



COVID-19 Response

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What Can We Do?

Apply the Power of Digital Geography

Envision
What's Possible

Protect
Biodiversity

Engage
Citizens

Integrate
Environmental
Thinking

Create Sustainable
Development

Make Agencies
Smarter

Build and Manage
Essential Data

Improve
Productivity
and Efficiency

Share and
Collaborate

Design
Resilient
Strategies

Keep Moving, Learning, and Understanding . . .

*Leverage Our Best Technology,
Geographic Science, and Creative Problem Solving*

GIS

A Complete System for Understanding and Responding to Pandemics



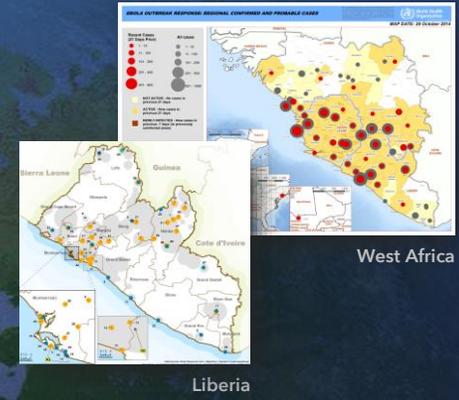
*Integrating All the Data, Activities and Missions . . .
. . . Empowering Collaborative Action*

Health, Demographics and Statistics

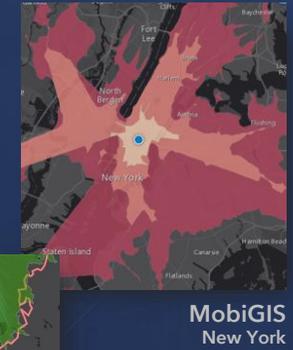
Coronavirus



Ebola Response



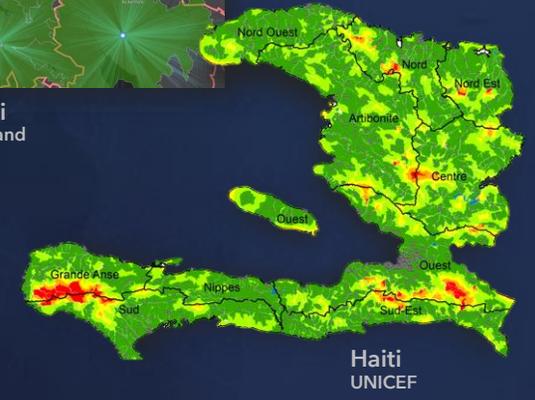
Access to Care



Health and Social Services Centers



Access to Health Facilities



Homelessness Dashboard



Homeless Point in Time Count



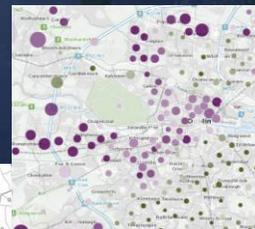
Population Modeling



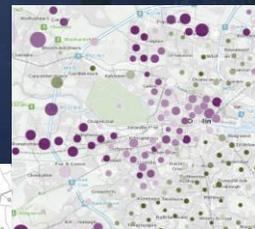
FEMA



Vulnerable Populations



Unemployment



Population Profile



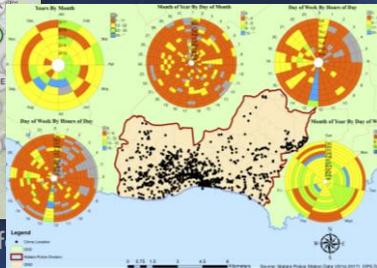
Public Safety and National Security

Real-Time
Officer Tracking



Department of Public Safety
Oklahoma

Spatiotemporal
Analytics



Marta Police
Sri Lanka

COMPSTAT Dashboard



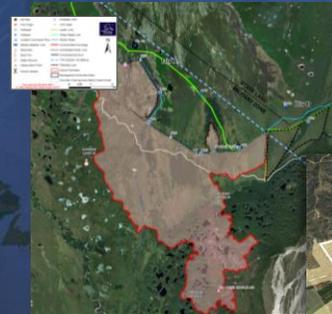
Sheriff's Office
Jacksonville, FL

911 Dispatch System



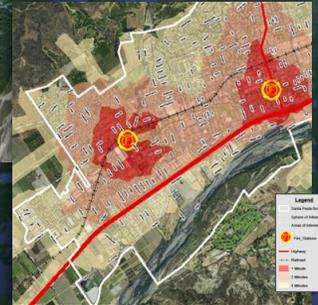
BCS
North Carolina

Fire Operations
Management



BLM
Alaska

Incident
Response Times



Santa Paula
California

Fleet Management



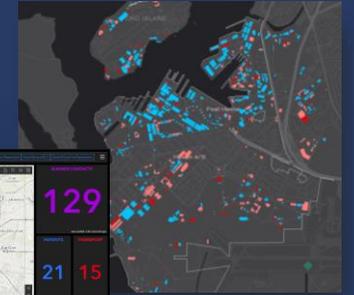
Aeroterra
Argentina

In-Vehicle
Awareness



BCS
Charlotte, NC

Energy Security
Framework



GISinc
Pearl Harbor

LA Marathon Ops Center



SALUS-The Crisis Hub
Los Angeles, CA

Emergency
Management Center



Germany

Event Preparedness
World Series



DC Office of the
Chief Technology Officer
Washington, DC

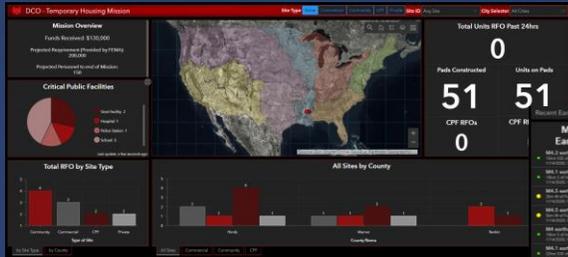
Event Management



Philadelphia

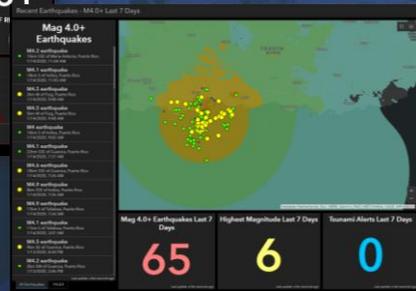
Preparing for and Responding to Disasters

Temporary Housing Construction Management



US Army Corps of Engineers
US

Incident Response Reporting



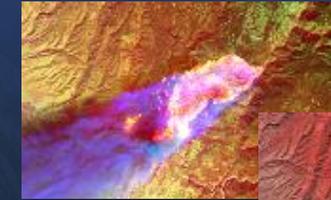
FEMA
Puerto Rico

Amazon Fire



Conservation International
Brazil

Wildfire Imagery Analysis



Smoke Plume



NASA
Australia



NASA Disasters Program
California

Delivery and Disposal Modeling



Parsons
Canada

Flood Prediction



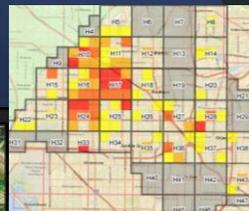
Shawnee County
Kansas

Tornado Damage Assessment



State of Missouri

West Nile Virus



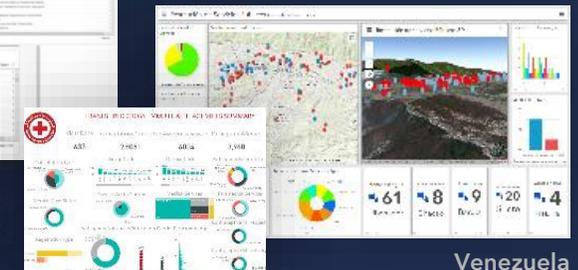
Orange County
California

Insights Dashboard



NGA
Puerto Rico

Humanitarian Response



Venezuela

Portals, Open Data and Engagement

Local Government Portals

Elections



Wadena County Minnesota

Public Services



Polk County Minnesota

Data Stories



DC Government Washington, DC

UN SDG



Philippines

Emergency Management

Geospatial Gateway



GIS Program



Los Alamos National Laboratory New Mexico

Widespread Power Outages



HDR Virginia

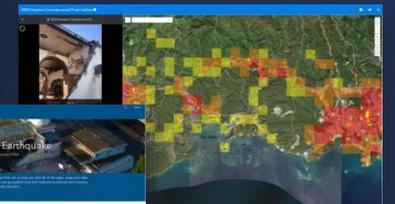
US DOS Venezuela

Crowdsourcing



GISCorps Puerto Rico

Puerto Rico Earthquake



FEMA

National Portals

Open Data



USDA Forest Service US

HIFLD Program



DHS-GMO ArdentMC Booz | Allen | Hamilton (FGDC Nebert Award)

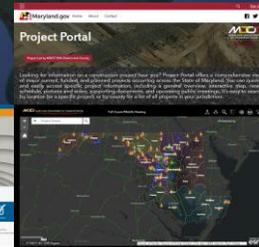
State Portals

Geoportal



State of California

Highway Project



MDOT Maryland

Esri was founded to help solve some of the world's most difficult problems.

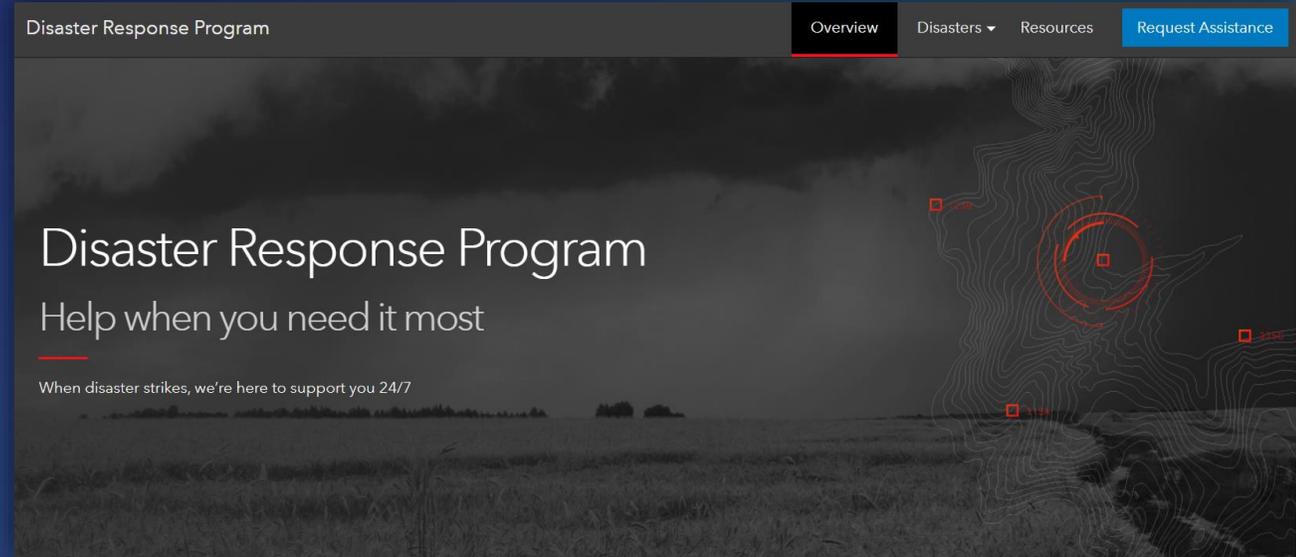
When disaster strikes, we're here to support you.



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

GIS

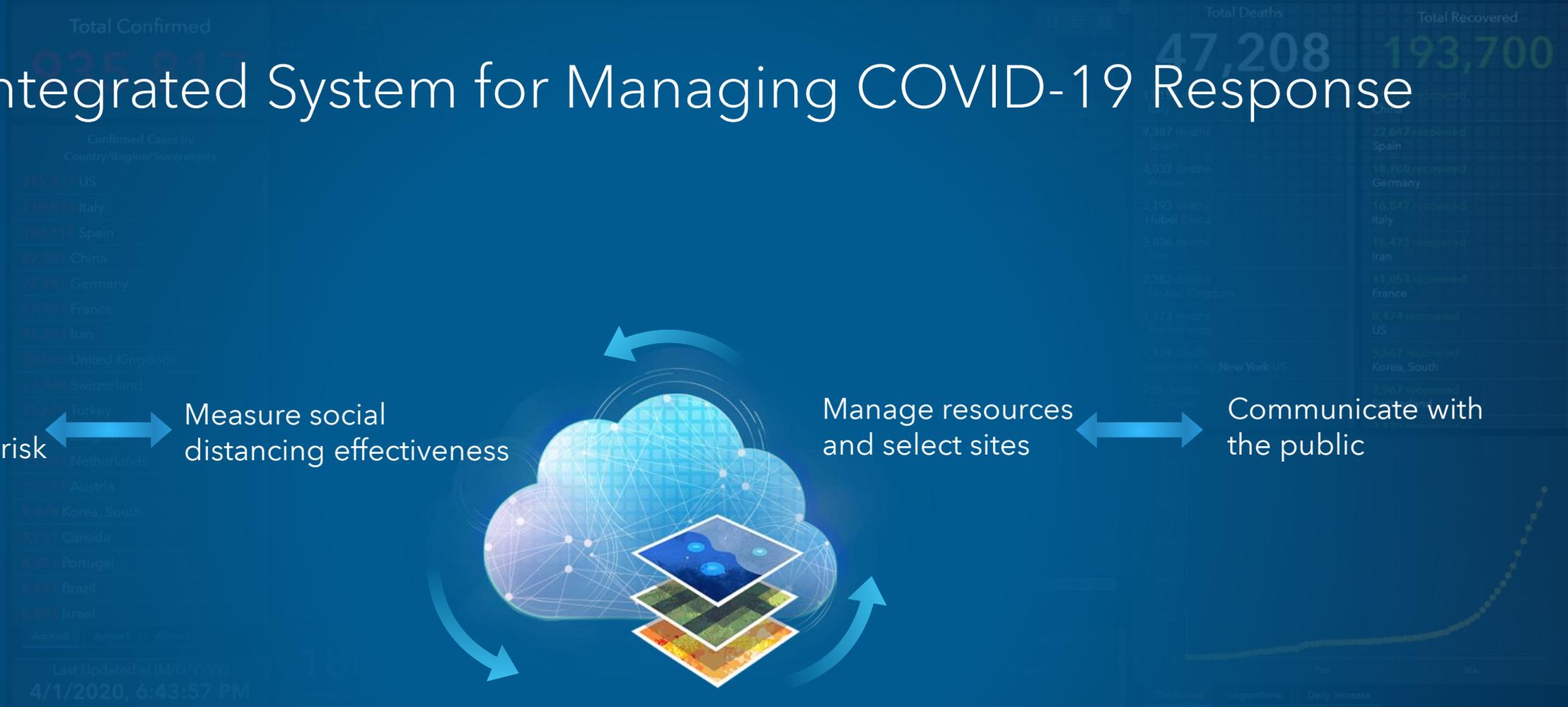
Provides A Framework . . .
. . . And Process

COVID - 19
Response



. . . Data Driven & Science Based

An Integrated System for Managing COVID-19 Response



Understand community risk



Measure social distancing effectiveness



Manage resources and select sites



Communicate with the public

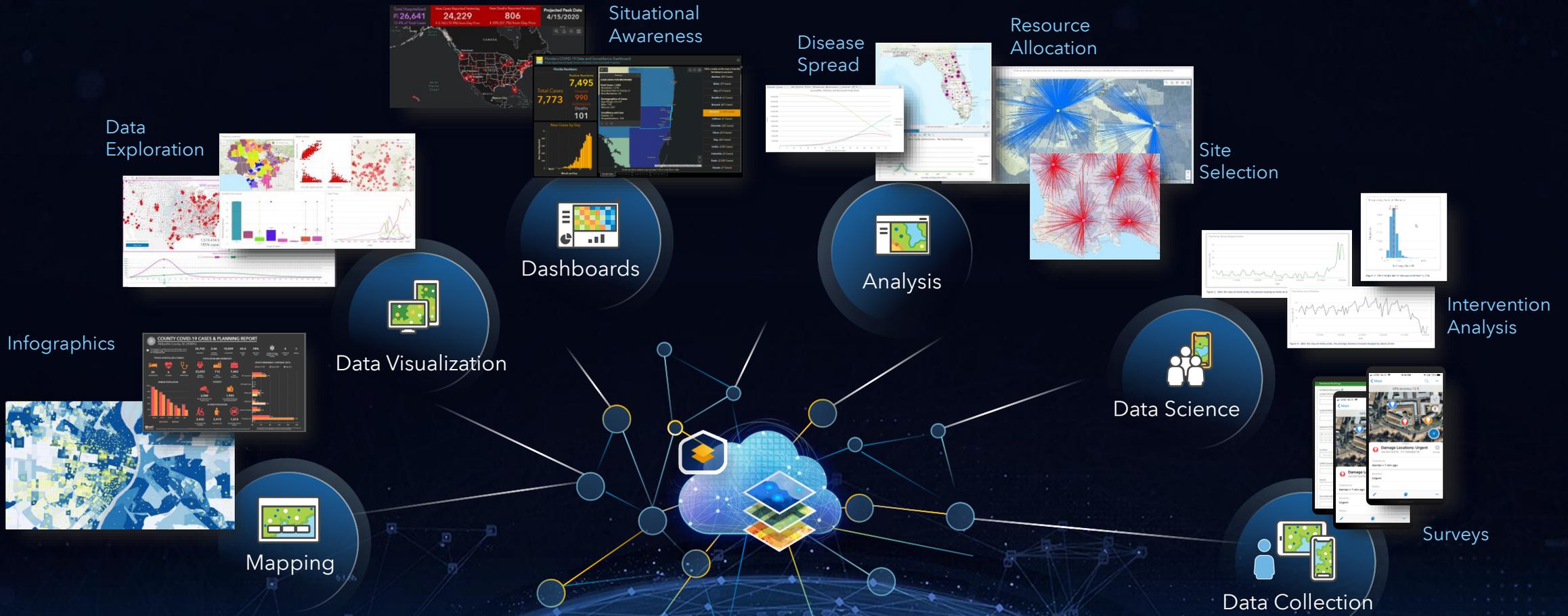
Model the spread and impact of disease

Enables Better Understanding & More Informed Action . . .

GIS Integrates All Types of Data



Delivering Powerful Capabilities Across Organizations



*Building Blocks . . .
For a Responsive System*

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

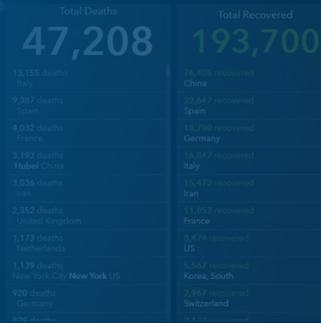
Check Status (Schools, Libraries, . . .)



Source Data



COVID-19 Response Hub



GIS Solutions for Business Continuity — Apps and Workflows



Americas COVID-19 Hub and Applications

Milquiades Walther-Rodriguez

Coronavirus Response

Home | Get Started | Workflows

Overview

Coronavirus Response is a collection of maps and apps that can be used by Public Health agencies to understand the impact of the coronavirus (COVID-19) and share authoritative information about the pandemic with your community.

When you deploy Coronavirus Response in your ArcGIS Organization, you will get a series of ArcGIS applications used to monitor coronavirus cases, track the impact on public gathering places (for example, schools, government buildings, common places), inventory testing sites, and share this information with the public.

Public Health agencies can configure and share the entire collection of coronavirus response maps and applications; or configure and share an individual map or application that meets their specific needs.

[REQUIREMENTS](#) [WHAT YOU GET](#) [WHAT'S NEW](#)

1,583 Active Cases

1,635 Confirmed Cases

40 Deaths

12 Reported

7 Active Testing Sites

565 Public Buildings

39 Community Safety Centers

1 Public Health Agency

Automated deployment option
This ArcGIS Solution can now be quickly deployed in your organization with the ArcGIS Solutions Deployment Tool.

- ArcGIS Solutions Deployment Tool

You may be interested in
ArcGIS Solutions for Local Government includes several related maps and apps that also can be configured in your organization:

- Opioid Response Dashboard
- Health Resource Inventory

Coronavirus Business Continuity

Home | Get Started | Workflows

Overview

Coronavirus Business Continuity is a collection of maps and apps that can be used by businesses, utilities, and government agencies to maintain business operations and share authoritative information with customers and stakeholders during the coronavirus (COVID-19) pandemic.

When you deploy Coronavirus Business Continuity in your ArcGIS Organization, you will get a series of ArcGIS applications used to understand the operational capacity of your workforce, monitor the status of your facilities, and communicate disruptions to customers and stakeholders.

Businesses, utilities, and government agencies can configure and share the entire collection of coronavirus business continuity maps and applications; or configure and share only the maps or applications that meet their specific needs.

[REQUIREMENTS](#) [WHAT YOU GET](#) [WHAT'S NEW](#)

8 Facility Reports

3 Closed

2 Scheduled to Close

3 Scheduled to Open

20 Number of Facilities

74 Staff in Office

314 Staff Working Remotely

74 Staff Absent

Automated deployment option
This ArcGIS Solution can now be quickly deployed in your organization with the ArcGIS Solutions Deployment Tool.

- ArcGIS Solutions Deployment Tool

You may be interested in
ArcGIS Solutions includes several related maps and apps that also can be configured in your organization:

- Coronavirus Response

Americas COVID-19 HUB

Welcome to the Americas COVID-19 Hub. Here you can track the outbreak by viewing several dashboards created and maintained by your local Esri Distributors. If you have a request or information you would like to submit, please contact us.

Understanding the Impacts of COVID-19: Five Steps

Step 1

Map the Cases

Step 2

Map the Spread

Step 3

Map Vulnerable
Populations

Step 4

Map Your Capacity

Step 5

Communicate with
Maps

Getting Started

What to do next

Guidance for launching the solution and template:

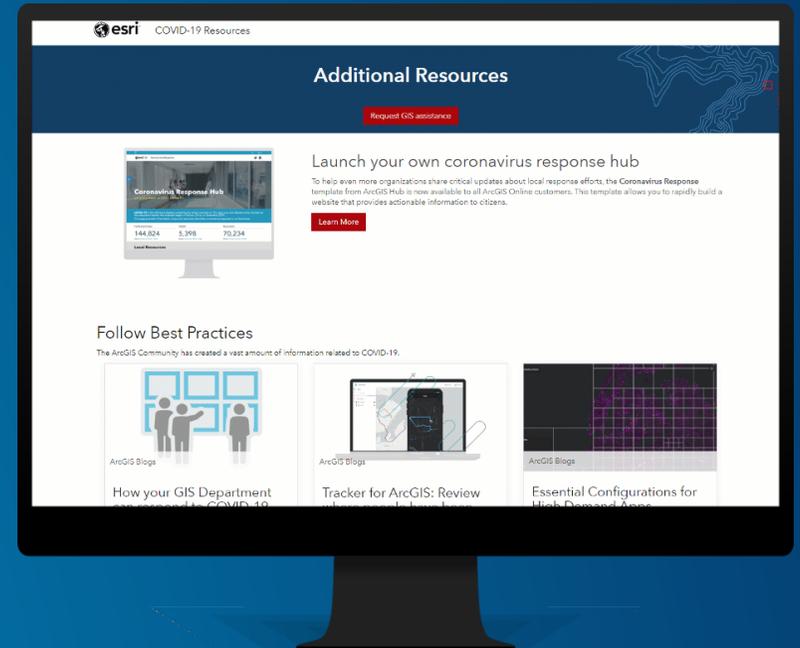
- **Blog Post:** How to Launch a Coronavirus Response Website Today (<https://www.esri.com/arcgis-blog/products/arcgis-hub/sharing-collaboration/how-to-launch-a-coronavirus-response-website-today/>)
- **ArcGIS Solutions:**
 - The Coronavirus Response Solutions
<https://solutions.arcgis.com/local-government/help/coronavirus-response/>
 - The Coronavirus Business Continuity Solutions
<https://solutions.arcgis.com/shared/help/coronavirus-business-continuity/>
- **Solution Webinar:** Discuss the New Coronavirus Response Solution (Virtually)
<https://www.meetup.com/ArcGIS-for-Local-Government/events/269486877/>

Other COVID-19 Resources

What to do next

Some helpful resources:

- **Website:** COVID-19 Resources Hub (<https://coronavirus-resources.esri.com/>)
- **Blog Post:** How Your GIS Department Can Respond to COVID-19 (<https://www.esri.com/arcgis-blog/products/apps/local-government/how-your-gis-department-can-respond-to-covid-19/>)



The Community of Collaboration is Growing Rapidly

Sharing Data, Models, Apps & Methods Across the Web and Social



... Your Participation is Essential



esri

THE
SCIENCE
OF
WHERE