



GIS and Mapping Are Becoming Essential

A Fundamental Language
for Understanding and
Managing Our World

Providing Content
and Context

About Everything



Smart GIS Connects Everyone

Creating a System of Engagement

Supporting Real-Time
Awareness and
Collaboration

Communities

Organizations

People

*GIS Provides a
Common Language
for Communication*



Smart GIS Integrates Real-Time Data

Providing Dynamic Information About Everything



Smart GIS Integrates Everything

Connecting People, Processes, Things and Data About Them

Improving Efficiency,
Collaboration and
Communication

*System of
Engagement*

Helping Organizations
Understand . . .

*System of
Record*

*System of
Insight*

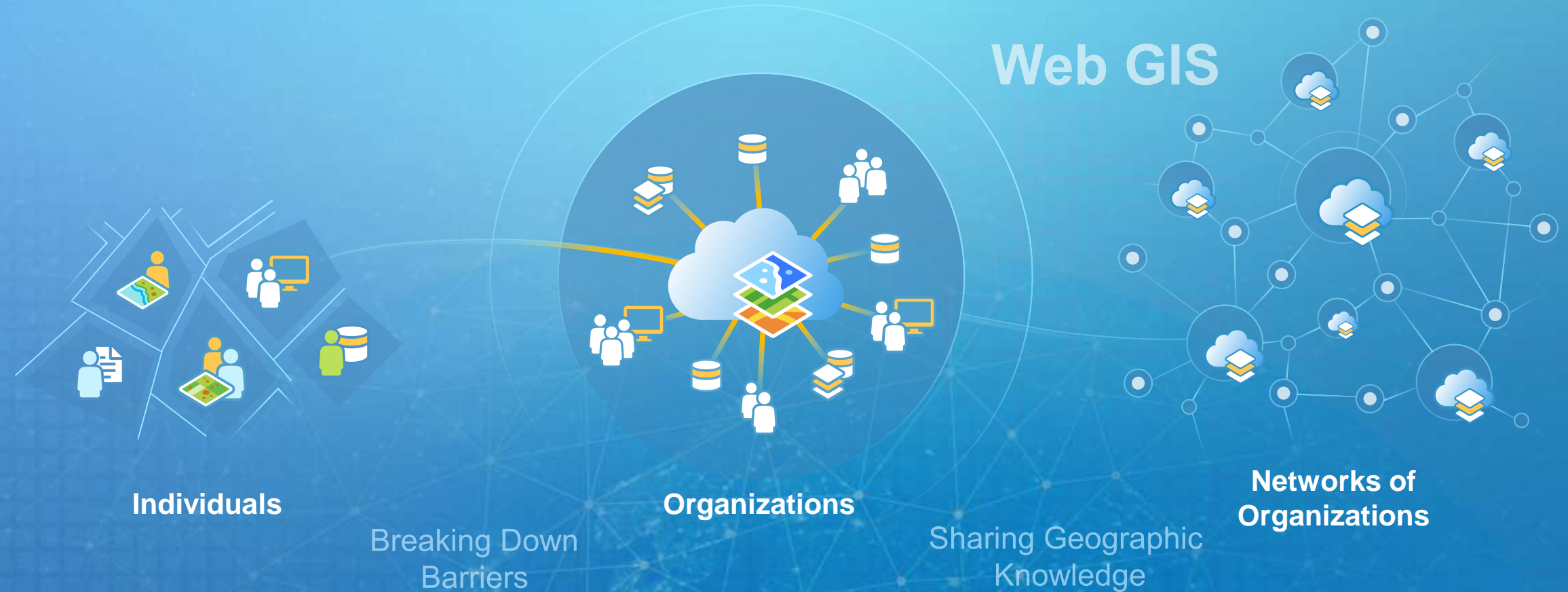
Web GIS
Supports Multiple
Types of Systems

. . . And Be Aware, Alert,
and Responsive



Smart GIS Enables New Types of Collaboration

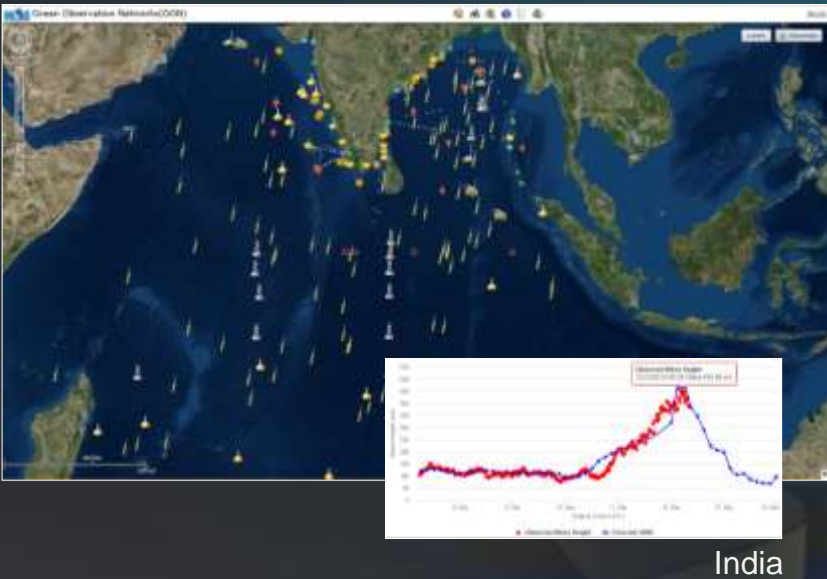
Connecting Individuals, Organizations and Communities



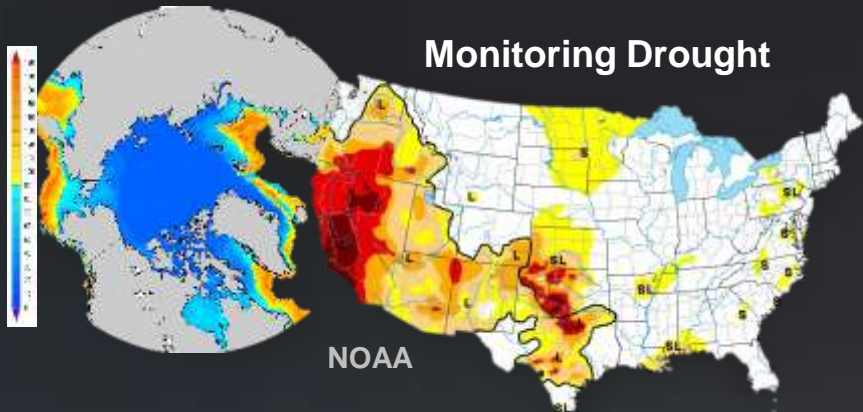
... Creating a Nervous System for Our Planet

Environmental Monitoring and Assessment

INCOIS - Ocean Observations Network (OON)



Calculating First Ice Freeze

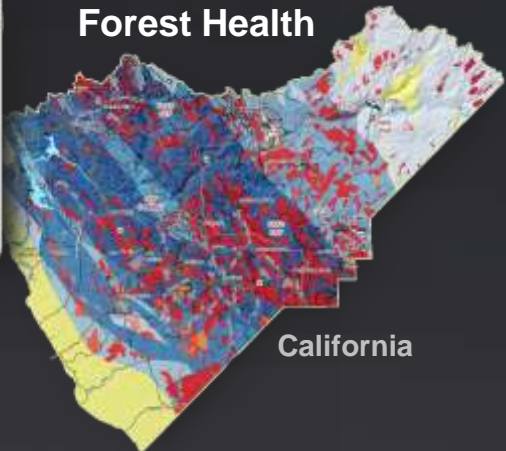


Desertification Survey

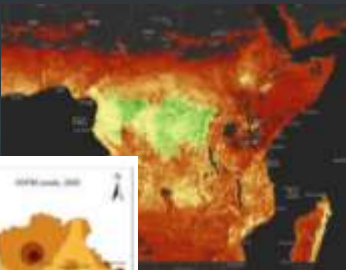


Turkey

Forest Health



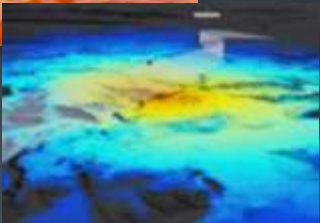
Biomass Assessment



Noise Pollution



Switzerland



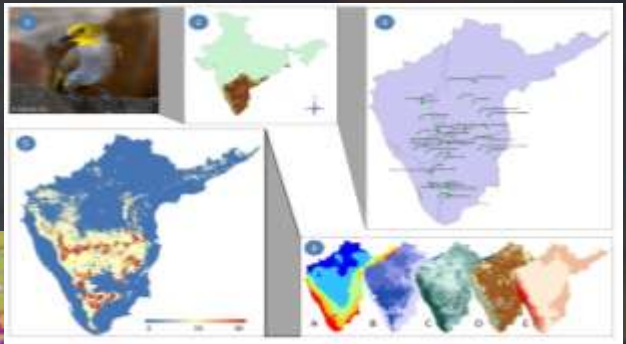
Switzerland

Invasive Species



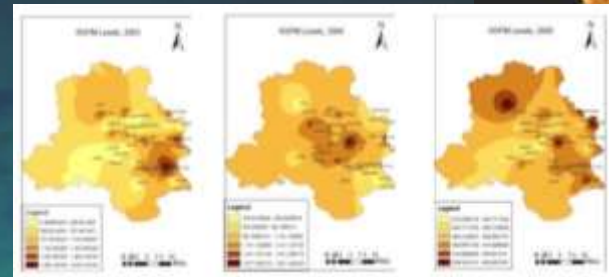
Southwest, USA

Environmental Niche Modelling



Hyderabad

Pollution Concentration During Diwali



Delhi

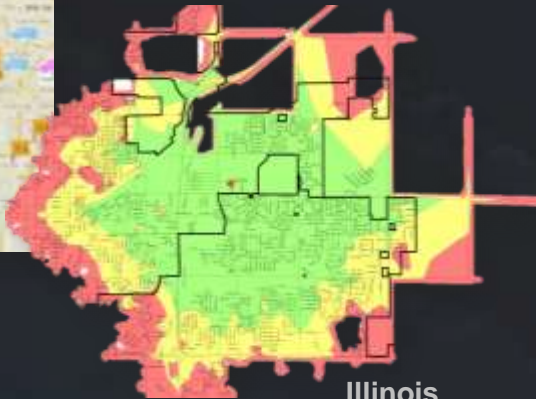
Public Safety and Security

EMS Resources



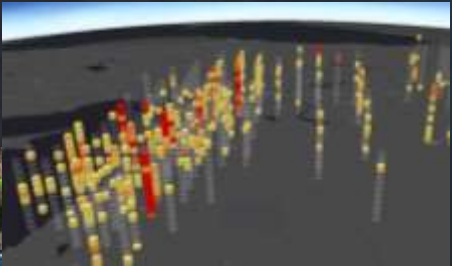
Tel Aviv, Israel

Fire Response Times



Illinois

Acts of Terrorism



Infrastructure Protection



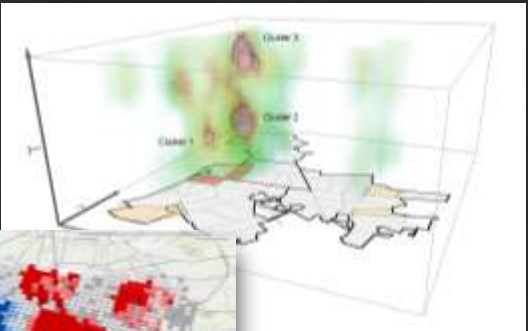
DHS

Traffic Accidents and Schools

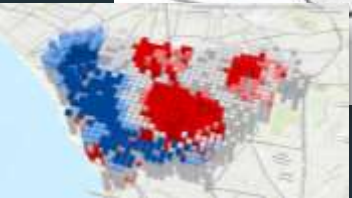


Japan

Spatiotemporal Crime Patterns



Louisiana



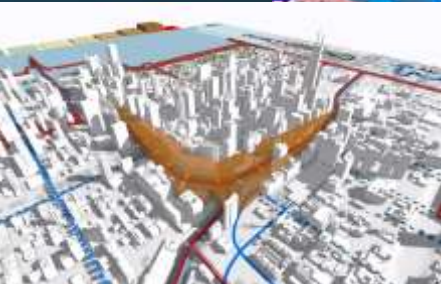
Peru

Marathon Viewshed



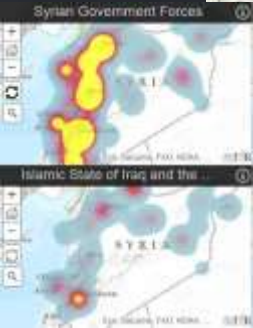
London, England

CCTV Viewshed



Illinois

Violence Hot Spots



Syria

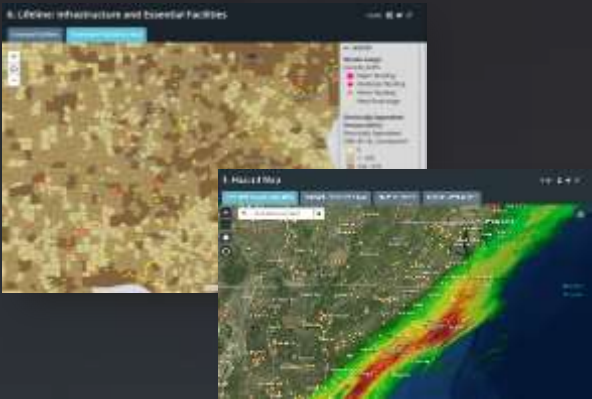
Officer Involved Shootings



Texas

Preparing for and Responding to Disasters

Assessing Vulnerable Populations



FEMA

Food Supply



UN-Yemen

Refugee Asylum



Europe

Humanitarian Resources



Red Cross

Refugee Camps



South Sudan

Earthquake Simulation



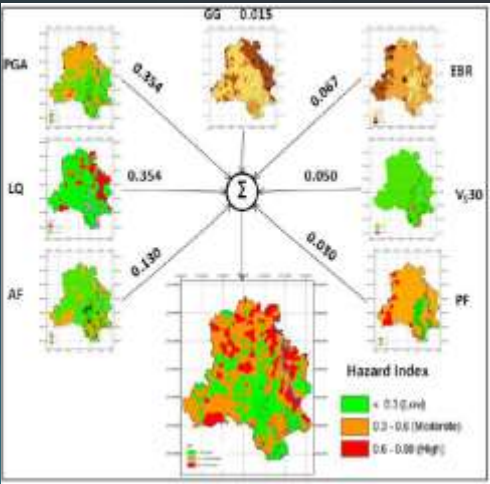
Manila, Philippines

Seismic Prediction



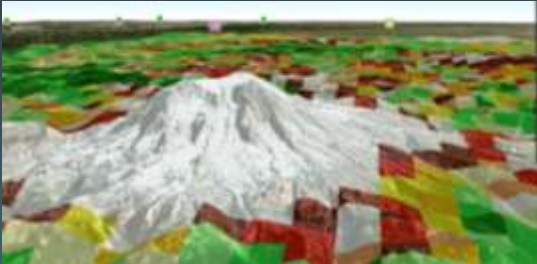
Japan

Seismic Hazard Map



Delhi

Wildfire Response Planning



Washington

Hurricane Storm Surge Model



Sweden

Hurricane Mathew



Managing Land Information

Parcel Values



Maui

Residential Platting



Texas

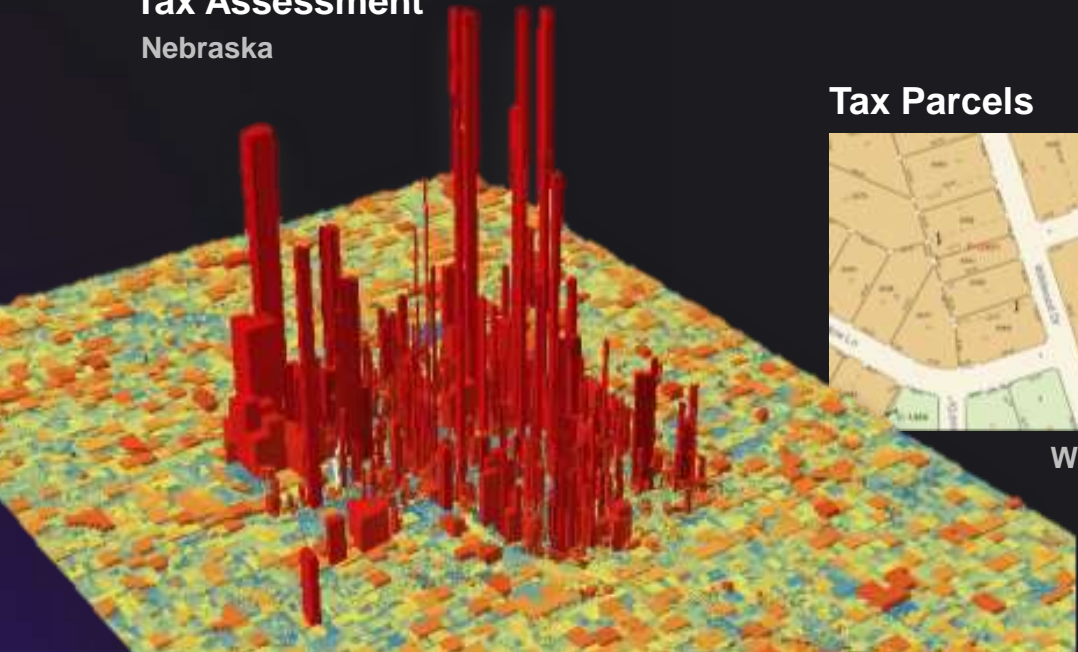
Historic District Property Values



Georgia

Tax Assessment

Nebraska



Cadastral History



Quebec, Canada

Parcel Query



Auckland,
New Zealand

Tax Parcels



Wisconsin

Environmental Reporting



California

3D
Cadastral



Costa Rica

Urban, Regional and Conservation Planning

Coastal Zone Management.



India

Urban Design



California



Abu Dhabi, UAE

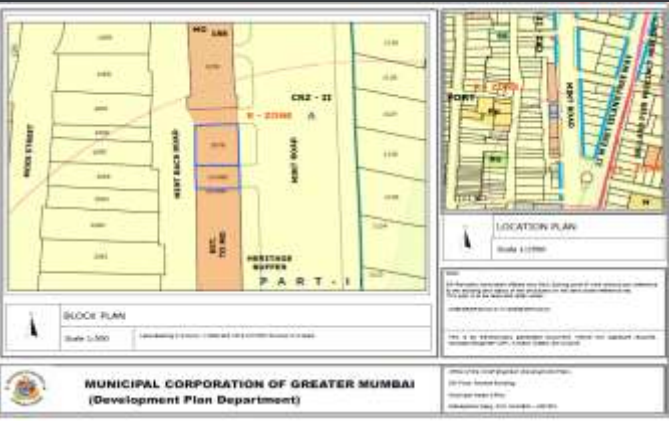


Green Infrastructure



New Jersey

Online Development Proposal Review



Mumbai

Zoning



Honolulu

Land Use



Miami-Dade

Regional Planning



South Carolina

Smart GIS Engages Communities

“Community GIS” Is a New Pattern



Engaging
All Citizens

*Providing a Platform for
Civic Engagement . . .*

Enabling Smart Communities . . .

Expanding Their GIS to Support Everyone

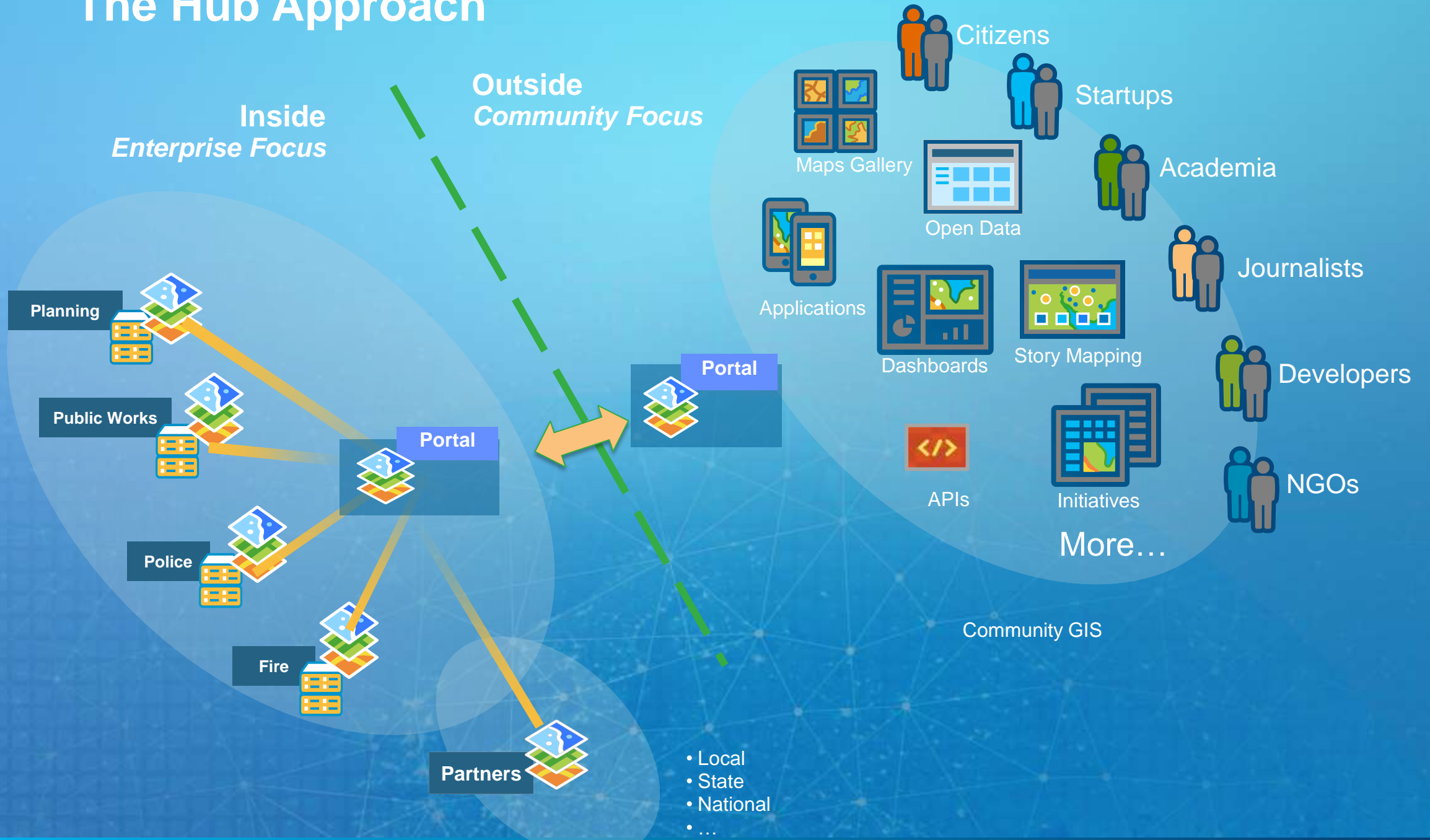


A Modern GIS

A System for Managing and Applying Geographic Information



The Hub Approach



Thank You

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