



**UN-GGIM:Americas**  
REGIONAL COMMITTEE OF UNITED NATIONS  
ON GLOBAL GEOSPATIAL INFORMATION  
MANAGEMENT FOR THE AMERICAS

# 9° SESSION

## UN-GGIM: Americas

Session 5: Regional Collaboration

# “CARIGEO LOOKING FORWARD”

**Simone M. Lloyd, GISP**  
Jamaica Focal Point & Caribbean Vocal

Tuesday November 29, 2022



November 28, 29 and 30  
Santiago de Chile, ECLAC



# 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)





**National Mapping  
Agencies**

**&**



**National Statistical  
Offices**

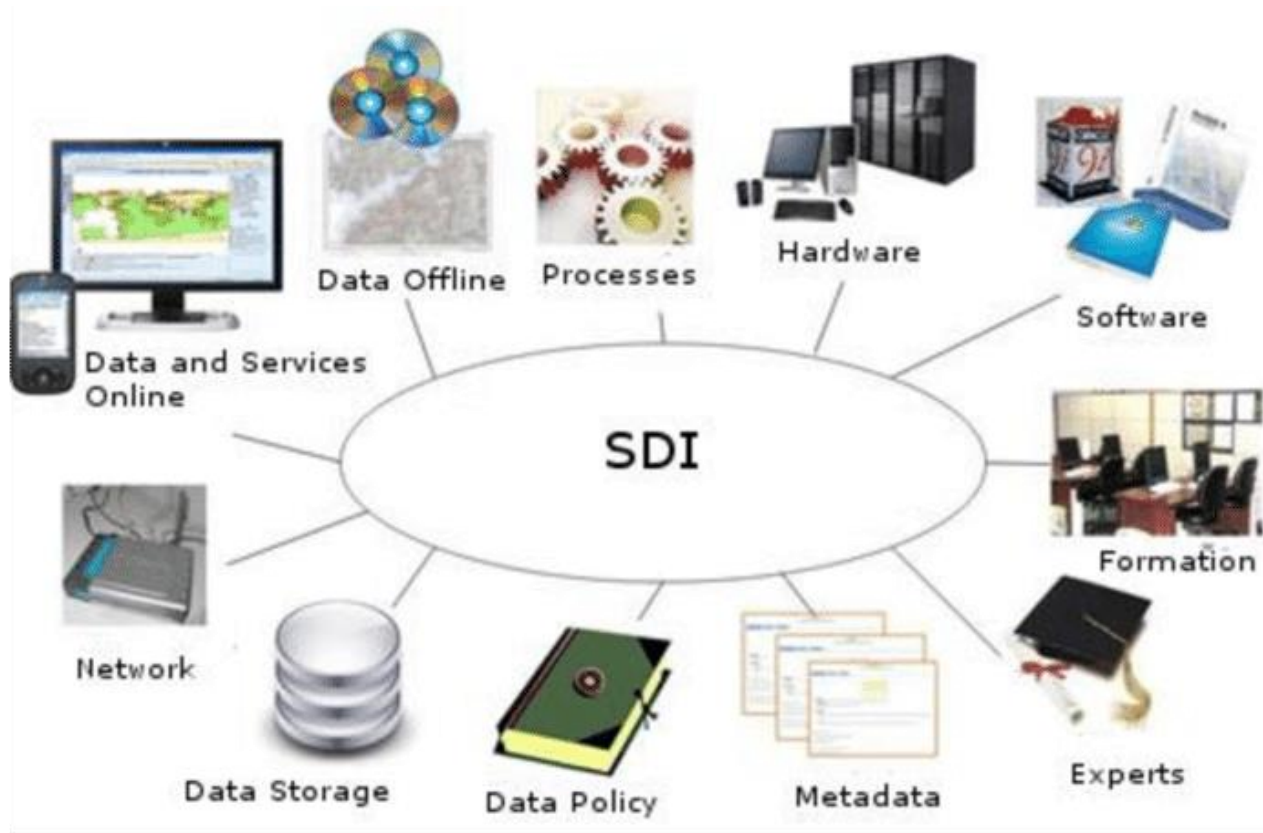
# CARIGEO's PURPOSE

- **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*



# CARIGEO's PURPOSE



# Steering Committee Membership



Membership	Representative
<b>Chaired by UN-ECLAC</b>	Alvaro Monet
<b>Member State: Barbados</b>	Michelle St. Claire
<b>Member State: Jamaica</b>	Simone Lloyd
<b>Academic Network (UWI St. Augustine)</b>	Bheshem Ramlal
<b>ECLAC Port of Spain</b>	Artie Dubrie and Elizabeth Thorne
<b>ESRI</b>	Linda Peters
<b>Private Sector Network (GeoTechVision Ltd)</b>	Valrie Grant
<b>UN-GGIM: Americas Secretariat representation (<i>past and present</i>)</b>	Gabriela Seco Pamela Castillo
<b>UN-GGIM Secretariat representation</b>	Cecille Blake

# Key Partnerships



# The Future We Want







Caribbean comprises **9 sub-regions** broken down into:

- **29 island territories**
- **10 continental territories**

## Caribbean Sub-regions



# Geo-empowered Caribbean Region

- CARIGEO, is a collaborative initiative that seeks to **geospatially 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**.
- Support countries and territories of the Caribbean in the **implementation of the Integrated Geospatial Information Framework (IGIF)**.



# CARIGEO

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**GEO-EMPOWERING THE CARIBBEAN**

A **community** of spatial data producers and users is **formed** and remains **active**

GIS and data management **capacities** are **improved** across the region

**Increased funding** is available for the creation and updating of **fundamental spatial datasets**

Spatial data is **shared** more broadly and **more openly** in the Caribbean



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**GEO-EMPOWERING THE CARIBBEAN**

Development decisions and **policy-formulation** take more advantage of geoinformation

**National Legislation** to regulate and promote the use of geoinformation is enacted

**Agreements** are instituted for **collaboration** and **corporation** on the use of geoinformation regionally

# 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**

# Achievements & Way Forward





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

# Caribbean Geoportal Webinar series

(April - August 2021)

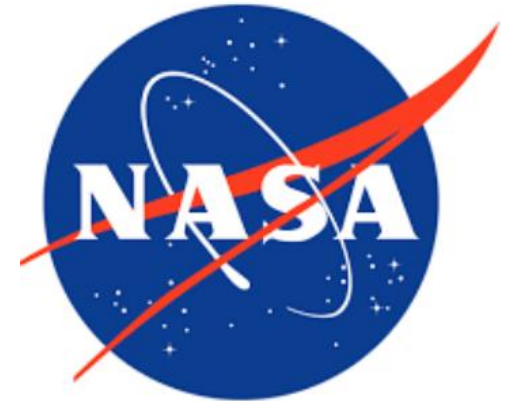
Webinar #1:  
**Learn How You Can Use  
the Caribbean GeoPortal**  
(April 21, 2021)

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)



# Key Partnerships for Caribbean Geoportal Webinar Series



# NEW Haiti Country page

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

Centralizing resources for:

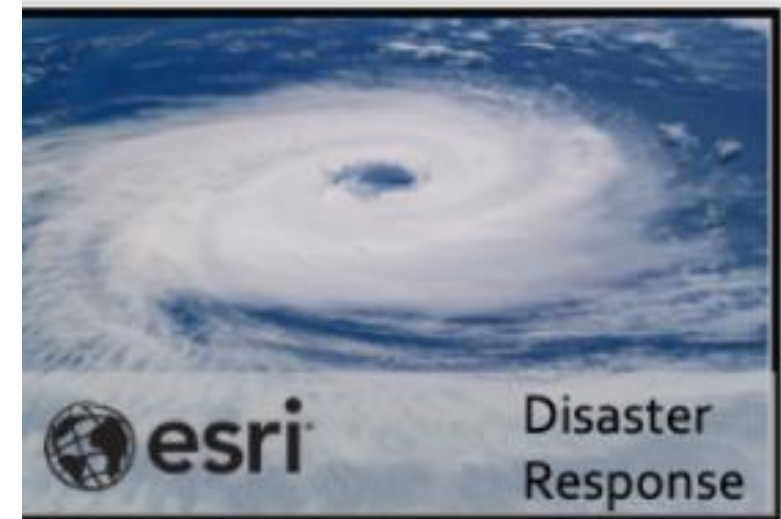
- Earthquakes
- Hurricane
- Flooding
- Soils
- Landslides
- And more..



## Damage Assessment in Nippes Department, Haiti

This map illustrates potentially damaged structures/buildings in Nippes department of Haiti as detected by using a satellite image acquired after the earthquake. UNOSAT analysis used a Worldview-2 image acquired on 14 & 16 August 2021, a Worldview-1 image acquired on 15 August 2021, a Worldview-3 image acquired on 16 August 2021, and Pleiades images acquired on 15 & 16 August 2021, as a post-event images.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to United Nations Satellite Centre (UNOSAT).



Hurricane and Cyclone Information

This map contains live feed sources for hurricane path and forecast path of tropical



Earthquake Information

Map containing live feed sources for earthquakes with a magnitude 3.5 or greater



Recent Global Earthquakes - Web App

This web app presents recent global earthquake information from the U.S

# Future Solutions, Data & Capacity Building

- Focus on new thematic areas
  - Maritime
  - IHO, Bathymetry data, MACHC
  - Tcarta other private sector providers
  - Caribbean Marine Atlas
  - Caricoos
- Oil Spills
- Marine Protection
- Sargassum
- University of Rhode Island Infrastructure data
- More...



Marine Protected Areas 2020

Building Effective Conservation Networks

Explore



Oil Spill Assessment for Marine Mammals

NOAA Publishes New Guidelines Assessing Exposure and Impacts of Oil Spills on Marine Mammals

Explore

# **2021 Webinars for Community Awareness Raising & Capacity Strengthening**



- **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

# **CARIGEO Student Your Story Competition**



A scenic view of a tropical coastline. In the foreground, a town with colorful buildings and palm trees is visible. The middle ground shows a beautiful turquoise beach and clear water. In the background, there are lush green mountains and a clear blue sky.

# YOUR CARIBBEAN STORY

We are pleased to announce the  
inaugural 2022 CARIGEO Student  
Competition

[Your Caribbean Story \(caribbeangeoportal.com\)](http://caribbeangeoportal.com)



# “Your Caribbean Story” Competition



- Launched January 2022
- Eligible participants:
  - University students studying in the Caribbean region
  - Citizens/Students from the region studying abroad
- Judged by Geography and Geospatial experts from across Caribbean region and internationally

We have our  
Winners!!!

## 2022 YourCaribbean Story Winners

Category	Title	Author	School	Country
Women in GIS	<a href="#">Portland: The Past and Future of Jamaican Tourism</a>	Laura Logan	Dartmouth College	Jamaica
Climate Change	<a href="#">Planting for Tomorrow in T&amp;T</a>	Josef Paty	University of West Indies	Trinidad and Tobago
Sustainability	<a href="#">Why switch to Compressed Natural Gas (CNG)?</a>	Jerald John	University of West Indies	Trinidad and Tobago
Development	<a href="#">Busy Bus Bustles in Bago</a>	Bryan Jordan	University of West Indies	Trinidad and Tobago
Best Story Map	<a href="#">Living in the Fear of Flood</a>	Afia Boney	Okayama University	Trinidad and Tobago
Best App	<a href="#">Waste Management in Guyana</a>	Elton Sampson	JAIN Online	Guyana
Best Research	<a href="#">THROUGH WIND AND RAIN</a>	Shaughna-Lee	University of West Indies	Jamaica

# 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



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...



5 Climate Change Winner: Planting for Tomorrow...



6 Sustainability Winner: Why switch to...



A decorative graphic on the right side of the slide. It features a large blue triangle pointing downwards, which contains a photograph of a coral reef. This triangle is surrounded by other geometric shapes: a red triangle at the top, a green triangle at the bottom, and a blue parallelogram on the right side. The shapes are separated by thin white lines.

# CARIGEO Sargassum Project

**UNDER THREAT**



Sun, Sea & Sand Tourism in the Caribbean threatened by sargassum.

# Sargassum Satellite Early Warning System

- The CARIGEO Steering Committee is proposing to undertake a **Sargassum Satellite Early Warning System.**
- This system proposes to:
  - support Caribbean Member countries in the **monitoring, management, and mitigation of Sargassum impact.**
  - **estimate the arrival of Sargassum based on satellite data and drone imagery.**

# **IGIF Workshop for Caribbean Region**

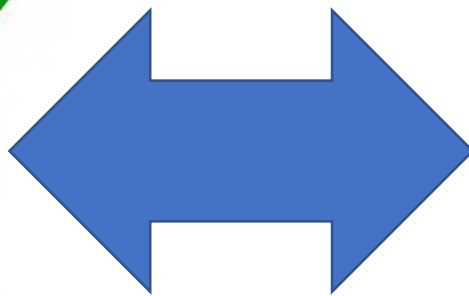


# “Implementation of Global Guidelines to Strengthen Geospatial Information Management In the Caribbean”

- The diagnoses carried out by the group on geospatial data infrastructures of the United Nations Regional Committee on Global Geospatial Information Management for the Americas:
- **For the years 2018, 2019 and 2020, generally low levels of progress reported in national geospatial initiatives, taking into consideration the evaluation of aspects related to institutions, technology, data and human resources.**
- It is intended that this workshop be the starting milestone of the IGIF implementation process in the Caribbean region, within the framework of the execution of the work plan of UN-GGIM: Americas.
- **To be hosted: early 2023**







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Thank You!

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