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
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

DEMO
GIS Solutions for COVID-19 Response — Apps and Workflows

Health and Human Services Professionals
- Case Reporting
- Facilities Status Management
- Testing Sites Management

Incident Commanders & Executives
- Status Reporting & Dashboards

Residents
- Community Dashboard
- Find Locations (Testing Sites, Medical Facilities)
- Check Status (Schools, Libraries, ...)

GIS Professionals
- Data Creation & Management, Analytics & Visualization

Source Data
- COVID-19 Response Hub
GIS Solutions for Business Continuity — Apps and Workflows

- Executives & Incident Managers
  - Organizational Status & Dashboards

- Facility Managers
  - Facility Data Collection
  - Facility Status Report

- Customers & Residents
  - Check Status (Businesses, Services, ...)

- Employees (& Contractors)
  - Check-in & Reporting (Individuals, Teams, ...)

- GIS Professionals
  - Data Creation & Management, Analytics & Visualization

Source Data

Business Continuity Hub
Esri COVID-19 Hub for the Americas


- 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