job title?*

What are your areas of interest or expertise?*

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Architecture	<input type="checkbox"/> Business
<input type="checkbox"/> Conservation	<input type="checkbox"/> Construction	<input type="checkbox"/> Disaster Response
<input type="checkbox"/> Earth Sciences	<input type="checkbox"/> Economic Development	<input type="checkbox"/> Education



Caribbean Disasters Response Program - Survey

CARIGEO Caribbean Disaster Response Program Survey

CARIGEO is a collaborative effort under UN-GGIM Americas, which seeks to empower the countries and territories of the Caribbean region to advance the use and sharing of geospatial, statistical and related information to support improved decision making for sustainable national and regional development.

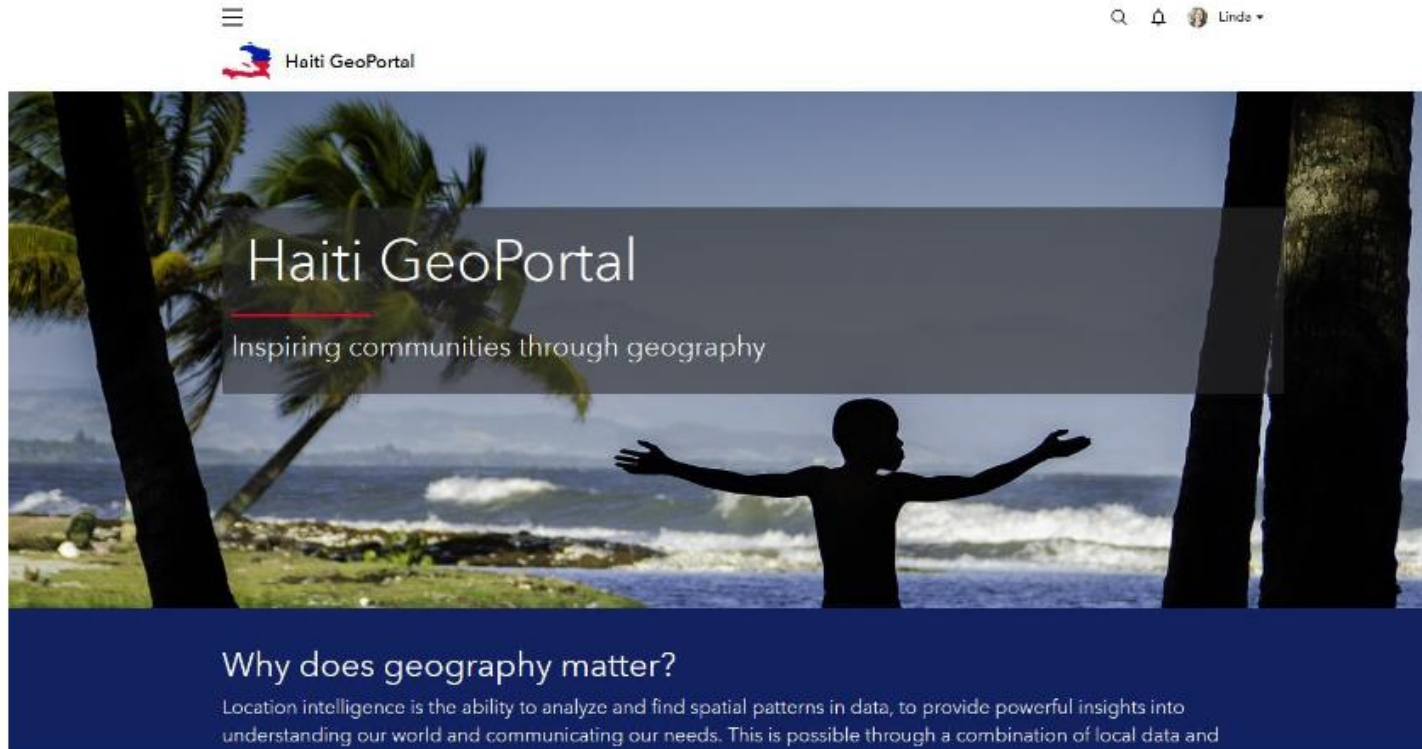
We would like to understand ongoing programs in the region to better provide support.

A program can be a very specific initiative or project focused on a target region or thematic area in disasters. Including disaster preparedness, response and recovery. E.g. Jamaica Disasters program, St. Lucia Disasters preparedness program, Hurricane Response initiative or Landslide Research initiative.

Caribbean Geoportal Response to Haiti Earthquake

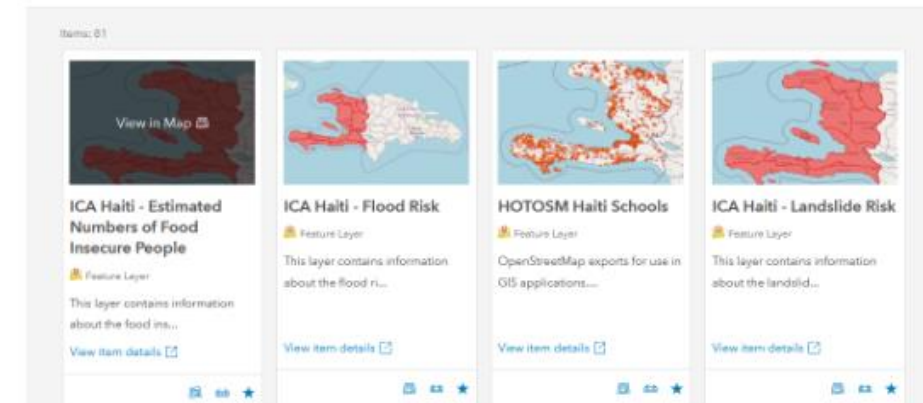
NEW Haiti Country page live <https://haiti.caribbeangeoportal.com/>

14 August 2021 - magnitude 7.2 earthquake struck Haiti



Centralizing resources for:

- Earthquakes
- Hurricane
- Flooding
- Soils
- Landslides
- And more..





Earth Observations
for the Americas



AmeriGEO Week 2022

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

Thank You

Collaborate and communicate with AmeriGEO:



#AmeriGEOWeek2022