VISUALIZING THE UNCERTAIN FUTURE WITH GIS

Business Continuity Challenges and Today’s Breakthroughs

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PRESENTED BY esri
Dashboards and Hubs Demo
User Examples
Kelley Arroyo
Poll Questions
Please Tick the Boxes that Apply to Your Organization
Business Continuity
Location Intelligence

For Business Continuity & Recovery

Stabilizing Organizations Through a Crisis

Business Recovery
Workforce Readiness
Facility Status
Supply Network Resilience

Communications Ecosystem
## Normalizing and Recover Business

### Building a Resilient Business During Unpredictable Times

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<td><strong>Facilities</strong></td>
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<td>Where can I operate my business today?</td>
<td>Where are my workers available to go work?</td>
<td>Which facilities are operating, where are alternatives to closed sites?</td>
<td>Where and how do I need to update my space to reopen safely?</td>
<td>How I am maintaining a safe working environment?</td>
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<td>Where can I reopen next?</td>
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<td>How can I take action quickly to mitigate unsafe situations?</td>
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<td>Space planning</td>
<td>Indoor positioning</td>
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<td>Availability</td>
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<td>Situational analysis</td>
<td>Location tracking</td>
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<td>Alternative sites</td>
<td>Field mobility</td>
<td>Proximity analysis</td>
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**Single Pane of Glass: Continuous Private and Public Communications (Dashboards, Hubs, Alerts)**

businesses, schools, public offices, religious sites, ....
Providing a Safe and Transparent Workplace
Enabling Employee and Customer Confidence and Readiness

**Which sites are open / operating?**
- How are sites impacted?

**How can I communicate my ability to go to a work site?**

**Where are site-specific limitations and on-site worker guidelines?**

**How can my organization monitor the workplace to ensure compliance?**

**How can I report concerns or new incidents as they arise?**

**How will I be notified in case of incidents and urgent details as conditions change?**

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**Workforce Dashboard**
- Where open
- Site-level services
- Community restrictions
- Alternative sites

**Self-Submit Worker Survey**
- Well-being
- Availability
- Readiness
- Field mobility

**Facility Management**
- Space planning
- Work area map
- Point-to-point routing (wayfinding)

**Site Monitoring**
- Situational analysis
- Indoor positioning
- Location tracking
- Proximity analysis and tracing
- Density management

**Worker Mobile Survey**
- Incident reporting
- Pin drop accuracy
- Time and date stamp

**Dashboards / Mobile Apps**
- Mass notifications & alerts
- Work order visualization

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**Single Pane of Glass:** Continuous Employee Communications (Dashboards, Mobile Apps and Surveys, Alerts)

- businesses, schools, public offices, religious sites, ....
Rebuild Business in Uncertain Times
Create Business Advantage with Location Intelligence

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<thead>
<tr>
<th>Customer Analysis</th>
<th>Market Analysis</th>
<th>Real Estate Management</th>
<th>Live Site Monitoring</th>
<th>Business Resilience</th>
<th>Corporate responsibility?</th>
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<tbody>
<tr>
<td>Where buying</td>
<td>Open+ safe</td>
<td>Space planning</td>
<td>Incident reporting</td>
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<td>How will I be notified</td>
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<td>What channels</td>
<td>communities</td>
<td>Work area map</td>
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<td>High potential</td>
<td>Point-to-point</td>
<td>Situational analysis</td>
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<td>What’s changed</td>
<td>demographics</td>
<td>routing (wayfinding)</td>
<td>Indoor positioning</td>
<td>Business</td>
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Single Pane of Glass: Continuous Internal Insights and Communications (Dashboards, Mobile Apps and Surveys, Alerts)

businesses, schools, public offices, religious sites, ....
Business Recovery

Site Location Map Overlay with Incident Data

Business Site Reopening Dashboard

Suitability Analysis
Workforce Readiness

Individual Check-in & Self-Attestation

Team Check-in Survey

Health Status Check-in (optional)

Worker Location Mapping
Facility Status & Operations

Density Management

Situational Awareness

Facilities Status Dashboard

Proximity Analysis and Tracing

Indoors Routing
Supply Network Resilience

Global Operations Dashboard

Network Explorer - Mobile

Incident Viewer

Network Dependencies and Flow of Goods
How to Start - COVID-19 DIY Resources

Free Resources - COVID-19 maps, datasets, applications, and more

https://coronavirus-resources.esri.com/
COVID-19 Applications and Dashboards

https://coronavirus-resources.esri.com/
COVID-19 Datasets

https://coronavirus-resources.esri.com/
Reopening Facilities & Return to the Workplace

- Ensure Safety For Your Return To Work Strategy (video)
  - https://youtu.be/F5gDkzAAGyg

- Make Sure Your Business is Ready for the Return to the Office (video)
  - https://www.youtube.com/watch?v=RVuQJT6kp2Y

- How to Reopen the Workplace during COVID-19 (article)
  - https://www.esri.com/about/newsroom/publications/wherenext/reopening-the-workplace/

- Reopen the Workplace: Facility Mapping Solutions for COVID-19 Recovery (white paper)
Additional Resources

- National Mapping and Charting Industry Website

- New Community Place on GeoNet - National Geospatial Mapping and Charting

- ArcGIS Enterprise
  - ArcGIS Hub
  - ArcGIS Dashboards
  - ArcGIS StoryMaps
UN-GGIM Working Group on Geospatial Information and Services for Disasters

• Strategic Framework on Geospatial Information and Services for Disasters, adopted by:
  - UN-GGIM Committee of Experts in August 2017
  - United Nations Economic and Social Council (ECOSOC) in July 2018
  - Is Based on the Sendai Framework for Disaster Risk Reduction 2015–2030, endorsed by the UN General Assembly in June 2015

Free Resources - COVID-19 maps, datasets, applications, and more

https://coronavirus-resources.esri.com/
Thank You for Your Time and Please Take a Minute to Complete the Survey!
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The Science of Where

Strong and Growing

THE SCIENCE OF WHERE

Engineering and
Science Focus

. . . And Making a Difference