Learn How You Can Use the Caribbean GeoPortal

Get Answers: Questions will be answered in dedicated sessions throughout. You can submit them at anytime through the Q&A module.

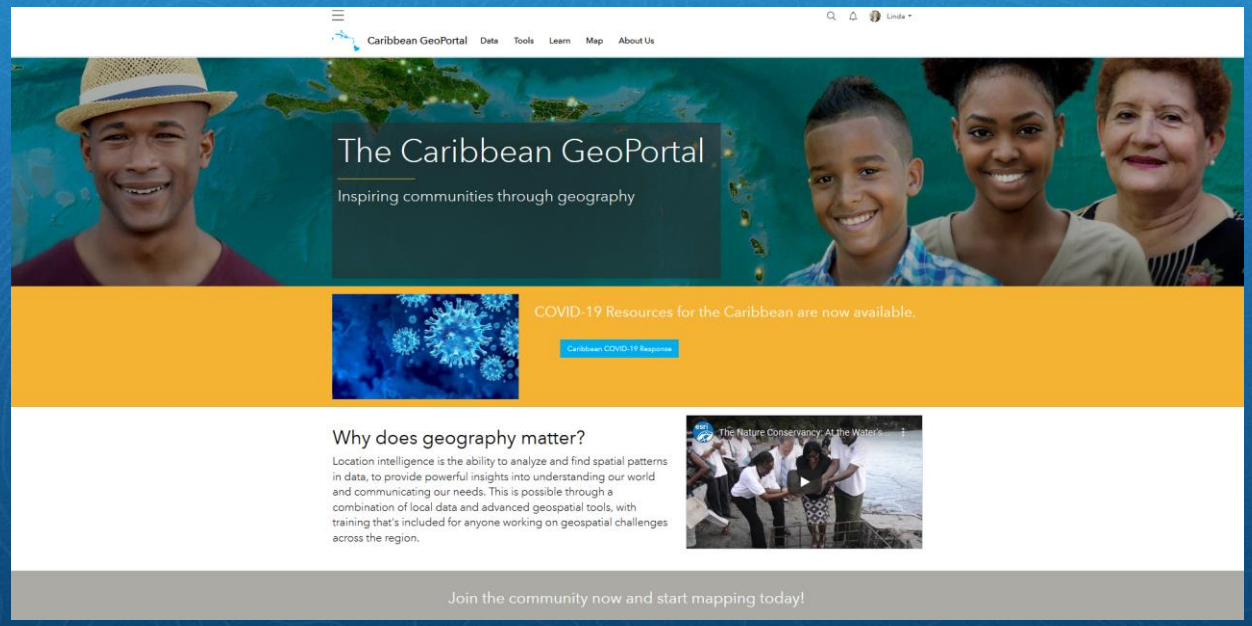
On-Demand: The recording will be posted shortly after the webinar.

You'll receive an email with the link to view or download.

Start time: The webinar will start at 7:00 am Pacific

Contact us: For anything else, please email us: **kelleymoreno@esri.com**

Learn How You Can Use the Caribbean GeoPortal



Caribbean GeoPortal

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)

Today's Presenters

Simone Lloyd
Senior Geographic Information Systems Manager & Trainer
National Spatial Data Management Branch/ Land Information Council of Jamaica

Roshaun Clarke
Deputy Chief Executive Officer
Spatial Innovision Limited

Sean McGinnis
GeoPortal Program Manager
Esri

Taiwo Ogunwumi
GIS and Information Management Specialist
UN Migrations, Nigeria

Agenda

Introduction	Overview	Discussion	Hands on	Case Study	Conclusion
Why is this important to the community?	What is the Caribbean GeoPortal	Where do I start? What can I do? How do I get access?	Set up an account Join the community	Putting the tools to work	Resources Questions

Caribbean GeoPortal

Why is this important to the Caribbean community?

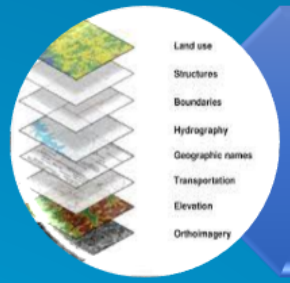
Simone Lloyd

Caribbean is a diverse region comprised of over 700 islands, islets, reefs and cays that surround the Caribbean Sea and lie on the Caribbean Tectonic plate

Diverse given historical setting, geographical location, geological setting, etc.

Issues: socio-economic, environmental & climate change, hydrometeorological, geomorphological and health hazards etc.

Importance to Caribbean Community



Opportunity to examine and assess Caribbean issues via upload and access to relevant, current, complete and accurate geospatial data and technology

Analytical tools and web services are freely available to the community for anyone doing work in the region.

open mapping community across the Caribbean with open data hosting for governments that want to contribute their data to the community at no cost.

Importance to Caribbean Community

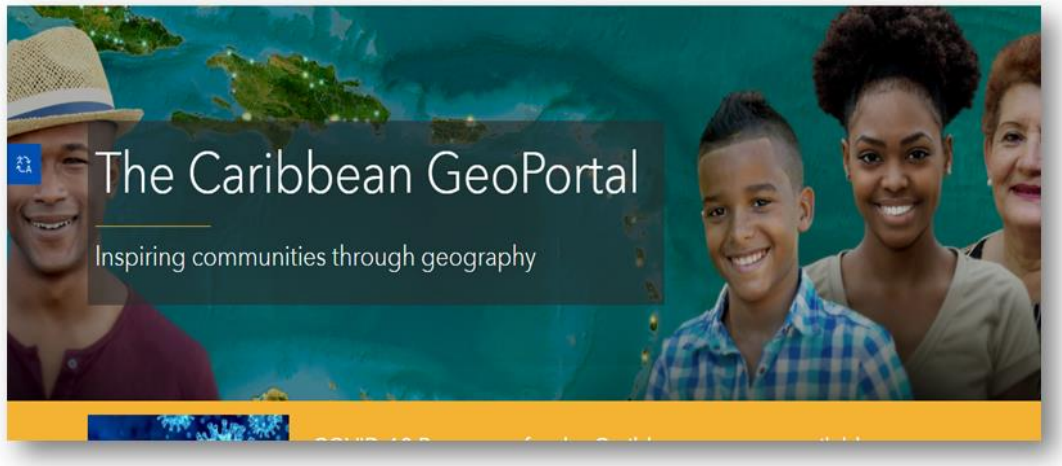
Inter-operable platform that works with a variety of locally run software programs

People throughout the region are able to access leading-edge solutions, innovations, and services that improve their livelihood.

Access to training opportunities to build geospatial capacity and utility of provided resources

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 9, 2021)

Webinar #3:

Metadata, Maintenance & Best Practices on Data Sharing

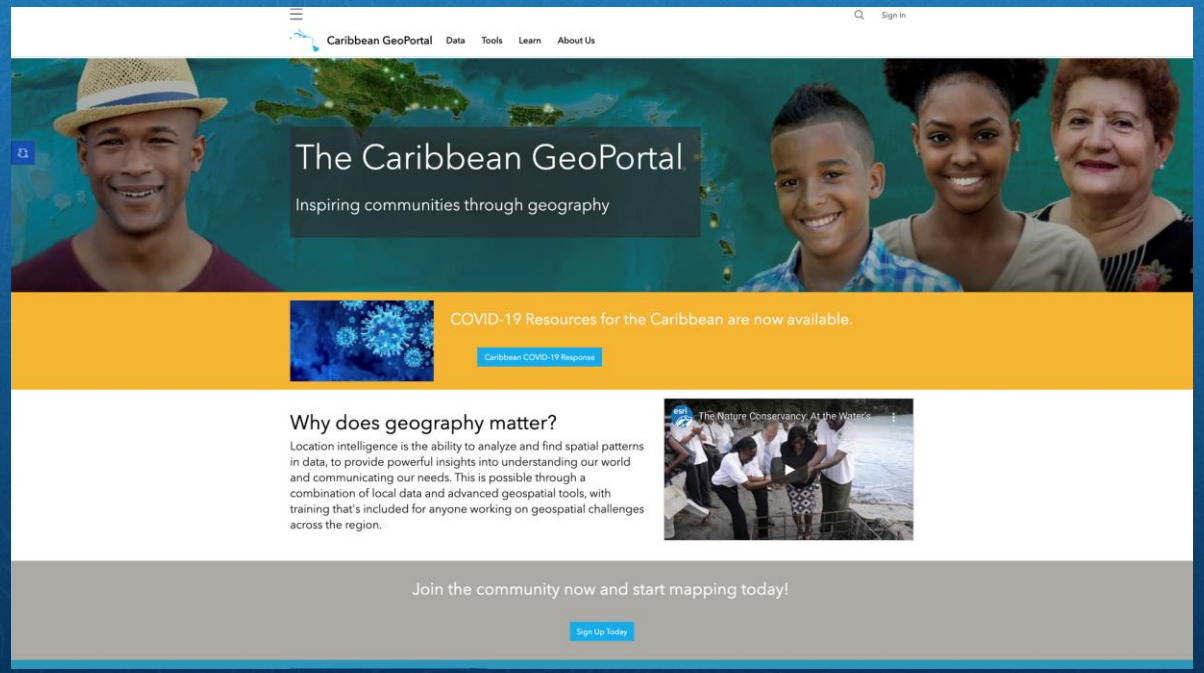
(August 26, 2021)

What is the Caribbean GeoPortal?

Roshaun Clarke

What is the Caribbean GeoPortal?

- 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



A portal built for the community – by the community

The Caribbean GeoPortal: Tools and Content

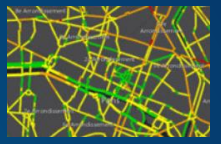
The Caribbean GeoPortal provides full access to ArcGIS Online, providing access to tools for mapping, analytics, sharing and collaboration, and a suite of templates and field applications

Content available includes:

Admin boundaries

Land cover

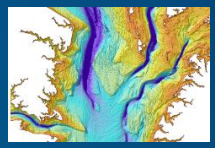
Imagery



Real-time traffic

Wind & weather conditions

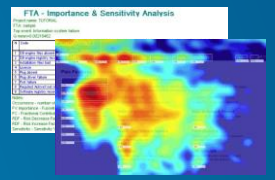
Demographics



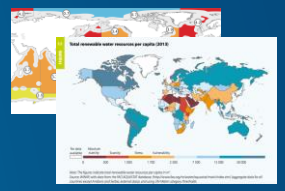
Bathymetry

Oceans

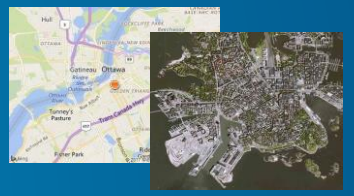
Open Data Sources



Community Data (Govs-NGOs-AID Orgs.)



Commercial Data



Caribbean GeoPortal

The Caribbean GeoPortal: Tools and Content

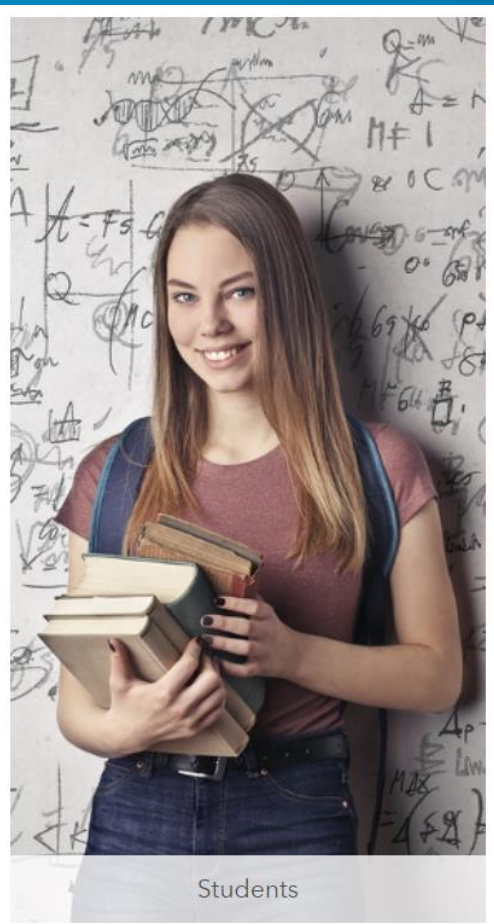
The Caribbean GeoPortal provides full access to ArcGIS Online, providing access to tools for mapping, analytics, sharing and collaboration, and a suite of templates and field applications

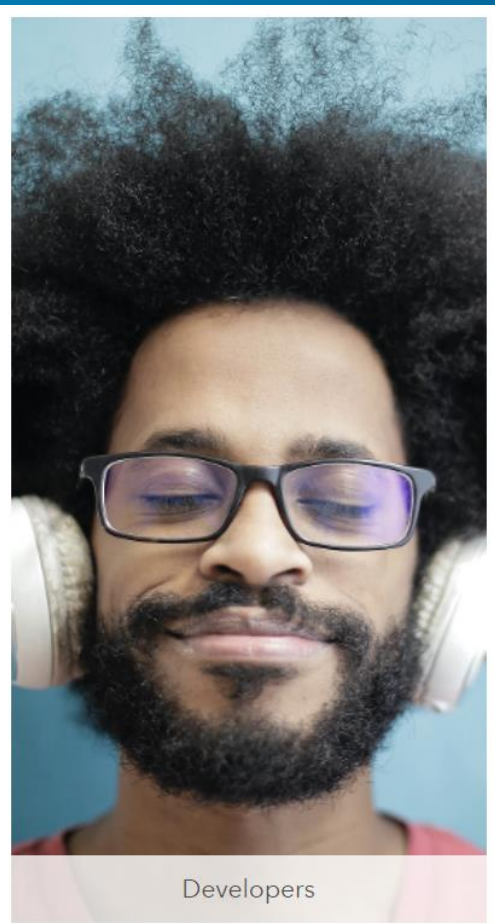
Tools available provide ability to:

- **Create web maps**
- **Apply spatial analytics**
  - **Aggregate, join, summarize, enrich**
  - **Find, Search, Geocode**
  - **Analyze patterns, calculate density**
  - **Manage data – dissolve, extract, merge and overlay**
- **Do work in the field**

Caribbean GeoPortal

Who will use the GeoPortal?


Students


Developers

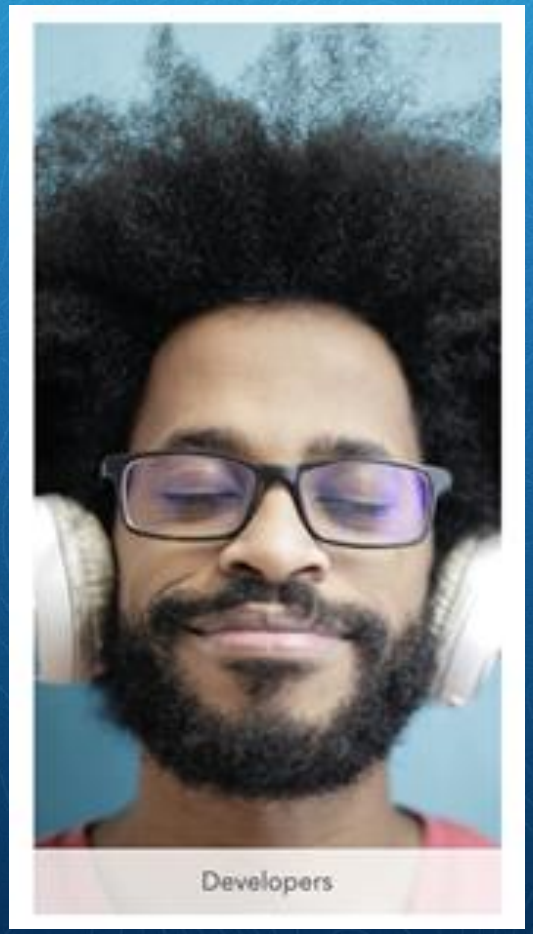
Leaders

Business Partners

Students

- Create and share personal projects
- Contribute work to my community
- Learn new GIS concepts and tools
- Use open data science libraries
- Long lived coursework

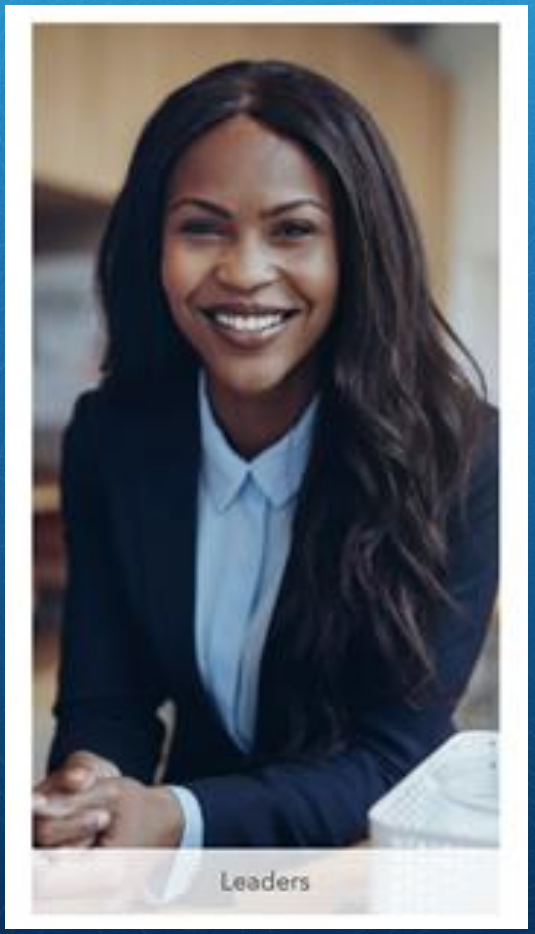
Developers



- Create and Share Personal Projects
- Learn new GIS concepts and tools
- Work with API’s & SDK’s
- Use data through REST services
- Prototype applications

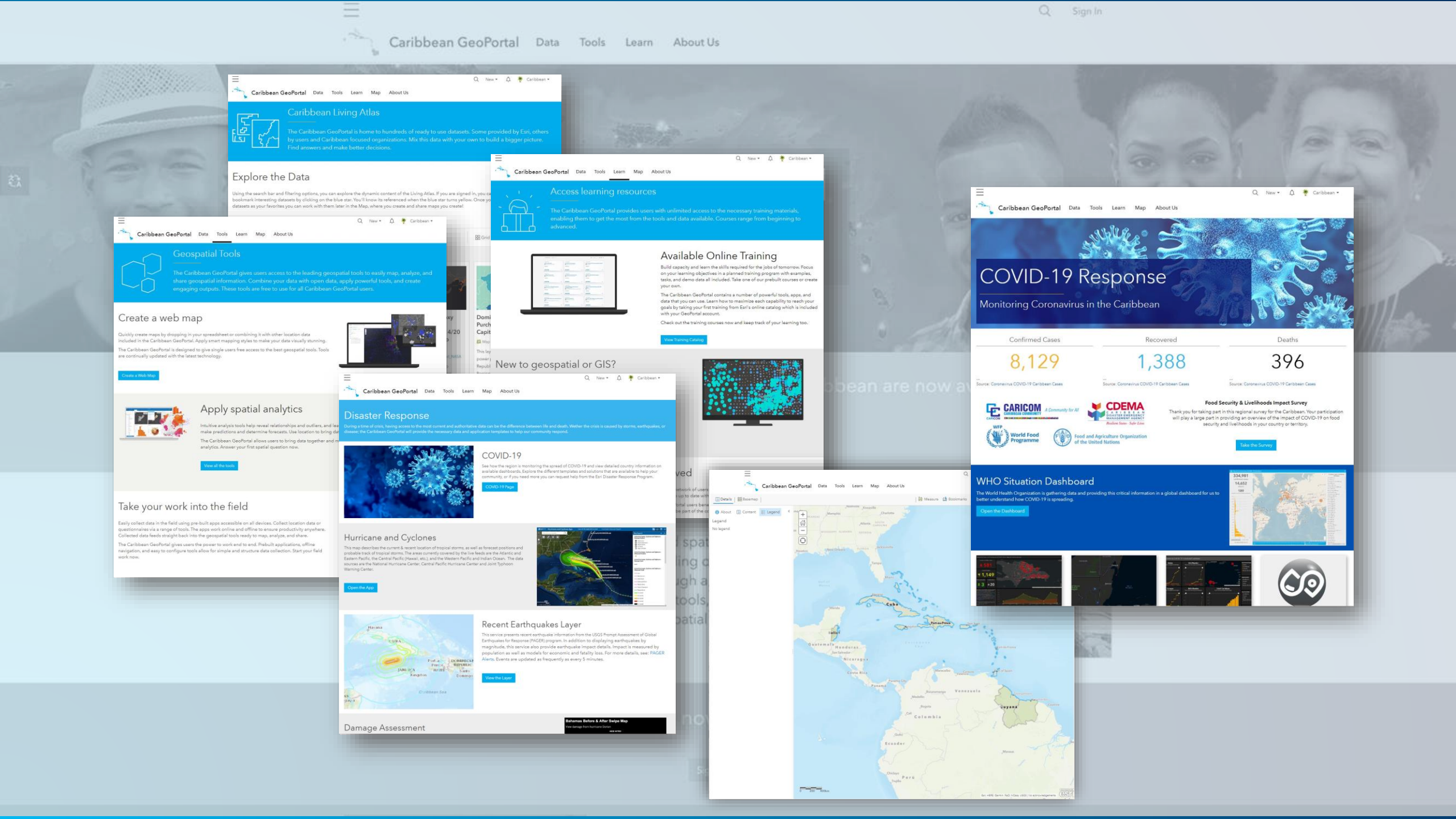
Leaders

- Showcase agency work
- Share data to enabled community
- Demonstrate emergency preparedness and response
- Build community network
- Support current events

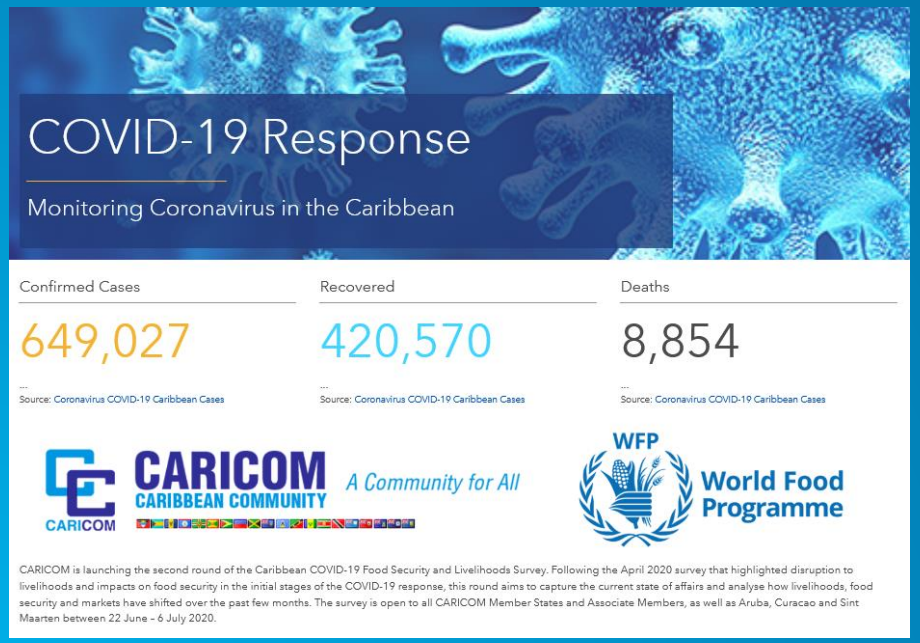


Business Partners

- Provide and promote data products
- Build relationships with Community
- Support organization goals for public good
- Develop new solutions

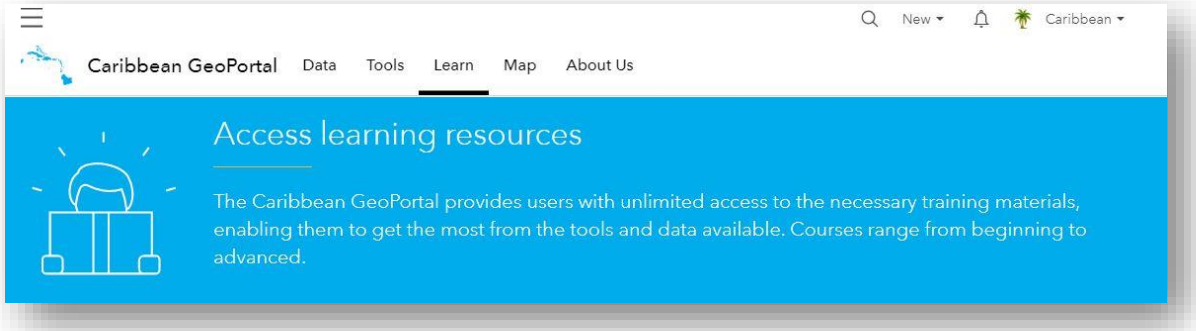

Caribbean GeoPortal
Data
Tools
Learn
About Us
Sign In
Caribbean Living Atlas
The Caribbean GeoPortal is home to hundreds of ready to use datasets. Some provided by Esri, others by users and Caribbean focused organizations. Mix this data with your own to build a bigger picture. Find answers and make better decisions.
Explore the Data
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
Geospatial Tools
The Caribbean GeoPortal gives users access to the leading geospatial tools to easily map, analyze, and share geospatial information. Combine your data with open data, apply powerful tools, and create engaging outputs. These tools are free to use for all Caribbean GeoPortal users.
Create a web map
Quickly create maps by dropping in your spreadsheet or combining it with other location data included in the Caribbean GeoPortal. Apply smart mapping styles to make your data visually stunning.
The Caribbean GeoPortal is designed to give single users free access to the best geospatial tools. Tools are continually updated with the latest technology.
Create a Web Map
New to geospatial or GIS?
Apply spatial analytics
Intuitive analysis tools help reveal relationships and outliers, and help you make predictions and determine forecasts. Use location to bring data together and more analytics. Answer your first spatial question now.
View all the tools
Take your work into the field
Easily collect data in the field using pre-built apps accessible on all devices. Collect location data or questionnaires via a range of tools. The apps work online and offline to ensure productivity anywhere. Collected data feeds straight back into the geospatial tools ready to map, analyze, and share.
The Caribbean GeoPortal gives users the power to work end to end. Prebuilt applications, offline navigation, and easy to configure tools allow for simple and structure data collection. Start your field work now.
Disaster Response
During a time of crisis, having access to the most current and authoritative data can be the difference between life and death. Whether the crisis is caused by storms, earthquakes, or disease; the Caribbean GeoPortal will provide the necessary data and application templates to help our community respond.
COVID-19
See how the region is monitoring the spread of COVID-19 and view detailed country information on available dashboards. Explore the different templates and solutions that are available to help your community, or if you need more you can request help from the Esri Disaster Response Program.
COVID-19 Page
Hurricane and Cyclones
This map describes the current & recent location of tropical storms, as well as forecast positions and probable track of tropical storms. The areas currently covered by the live feeds are the Atlantic and Eastern Pacific, the Central Pacific (Hawaii, etc.), and the Western Pacific and Indian Ocean. The data sources are the National Hurricane Center, Central Pacific Hurricane Center and Joint Typhoon Warning Center.
Open the App
Recent Earthquakes Layer
This service presents recent earthquake information from the USGS Prompt Assessment of Global Earthquakes for Response (PAGER) program. In addition to displaying earthquakes by magnitude, this service also provide earthquake impact details. Impact is measured by population as well as models for economic and fatality loss. For more details, see: PAGER Alerts. Events are updated as frequently as every 5 minutes.
View the Layer
Damage Assessment
Bahamas Before & After Swipe Map
COVID-19 Response
Monitoring Coronavirus in the Caribbean
Confirmed Cases
8,129
Recovered
1,388
Deaths
396
Source: Coronavirus COVID-19 Caribbean Cases
CARICOM
CDEMA
World Food Programme
Food and Agriculture Organization of the United Nations
Food Security & Livelihoods Impact Survey
Thank you for taking part in this regional survey for the Caribbean. Your participation will play a large part in providing an overview of the impact of COVID-19 on food security and livelihoods in your country or territory.
Take the Survey
WHO Situation Dashboard
The World Health Organization is gathering data and providing this critical information in a global dashboard for us to better understand how COVID-19 is spreading.
Open the Dashboard

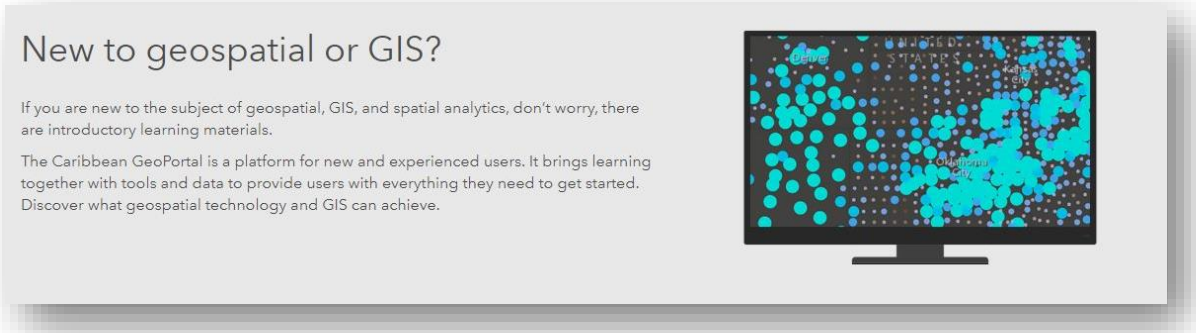
Information on Disasters



The Caribbean GeoPortal: Learning

The Caribbean GeoPortal also provides access to learning – using learn lessons – users will have access to a library of free lessons in multiple languages





Caribbean GeoPortal

The GeoPortal
Vision & Objectives

The vision is to provide a ‘one stop shop’ portal for geographic content and comprehensive web GIS tools, free for single users residing in, supporting efforts, or working in the region.

Caribbean GeoPortal

This will:

Remove the barriers to entry to geospatial technology, data and learning for users working in the region

Enable a sustainable portal of portals for existing and new geospatial data focused in the region

Provide a portal built for the community – by the community

Caribbean GeoPortal

“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

Open Q/A

Poll Question

Please Tick the Boxes that Apply to You

Facilitate Discussion and Demonstrations

Sean McGinnis and Roshaun Clarke

How to sign in to Caribbean GeoPortal

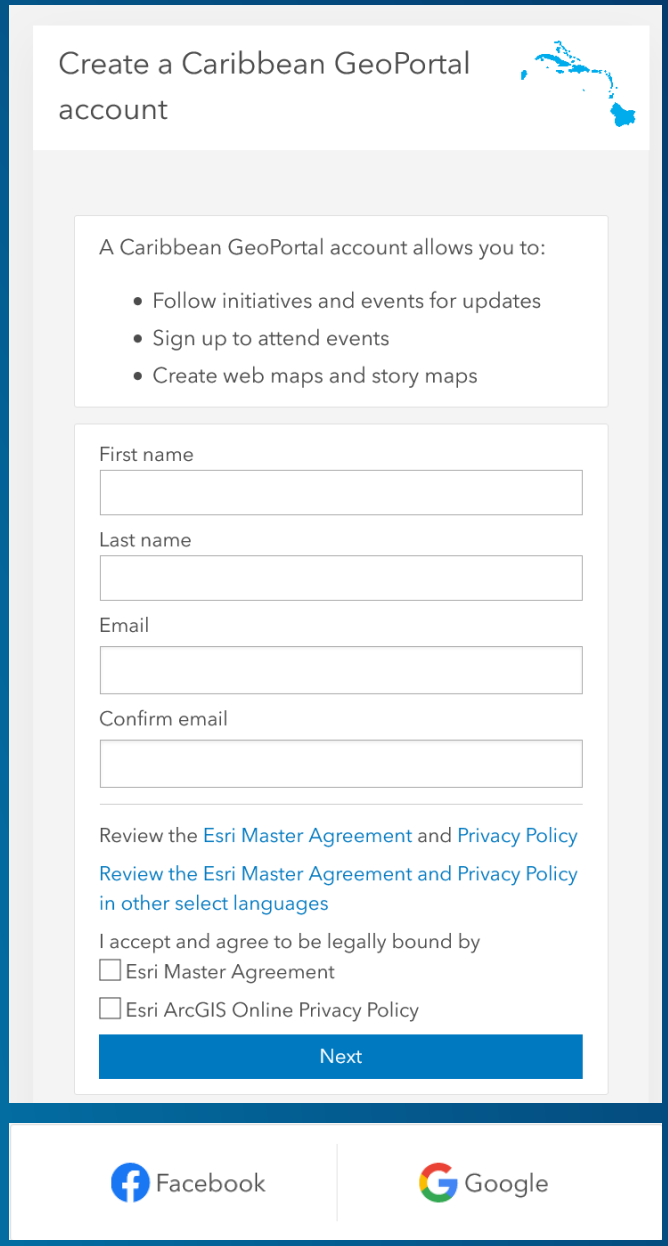
- **Need to sign up from scratch?**

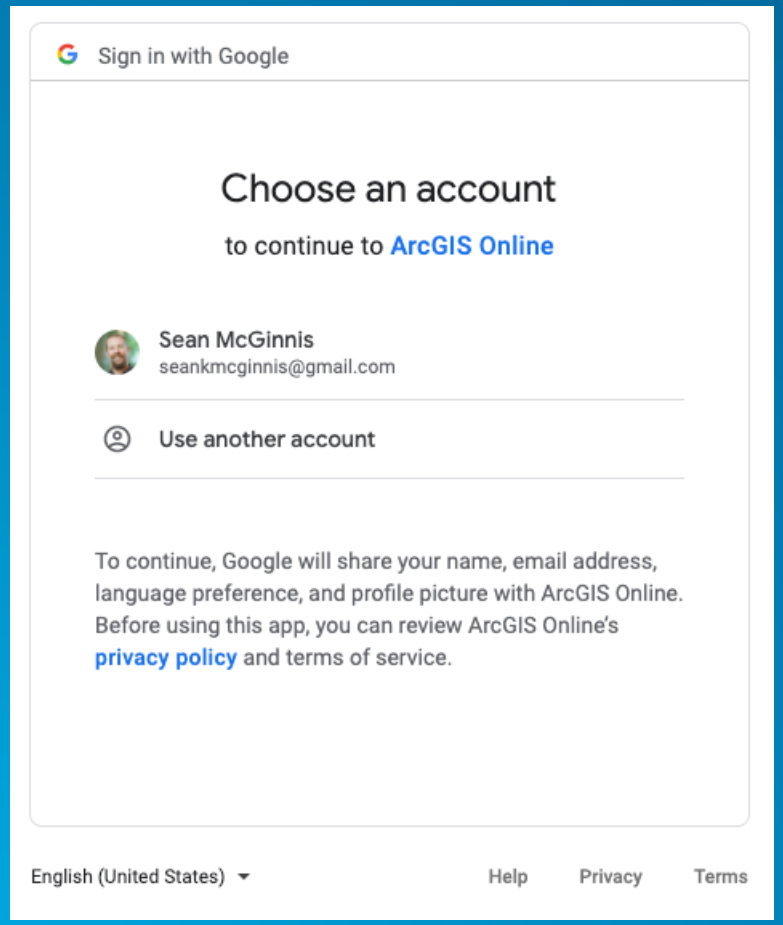
Join the community now and start mapping today!

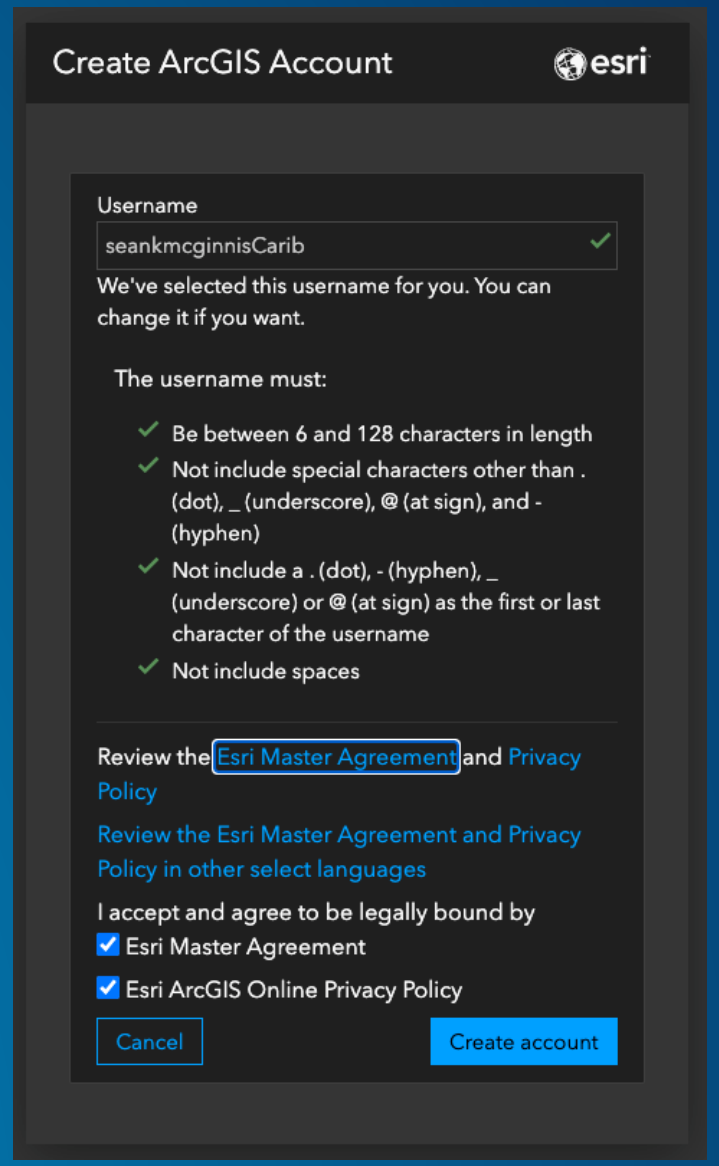
Sign Up Today

- **Already have an ArcGIS online Account?**

- **I have a university account - can I use that?**




Sign in with Google
Choose an account
to continue to ArcGIS Online
Sean McGinnis
seankmcginnis@gmail.com
Use another account
To continue, Google will share your name, email address, language preference, and profile picture with ArcGIS Online. Before using this app, you can review ArcGIS Online's privacy policy and terms of service.
English (United States)
Help
Privacy
Terms


Create ArcGIS Account
esri
Username
seankmcginnisCarib
We've selected this username for you. You can change it if you want.
The username must:
Be between 6 and 128 characters in length
Not include special characters other than . (dot), _ (underscore), @ (at sign), and - (hyphen)
Not include a . (dot), - (hyphen), _ (underscore) or @ (at sign) as the first or last character of the username
Not include spaces
Review the Esri Master Agreement and Privacy Policy
Review the Esri Master Agreement and Privacy Policy in other select languages
I accept and agree to be legally bound by
Esri Master Agreement
Esri ArcGIS Online Privacy Policy
Cancel
Create account

Open Q/A

Questions

Q1) Do I need to pay to use any of the tools provided in the Caribbean GeoPortal?

*A) **No**, there is no cost to use the GeoPortal.*

Q2) My Office doesn't use any Esri technology, can I still participate in this mapping community?

*A) **Yes**, the GeoPortal program is an open mapping community with no requirements on being an Esri customer.*

Q3) Do I have to have an ArcGIS Online account to use the GeoPortal?

*A) **No**. You can create a free account when you join the community.*

Q4) I already have access to ArcGIS Online at work (organization account) or at home (personal account) , how do I use the Caribbean GeoPortal?

A) If you already have an ArcGIS Account for your professional work or have a public account, you can share your data and applications with the community.

*If you already have an ArcGIS Account but want to do some **personal** mapping to help the community, the GeoPortal is a place where your project can live and be accessible to the public.*

Questions

Q5) I don't use Esri technology today but use open source GIS how can this help me?

A) The data you upload to the GeoPortal is your data, and it can be accessed through a variety of web API's or open file formats for use in the application of your choice and made accessible to the community.

Q6) I use QGIS for my desktop GIS, how do I create and use content from the Caribbean GeoPortal?

A) With your GeoPortal Account you can upload shapefiles that are in a .zip file or you can upload GeoJSON files, to create web services. These web services can be added to QGIS using the ArcGIS Feature Server connection.

Q7) Can Caribbean software developers embed content into their applications?

*A) **Yes**, all the services (content) shared on the geoportal are RESTful web services.*

Q8) Can I add my own data (Shapefiles) and mesh it up with Geoportal content?

*A) **Yes**.*

Q9) How large a file can I upload?

A) You can upload files up to 200 GB in size to My Content through a web browser.

Q10) Can we download data from the Geoportal?

*A) **Yes**, unless the data provider prohibits download capability.*

Questions

Q11) Do common search engines find the items I've added to Caribbean GeoPortal?

*A) **Yes**. Items that are uploaded and shared as public are automatically indexed by popular search engines and can be discovered by common search methods. If you are on the website, you can also use its search function to find items.*

Q12) Can users compose/classify maps on the GeoPortal?

*A) **Yes**. Smart Mapping functionality is available as well.*

Q13) Can I share 3D geometry in feature layers?

*A)**Yes***

Q14) I might want to stand up a country page – how does that work?

A) Country Pages are a great way to share authoritative data and applications with the community. To set one up, reach out to the Caribbean GeoPortal team. There is no charge for participating at this level, but we do want a mutual understanding that you have the rights to share the authoritative data and the data will be updated and maintained.

Questions

Q15) Does my subscription to the Caribbean GeoPortal time out?

A) NO!

Q16) What tools does the portal provide?

A)There are 30+ Geospatial Analytic services that are available, as well as data hosting, geocoding, routing and more. These tools cover some of the most common needs, and advanced developers can use a variety of open data science libraries that are available through jupyter notebooks.

Poll Question

Please Tick the Boxes that Apply to You

Hands on

Sean McGinnis

Crowd Source Community Survey and Map

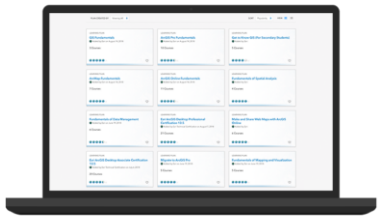
Join the Community

Case Study

Taiwo Ogunwumi

Getting Started with the African Geoportal

https://www.esri.com/training/catalog/5c5b28092c10d337f917a20f/get-started-with-the-africa-geoportal/

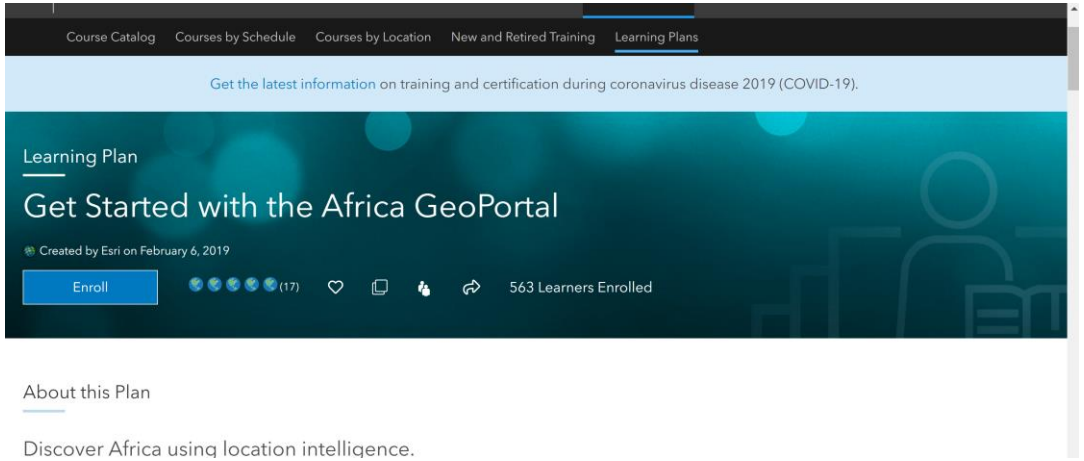


Training tailored for you

Access training that fits your needs. 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 Africa GeoPortal contains a number of powerful tools, apps, and data. Learn how to maximize each use to reach your goals by taking your first training. Check out the training courses now and keep track of your learning too. Sign up for a free Africa Geoportal account to check out the training courses now and keep track of your learning too.

Start your first training



About this Plan

Discover Africa using location intelligence.

VIDEO Africa GeoPortal: Add Data	3 Minutes	Free	(296)
VIDEO Africa GeoPortal: Create a Web Map	4 Minutes	Free	(191)
VIDEO Africa GeoPortal: Configure Pop-ups	3 Minutes	Free	(141)
VIDEO Africa GeoPortal: Style Your Map Layers	3 Minutes	Free	(253)

VIDEO Africa GeoPortal: Create a Data Collection Survey	3 Minutes	Free	
VIDEO Africa GeoPortal: Collect Data Using a Survey	2 Minutes	Free	
VIDEO Africa GeoPortal: Prepare a Map for Field Data Collection	3 Minutes	Free	
VIDEO Africa GeoPortal: Collect Field Data	2 Minutes	Free	

ArcGIS StoryMap

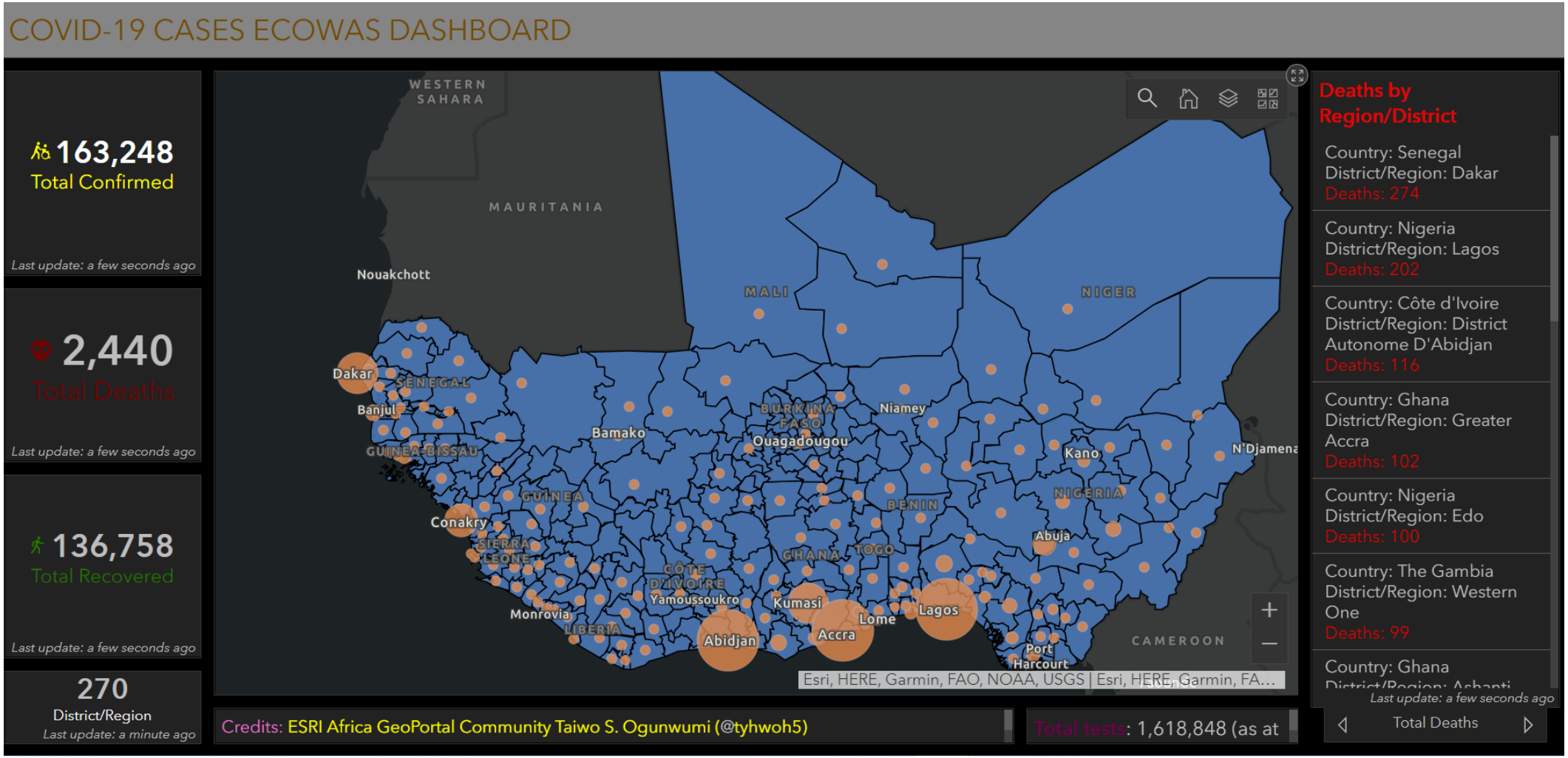
There were numerous hazard occurrence at my neighbourhood ranging from Flooding, Landslide and Fire. Hence, the need to communicate the role of Citizens in responding to hazardous events.

https://storymaps.arcgis.com/stories/4583ad2d5cc745b5996ef0e436f5f4b2

ArcGIS DASHBOARD

Fast forward to the emergent of Covid-19 I co-worked with a friend to develop an Interactive Dashboard to help communicate Covid-19 cases and guide health care, government and community to make effective decision.

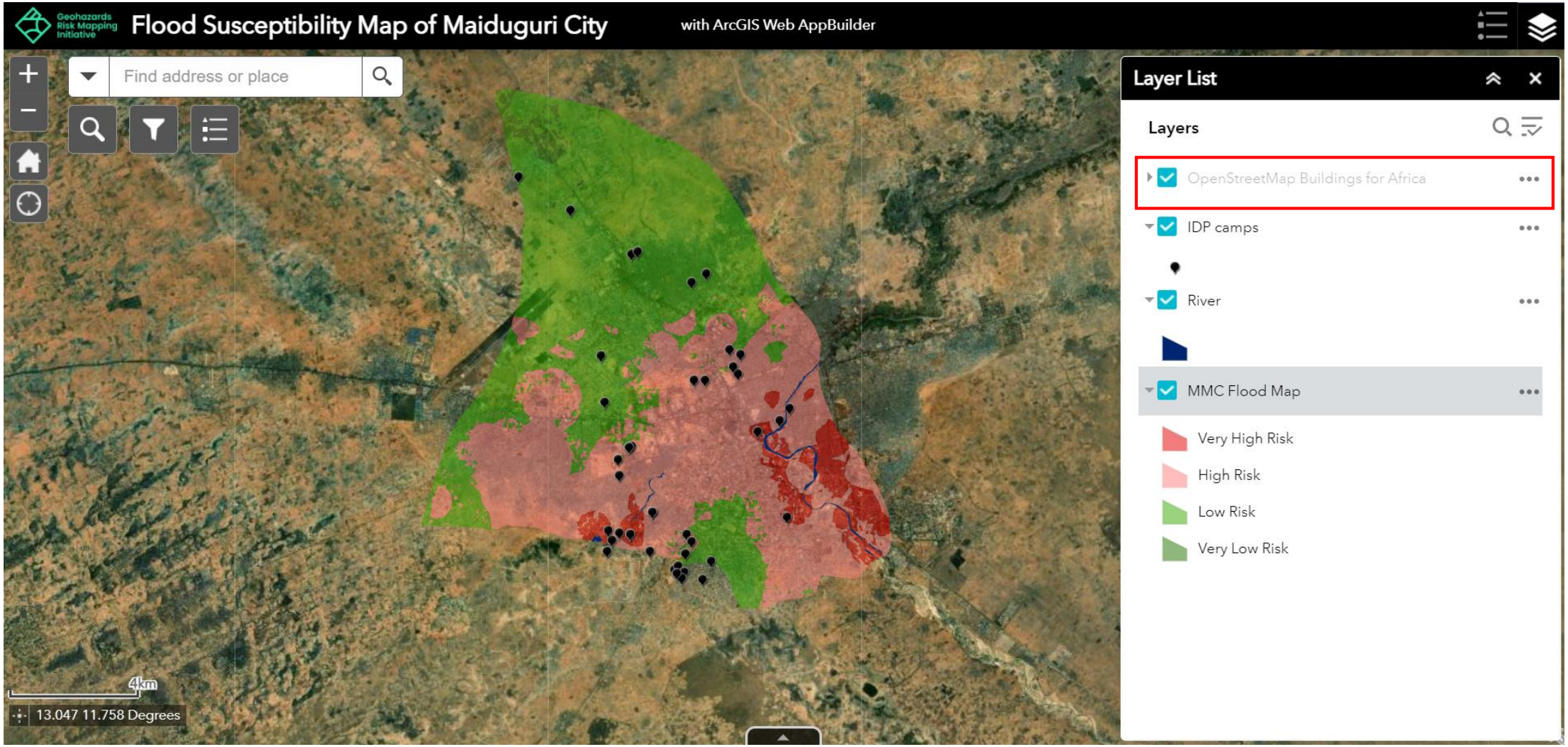
https://africageoportal.maps.arcgis.com/apps/opsdashboard/index.html#/a6c43cc41a3c4774a97997a3ab5fa9d4



ArcGIS Web AppBuilder

To support in addressing the issue of consistent Flooding in part of Nigeria. I used the Geoportal to create Early warning Flood Maps (Showing various IDP campsite that are vulnerable to Flooding in Maiduguri). Added the Openstreetmap layers capability available through Africa geoportal.

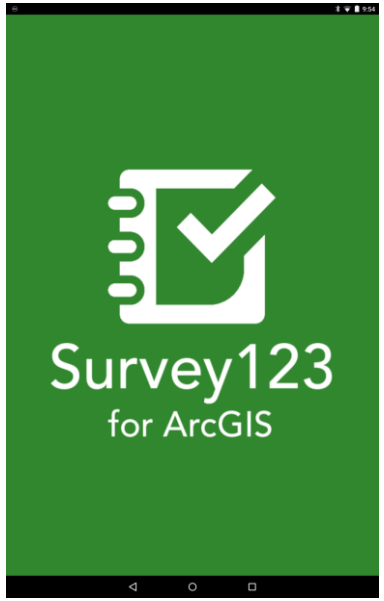
https://africageoportal.maps.arcgis.com/apps/webappviewer/index.html?id=7cba8204d65c4ceda63c7c89e632606b

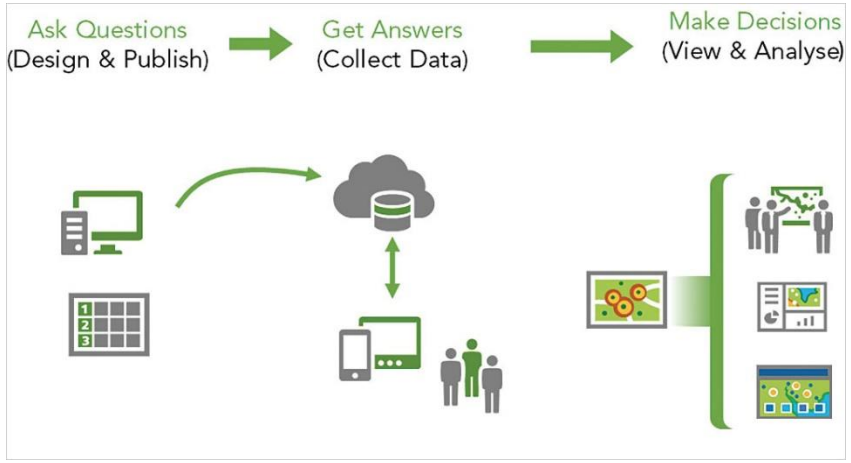


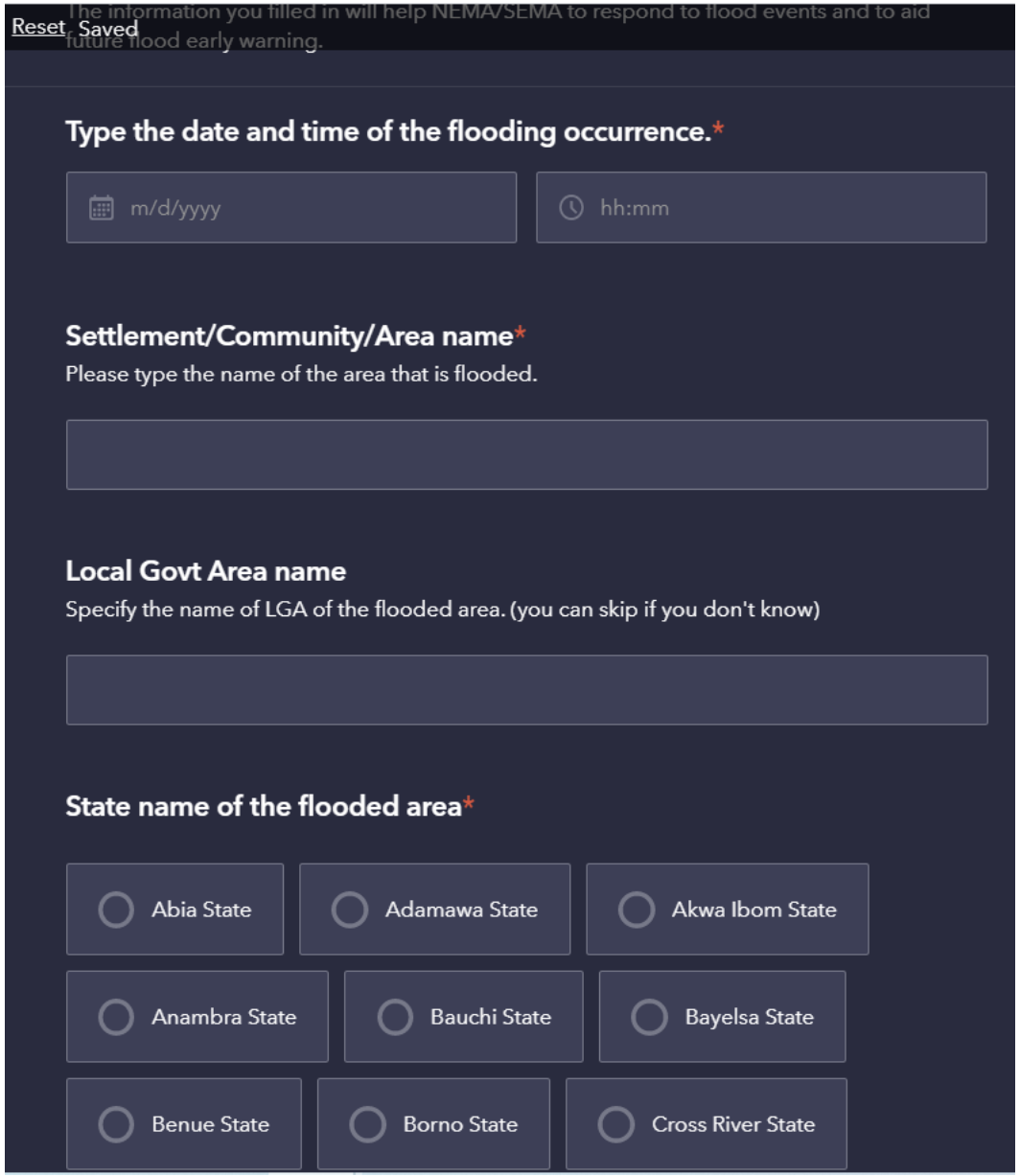
Survey123 App

To aids quick flood response and for future early warning, I make use of the Africageoportal platform to develop a Survey app (using either web or mobile device) that can be used by the community member to record flood events.

https://arcg.is/1rSqv1

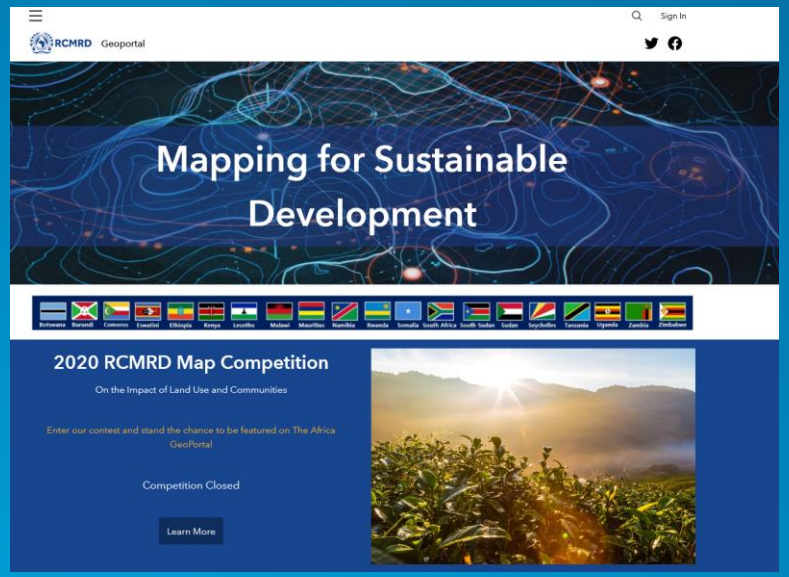


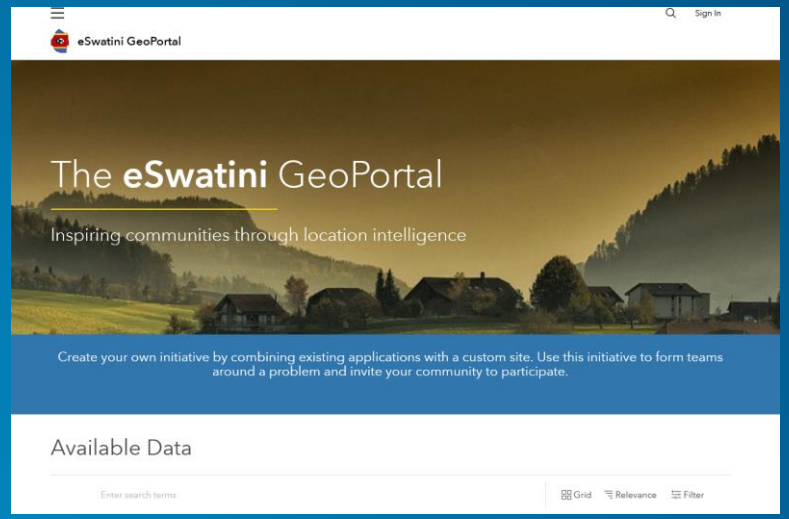


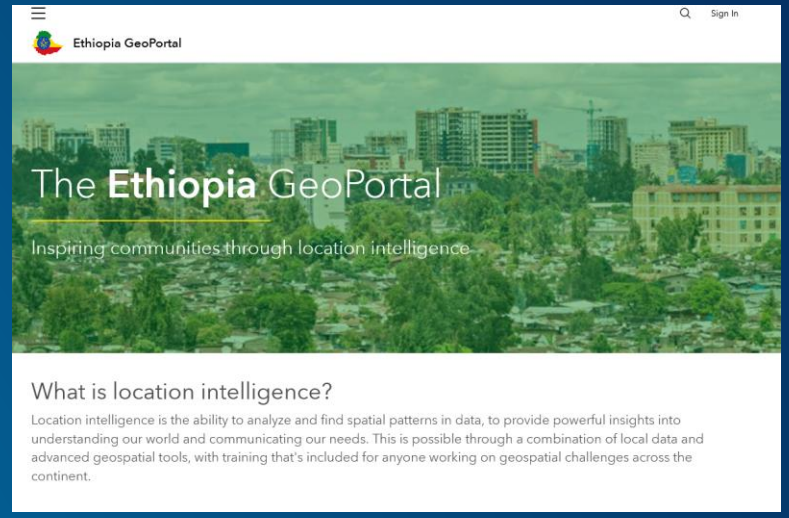


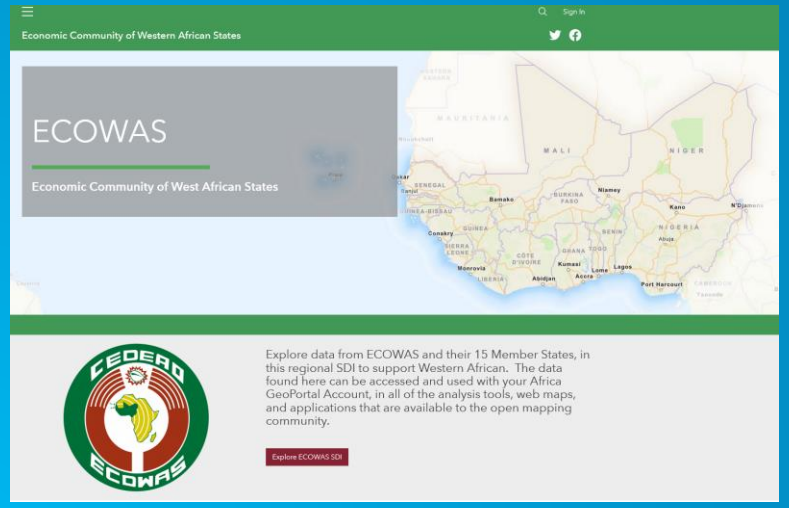
Open Q/A

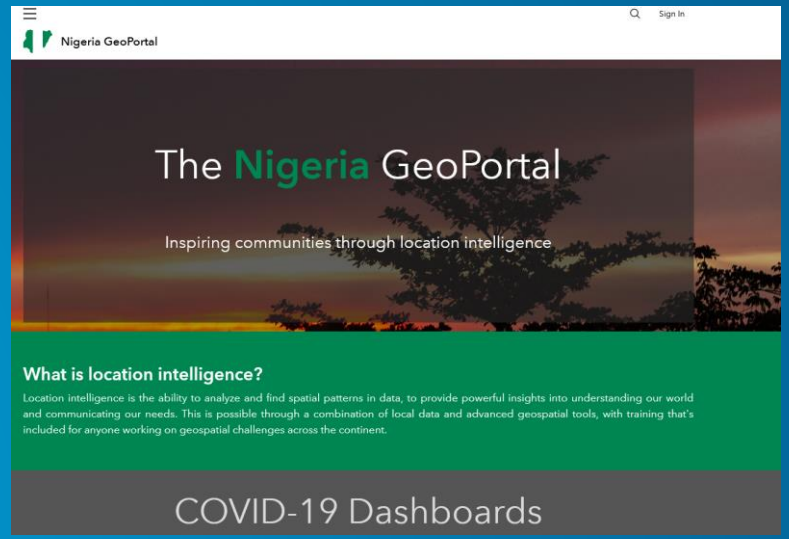
Example use in community











Conclusions

Simone Lloyd

Conclusion

- The Caribbean Geospatial Development Initiative (GARIGEO) Steering Committee through ESRI has provided this platform for the Caribbean Community
- Encourage exploration of the tools, functionalities and data available
- Encourage open use, upload, sharing and analysis of data relevant to the region
- Encourage utility of platform to support decision making throughout the region
- Supporting geospatial capacity building via platform and webinar series

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 9, 2021)

Webinar #3:

Metadata, Maintenance & Best Practices on Data Sharing

(August 26, 2021)

Sign up here today for webinar #2

Caribbean GeoPortal

How will you use it?

https://www.caribbeangeoportal.com

Sign up here today for webinar #2 June 9th focus on disasters