



COVID-19: Strategies for a Geospatial Response in the Americas

UN GGIM Americas Webinar

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GIS

A Complete System for Understanding and Responding to Pandemics



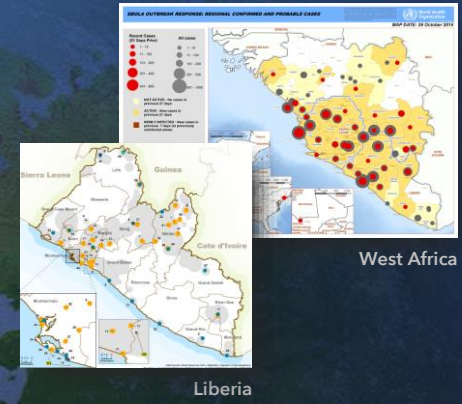
*Integrating All the Data, Activities and Missions . . .
. . . Empowering Collaborative Action*

Health, Demographics and Statistics

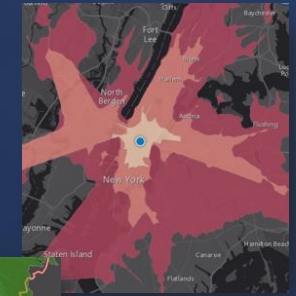
Coronavirus



Ebola Response



Access to Care



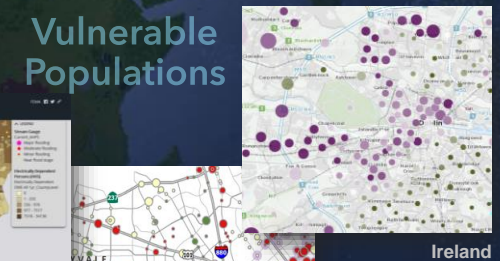
Health and Social Services Centers



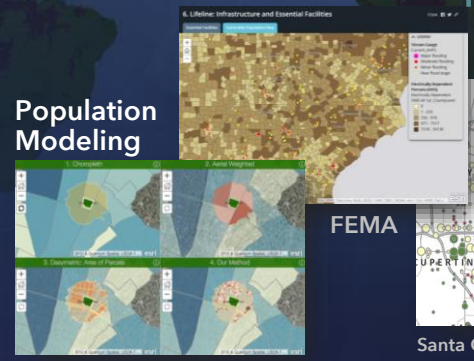
Access to Health Facilities



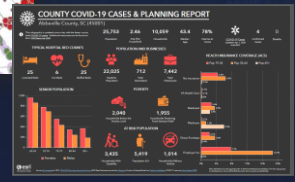
Vulnerable Populations



Population Modeling



Population Profile



Homelessness Dashboard



Homeless Point in Time Count



San Bernardino County California

Orange County California

Nic Jay Mapping Oakland

FEMA

Santa Clara

South Carolina

Pori Finland

MobiGIS New York

Haiti UNICEF

Johns Hopkins CSSE

Liberia

West Africa

WHO

Connecticut

Florida

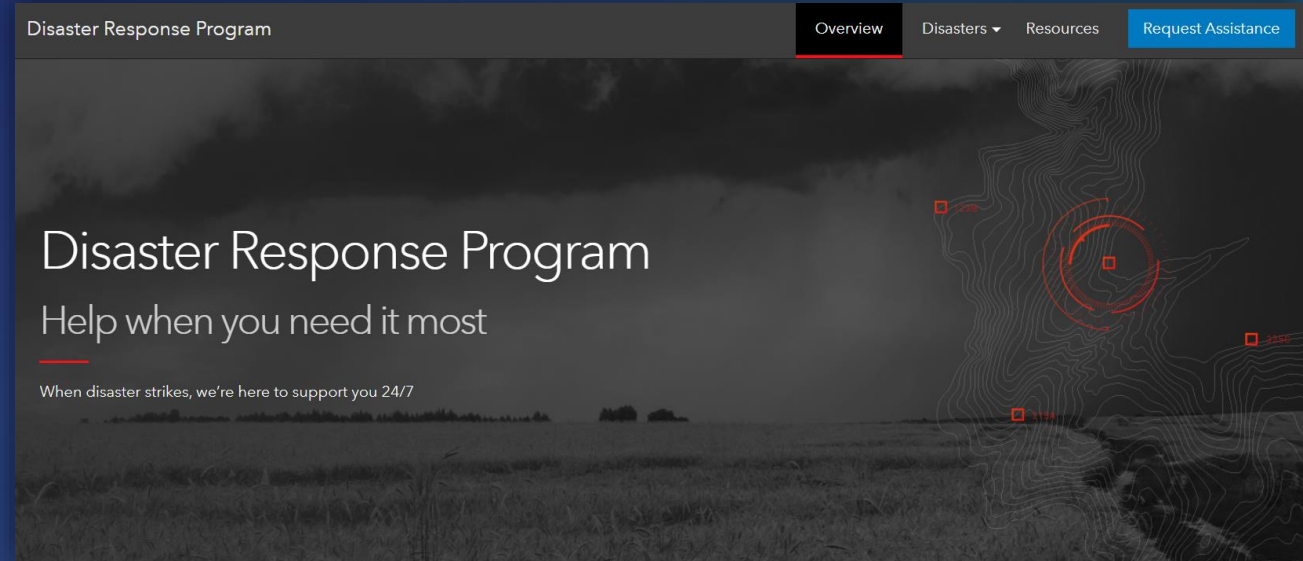
UVA

LLU

We can help when your capacity is exceeded

The DRP is available 24x7...

- ArcGIS Software
- Workflow Implementation
- Geospatial Data
- Technical Support



Request Assistance and Explore Resources:

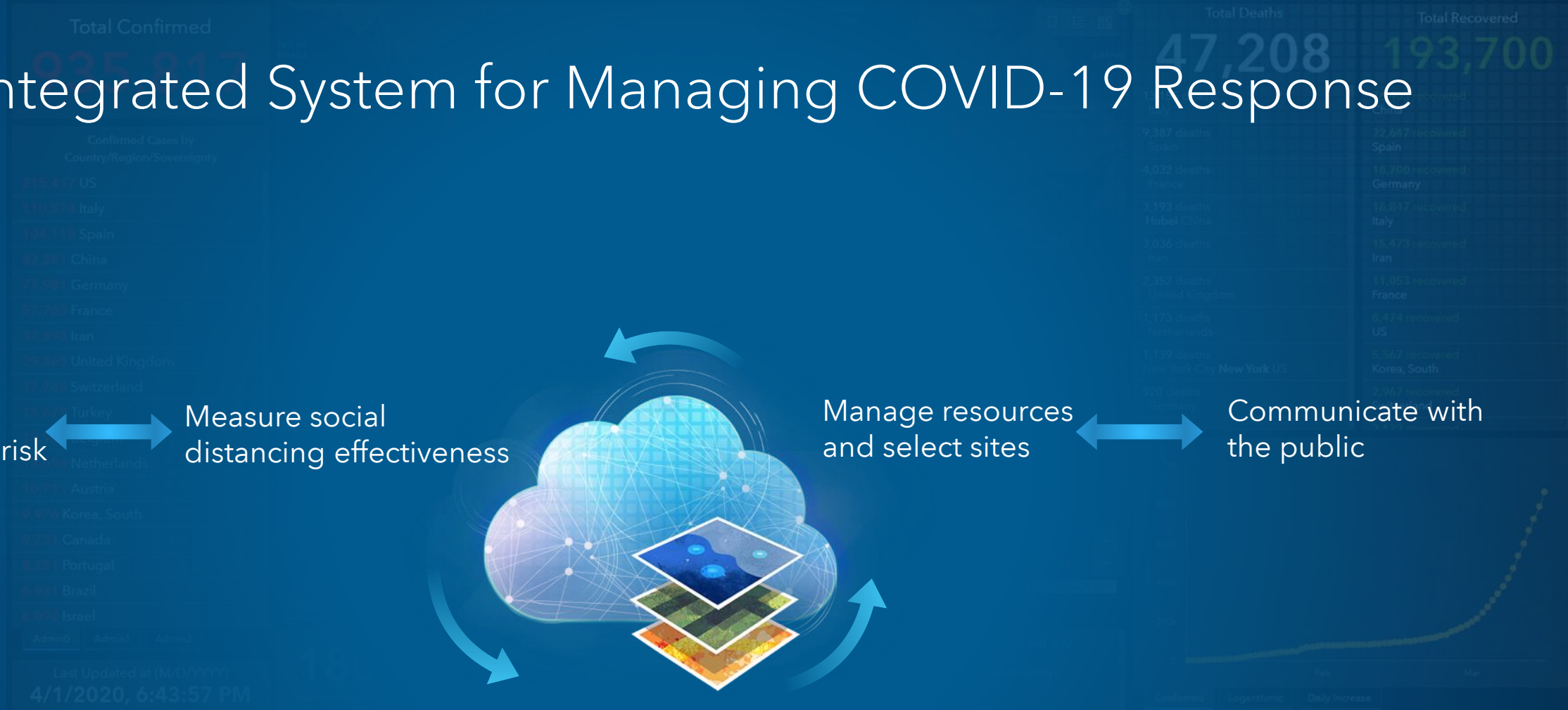
www.esri.com/disaster

Request Assistance via Email:

disaster_help@esri.com

...to support your organization's **response** efforts

An Integrated System for Managing COVID-19 Response



Understand community risk



Measure social distancing effectiveness



Manage resources and select sites



Communicate with the public

Model the spread and impact of disease

Enables Better Understanding & More Informed Action . . .

DEMO

GIS Solutions for COVID-19 Response — Apps and Workflows

Health and Human Services Professionals

Incident Commanders & Executives

Residents

Case Reporting

Status Reporting & Dashboards

Facilities Status Management

Community Dashboard

Testing Sites Management

Find Locations (Testing Sites, Medical Facilities)

GIS Professionals

Data Creation & Management, Analytics & Visualization

Check Status (Schools, Libraries, . . .)



Source Data



COVID-19 Response Hub



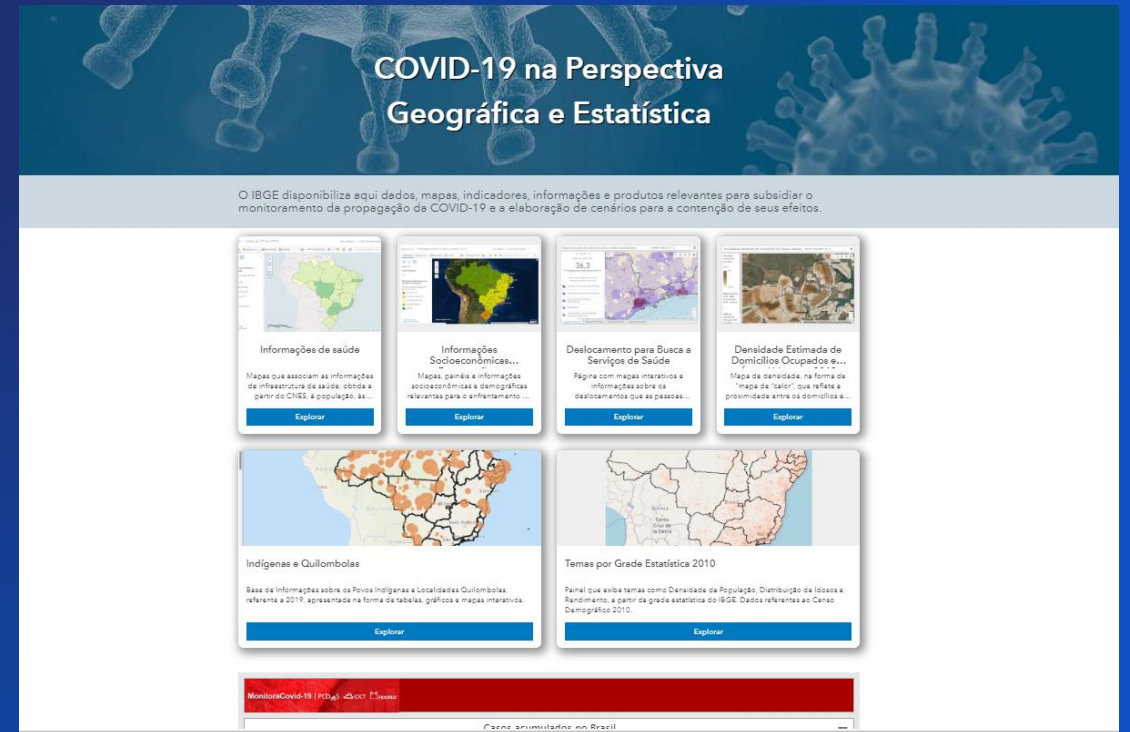
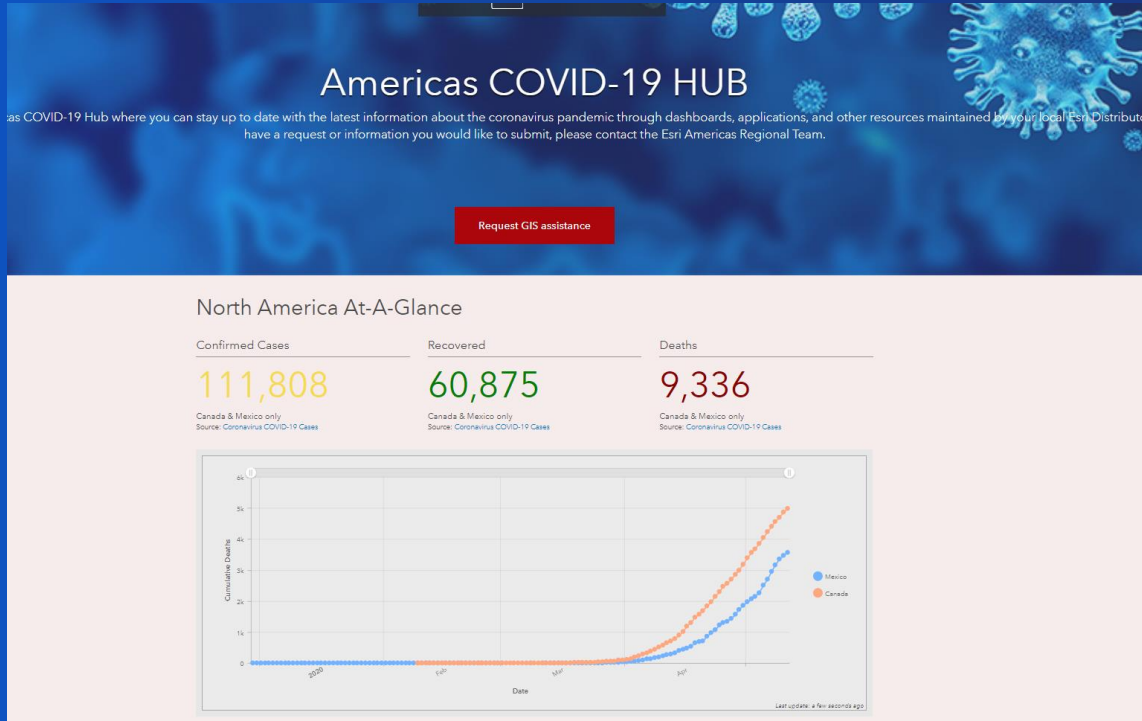
GIS Solutions for Business Continuity — Apps and Workflows



Esri COVID-19 Hub for the Americas

<https://americas-covid-19-hub-esridistributor.hub.arcgis.com/>

- Apps
- Data
- Resources
- Best Practices



What is in the COVID-19 Response Package?

- Esri is providing a six-month complimentary package available:
 - ArcGIS Online Subscription
 - ArcGIS Hub Basic
 - ArcGIS Insights
 - 15 Creators with Insights Add-on
 - 1 ArcGIS Pro Advanced Online
- Free ArcGIS Solutions for Public Health Response & for Business Continuity
 - Includes ArcGIS Hub templates for both
 - ArcGIS Hub templates do NOT require Hub Premium.



What type of apps are being developed?

- Dashboards
- Hubs
- Testing site locators
- PPE and inventory solutions
- Business continuity solutions
- Economic Vulnerability analysis
- Contact tracing
- ML and AI to monitor agglomerations
- CHIME and CDC Surge models to forecast hospital peak capacity





esri

THE
SCIENCE
OF
WHERE