

Geospatial Knowledge Infrastructure

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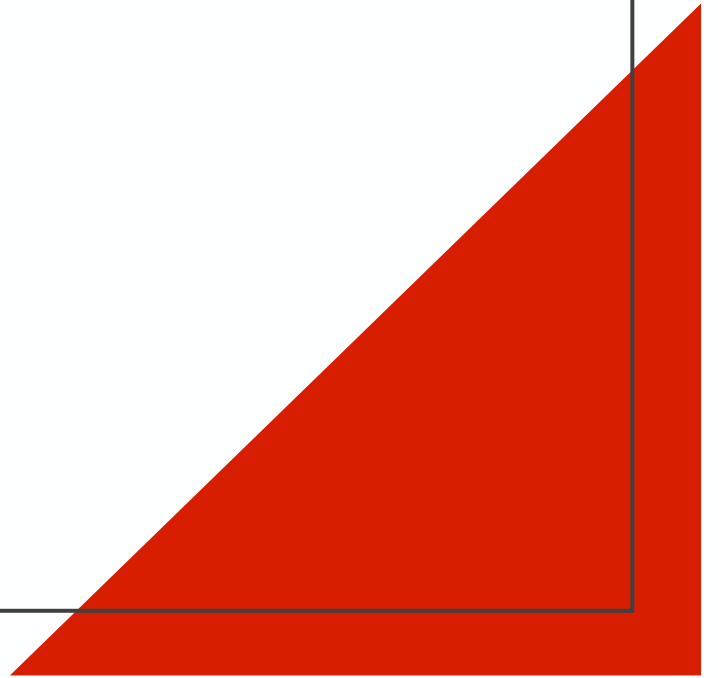








Role of Geospatial in COVID-19 response



How geospatial industry responded



Safeguarding employees

All the member companies are ensuring that the employees are safe from the COVID-19 virus by following necessary procedures from authorities.



Streamlining operations

Member companies are implementing a smart working regime to ensure critical operations are not impacted and SLAs are maintained.



Enabling clients to #WFH

Software and solution companies are providing home office licenses to the staff of their customers and enabling them to work from home.



Delivering e-learning

For geospatial who are finding spare time during home, some companies are providing their e-learning courses for free.



Providing data & Software

To the impacted business and communities, free data resources and software licenses are being extended during the lock down period.



Supporting Partners

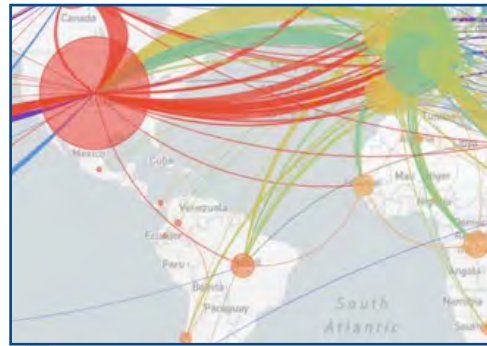
To ensure that partners and resellers are properly supported, extend contract payment terms are in the offering.

A host of organizations took advantage of spatial analytics



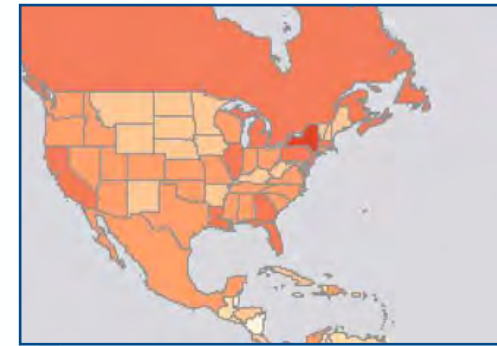
Governments

To inform citizens



Health org.

To analyze the spread



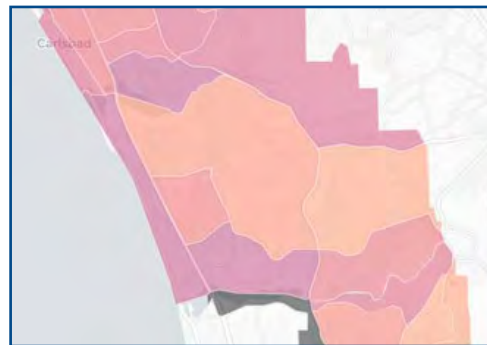
Academic

Provide open data



Media

To tell stories



Multilateral org.

To assist communities



Tech Companies

Geo for Good

[Know more on this](#)

We have seen hundreds of dashboards in use by thousands of organizations and billions of users to understand the COVID-19 scenario





Location tracking gaining significance

We have seen 30+ use cases across 20+ countries

[Know more on this](#)

Challenges so far

Information explosion leading to chaos

Too late and Too little

Data availability and data silos

Policy barriers





Next Generation Geospatial Enterprise Landscape

Providing a way to the future

[Know more on this](#)



Co-Organizer & Organizer



Partners



REALTIME INFORMATION

Citizen Generated Data
Commercial Service Provider
Earth Observation
IoT

ALLIED INFORMATION ENTERPRISE

Weather
Environmental Information,
Building Information Modeling (BIM)
Business Data

POSITIONING INFRASTRUCTURE

CORS Network
GNSS Augmentation
Indoor Positioning

FOUNDATIONAL DATA

Foundational Layers
Thematic Data
Reference Data



Data Infrastructure

INTEGRATED GEOSPATIAL POLICY FRAMEWORK

Topography
Earth Observation Systems
Photogrammetry
Cadaster and Land Information

ALIGNMENT WITH ICT, INNOVATION, TRADE & OTHER POLICIES

Innovation and Technology Policy
Open and Link data
Pricing Policy
Data sovereignty & protection
Personal Privacy
Intellectual Property Rights
Emergency and Safety



Integrated Policy Framework

SPATIAL DIMENSION TO NATIONAL DATA ECOSYSTEM:

As the foundation for data
economy & knowledge
economy, serving:

- Governance
- Security & public safety
- Business enterprise
- Citizen services

- Good Governance
- Accountability and
Transparency
- Efficiency and Productivity
- Value Impact and ROI



Spatial Dimension to
Data Ecosystem

PARTNERSHIPS & COLLABORATIONS

- Collaborative Engagement
with multiple stakeholders
- Partnership with User
Departments
- Equity Inclusive Approach

- Co-creating geospatial
knowledge infrastructure
through Public-Private
Partnerships
- Defining scope, mechanisms
and business models of
collaboration and
partnerships



Partnerships &
Collaborations

Decentralized system | Real-time data processing | Analytical capability
Predictive and prescriptive modelling | Delivery of knowledge services

Geospatial Knowledge Infrastructure

Impact of GKI on IGIF

SP 1: Governance and Institutions:

Transparency, accountability, inclusiveness, collaboration

SP 2: Policy and Legal:

Clear integrated policies, supported by strong legislation

SP 3: Finance:

Improved RoI and social benefits.

SP 4: Data:

From data to knowledge. Near real-time. Big Data, AI/ML, Predictive and Prescriptive Analytics

SP 5: Innovation:

Knowledge indicators and services – user focus. Adaptability, Flexibility. New rapid data capture technologies and techniques. IoT.

SP 6: Standards:

Absolute essential

SP 7: Partnerships:

New forms of PPPs. Collaborative synergy

SP 8: Capacity and Education:

Increase in breadth and depth of knowledge.

SP 9: Communication and Engagement:

Increased user focus. Increased collaboration of all stakeholders

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