



THEME: GEOSPATIAL CARAVAN
**EMBRACING
ONE AND ALL**

Dean Angelides
Corporate Director, Esri

Our World Has Many Challenges

Humans Are Living Recklessly . . .

. . . Out of Balance with Nature

Creating Conflicts and Instability

The central collage features a glowing Earth globe as its core. Surrounding it are numerous smaller images and text labels representing different global challenges:

- Human Induced Climate Changes:** Includes a polar bear on a melting ice floe and a city skyline with smokestacks.
- Pollution:** Shows a river with a large pile of trash and smokestacks.
- Overpopulation:** Depicts a dense crowd of people.
- Congested Cities:** Shows a city street with many cars.
- Unconstrained Development:** Illustrates a city at night with bright lights.
- Severe Droughts:** Shows cracked, dry earth.
- Wildfires:** Shows a forest fire at night.
- Water Crises:** Shows a person carrying a water container.
- Ecological Instability:** Shows a dead tree in a field.
- Food Shortages:** Shows a person holding a small piece of food.
- Natural Disasters:** Shows a hurricane.
- Pandemics:** Shows a person wearing a face mask.
- Political Polarization:** Shows a globe with various political symbols and lines.
- Social Conflict:** Shows a person in a conflict zone.
- Step Decline in Biodiversity:** Shows a globe with a downward arrow.

Challenging Our Sustainability . . .
. . . Threatening Our Future

YOUR WORK

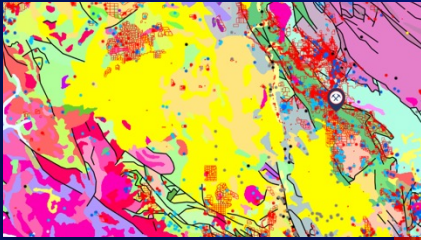
*Addressing All Our
World's Challenges*

Infrastructure
Economic Development
Pollution
Nature Conservation
Health
Energy
Transparent Government
Natural Resources
Climate Change
National Security
Science & Technology
Environment
Water Resources
Agriculture
Social Conflicts
Business
Urbanization & Development
Natural Disasters
Equity

Creating a more sustainable future

Natural Resources Management

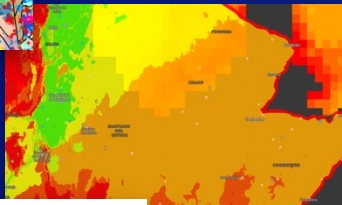
Mineral Exploration



GeoMarvel
British Columbia, Canada

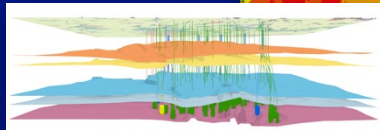
Minerals

Geothermal Suitability

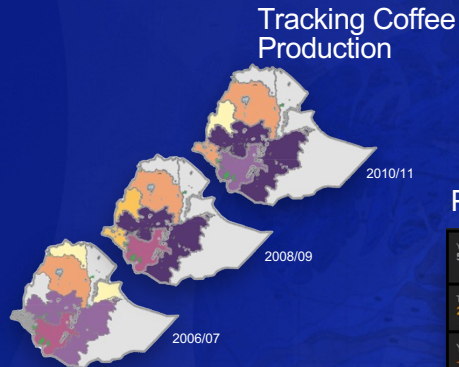


Getech Group
South America

Subsurface Oil & Gas Storage



Research Center of Post-Mining
Western Westphalia



Central Statistical Agency
Ethiopia

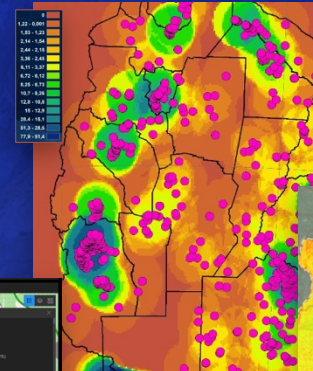
Agriculture

Palm Oil Production



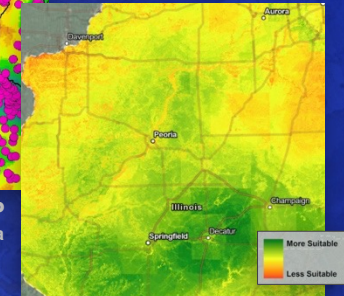
Sime Darby
Malaysia

Organic Agriculture



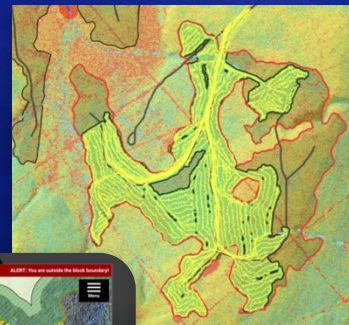
MAGyP
República Argentina

Suitability for Lease Farm Agriculture



AgReserves
Illinois

Timber Management Planning



Lim Geomatics
Alberta, Canada

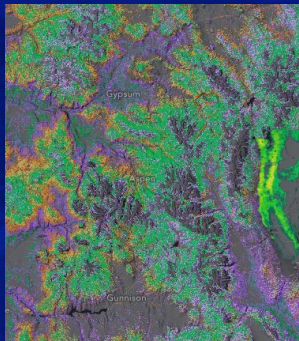
Tracking Timber Harvests



Ontario, Canada

Forestry

Modeling Forest Carbon Pools



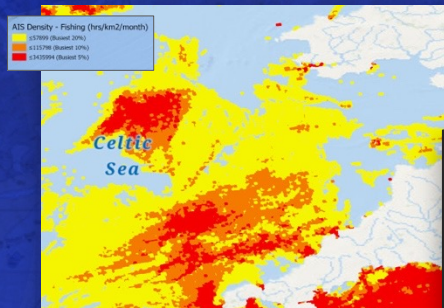
USDA Forest Service
Colorado

Forest Carbon Modeling



US

Tracking Commercial Fishing



University College Cork
Ireland | Western UK

Fisheries

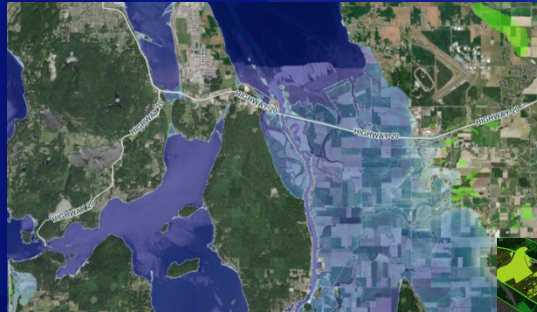
Illegal Fishing



Quiet Professionals
South America

Environmental Assessment and Conservation

Climate Change Sea Level Rise



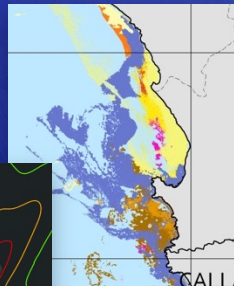
Samish Indian Nation
Department of Natural Resources
Washington

Noise Impacts



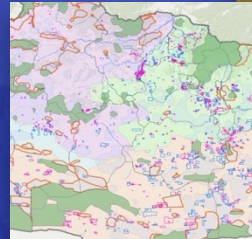
San Francisco Int'l Airport
San Francisco Bay, California

Oil Spill Damage & Restoration



CONIDA
Lima Shoreline

National Conservation Planning



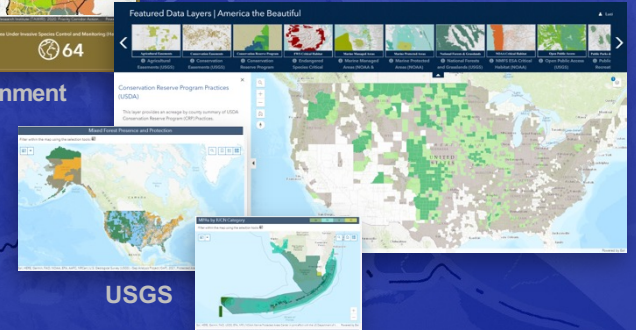
TNC Mongolia
Mongolia

Monitoring Tarangire Ecosystem



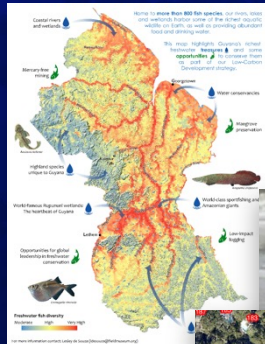
Techno-Environment Investment Tanzania

Conservation & Stewardship Atlas
America the Beautiful (30 x 30)



USGS

Freshwater Fish Diversity



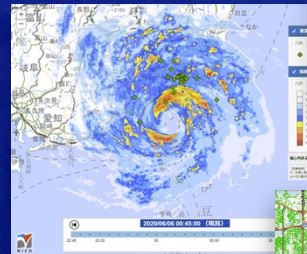
Field Museum of Natural History
Guyana

Sea Turtle Patrol



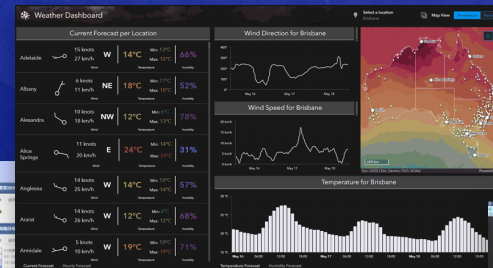
Amber Kuehn
Hilton Head Island,
South Carolina

Typhoon Monitoring



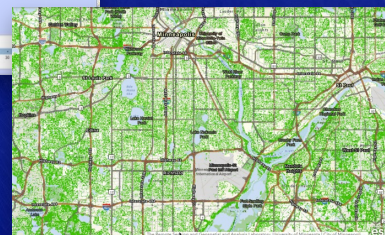
NIED
Tsukuba, Ibaraki, Japan

Real-Time Weather Dashboard



Australia

Extreme Heat Map



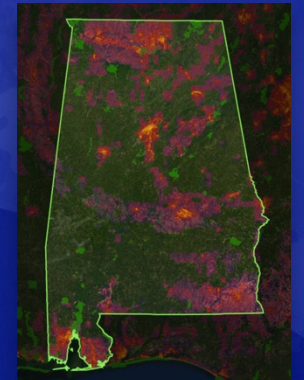
Metropolitan Council
Twin Cities, Minnesota

Real-Time Flood Inundation Mapping



NOAA | NWC
US

Modeling Biodiversity



E.O. Wilson Biodiversity Foundation
Alabama

Managing and Applying Land Information

Parcel Land Use



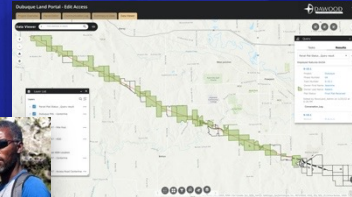
MipMap
AIUla, Saudi Arabia

Mapping Boundaries of Agricultural Co-ops



Eos Positioning Systems
Fond-des-Blancs, Haiti

Land Acquisition Management for Pipeline

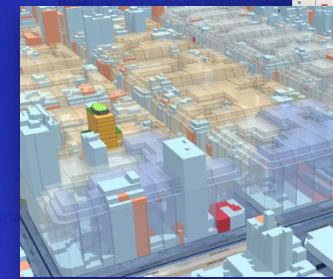


Dawood Engineering
Illinois

Acquisition Portal

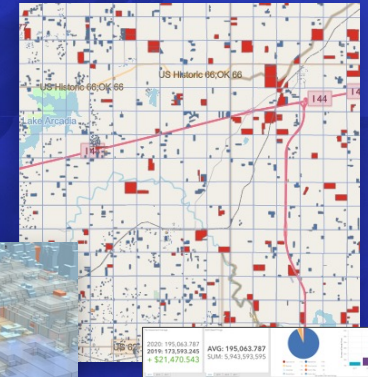


3D Property Zoning



GDS Latam Group
City of Buenos Aires, Argentina

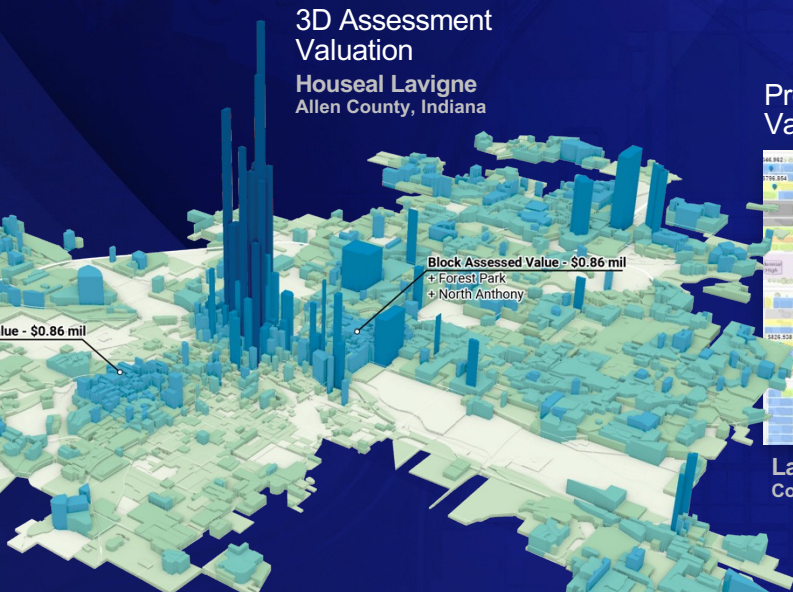
Deed Transaction Dashboard



County Assessor
Oklahoma County, Oklahoma

3D Assessment Valuation

Houseal Lavigne
Allen County, Indiana



Property Valuation



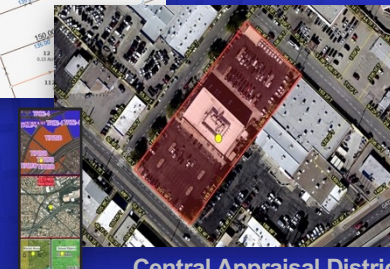
Larimer County
Colorado

Parcel Fabric Tax Map



County of Whiteside
Sterling, Illinois

Land Parcel Reporting



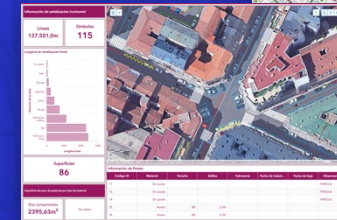
Central Appraisal District
El Paso, Texas

Parcel Visualization



Majlis Bandaraya
Johor Bahru, Malaysia

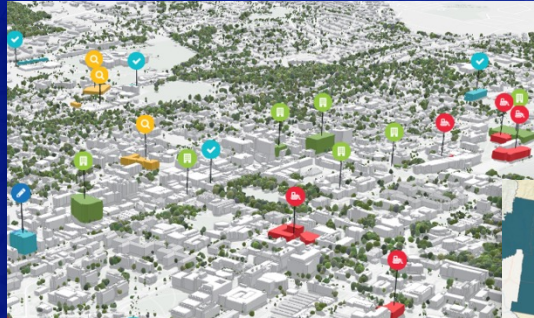
Smart City GIS Dashboard



Vexiza
Guadalajara, Spain

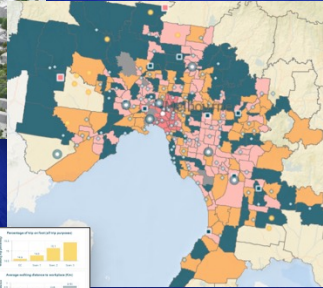
Urban and Regional Planning

Tracking Urban Development



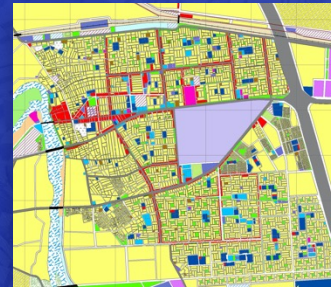
GloboLive3D
Hong Kong

Evaluating Urban Growth Scenarios



Monash University
Melbourne, Australia

Master Plan



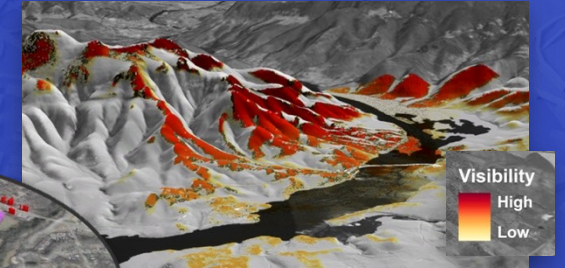
University of Baghdad
Fallujah, Iraq

Zoning Administration



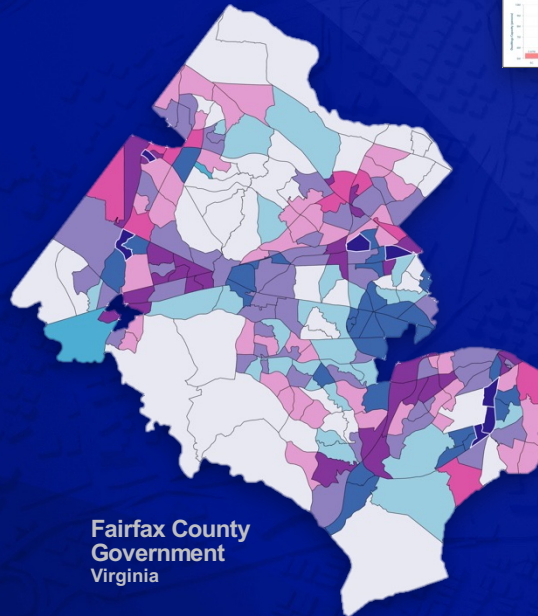
Columbus Consolidated Government
Columbus, Georgia

Visual Impact of Proposed Bridge



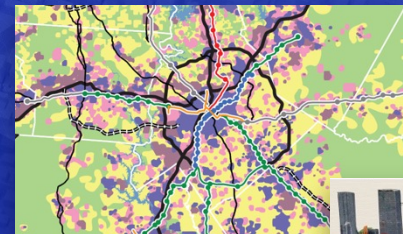
Entura
Hobart, Tasmania, Australia

Tree Planting Suitability



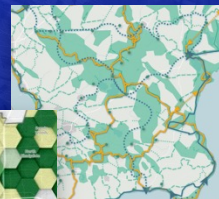
Fairfax County Government
Virginia

Land Use & Transit Planning



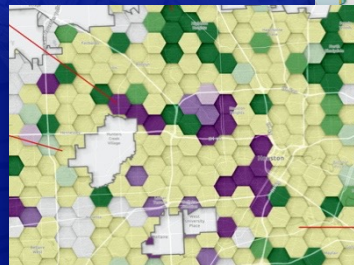
Columbia
South Carolina

Green Infrastructure



Region Skåne
Sweden

Analyzing Housing Permits

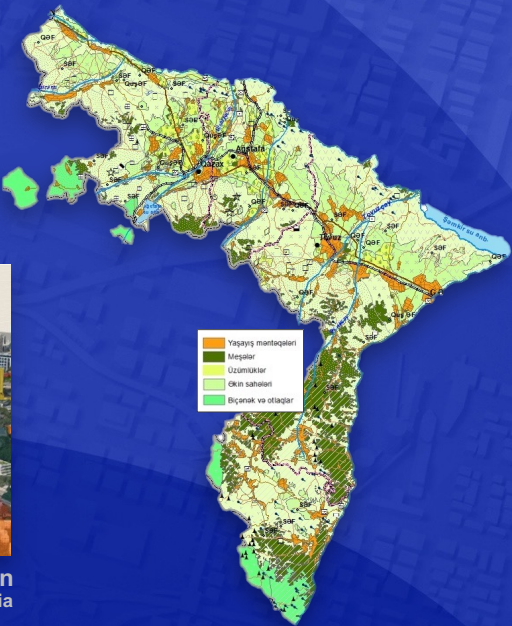


City of Houston
Texas

Land Use Plan



Brihanmumbai Municipal Corporation
Mumbai, India



Regional Planning
Institute of Geography of ANAS
Azerbaijan

Building, Facility and Campus Management

Building Space Use



Eagle Technology
Palmerston North, New Zealand

Planning
Visualization



Proposed Building Evaluation
State College Borough
Pennsylvania

Problem Reporting

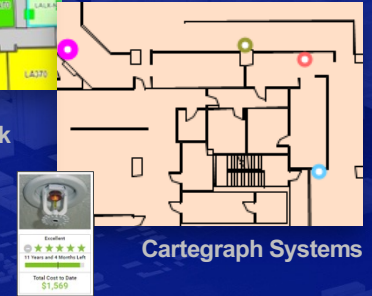


Imagem
Manaus, Amazonas, Brazil

Space Management



Asset Management



Cartegraph Systems

Building
Management



Turkey

Construction Management



Campus
Modeling

3D Textured Mesh



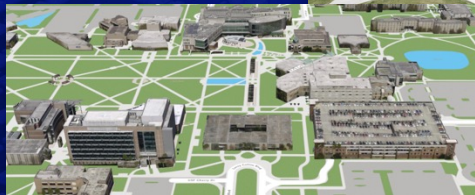
Middle Tennessee
State University

Nationwide (USA) Structures
Basemap



DHS | FEMA
Dallas County, Texas

BIM Integration

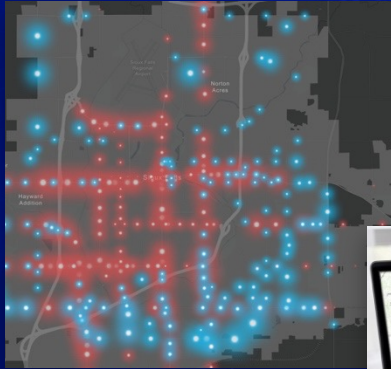


University of South Florida
Tampa, Florida

Campus
Modeling

Transportation Planning and Management

Traffic Count Change



City of Sioux Falls
South Dakota

Management

Real-Time Traffic Counts



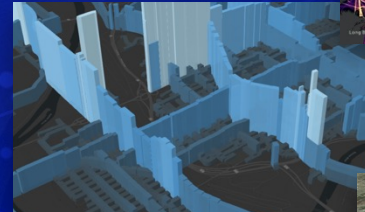
Larson Design Group
Washington, DC | North Carolina

Road Inspection



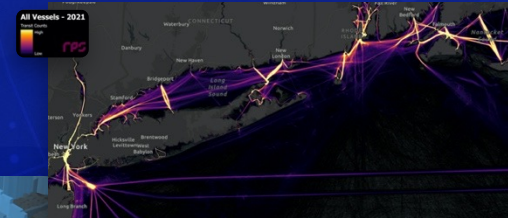
Axim Geospatial
Louisiana

Traffic Volume



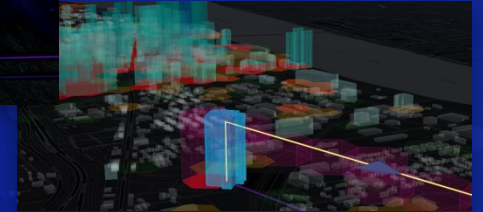
Wyandotte County
Kansas City, Kansas

Vessel Traffic



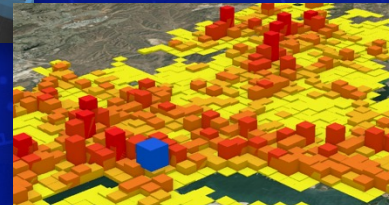
RPS
Northeastern US

Suitability Routing of Drones (UASs)



Airspace Link
Chicago, Illinois

Traffic & Braking Analysis

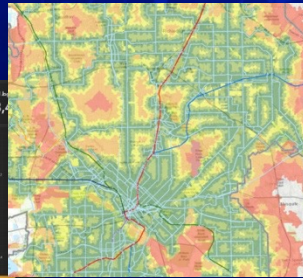


Wejo
San Diego, California

Monitoring

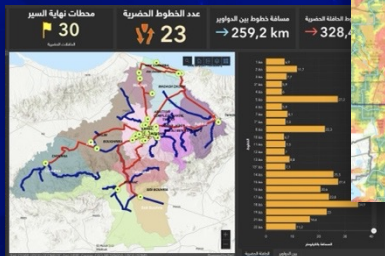
Analyzing

Access to Bus Networks



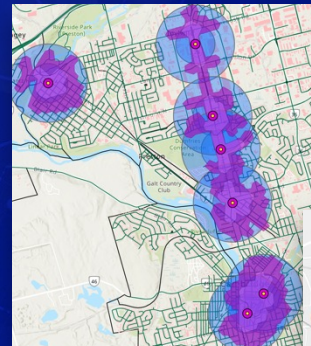
DART
Dallas, Texas

Bus Transit Monitoring



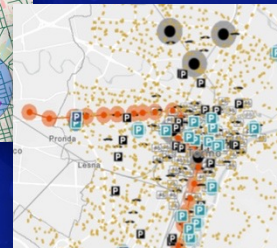
SDL MARAFIK BERKANE
Berkane, Morocco

Rail Stops Access



University of Waterloo
Ontario, Canada

Intermodal Transit Planning



Politecnico di Torino
Turin, Northern Italy

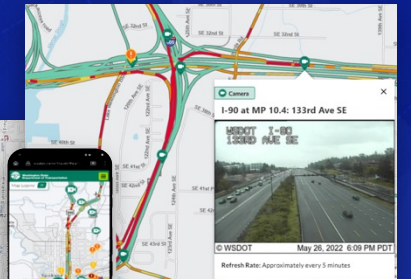
Planning

Electric Vehicle Charging Stations



City of Medford
Oregon

Real-Time Traveler Information



Washington DOT
Washington

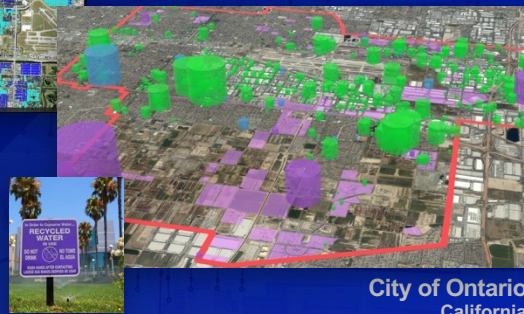
Water and Wastewater Management

Monitoring Water Consumption



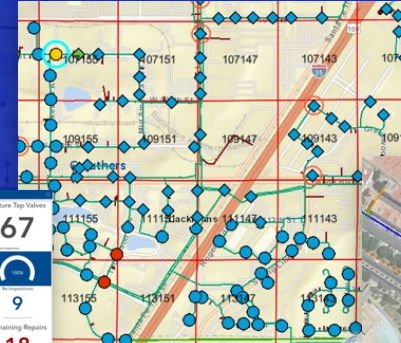
Palm Beach County Water Utilities Department
Florida

Targeting High Water Consumption



City of Ontario
California

Water Inspections



Monitoring Outages



Trabajos Catastrales
Seville, Spain

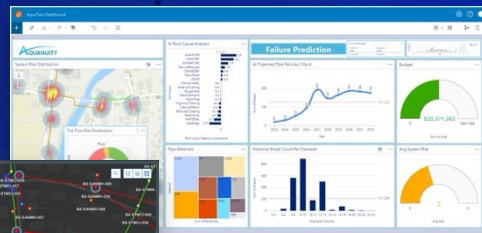
Valve Inspection App & Dashboard



CyberTech
Kansas City, Kansas

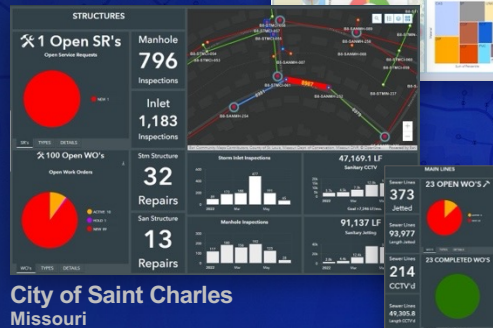
Pro-West & Associates
North Dakota

Analyzing Citywide Operations (Insights)



Aquanuity
Illinois

Sewer Operations



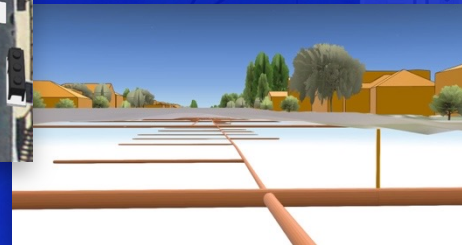
City of Saint Charles
Missouri

Sewer Treatment Integration with SCADA



Eagle Technology
Westport, New Zealand

Visualizing Water Pipes



Eagle Technology
Westport, New Zealand

Managing Wastewater Facility

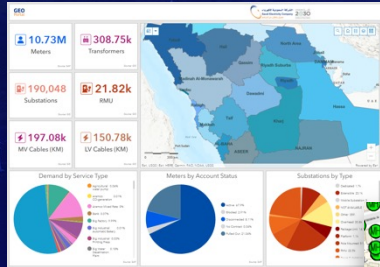


Orange County Sanitation District
California

Energy Utilities

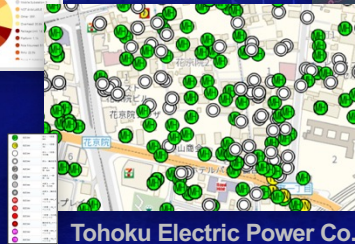
Grid Monitoring

Consumption Dashboard



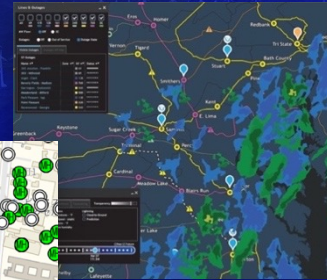
Khatib & Alami
Saudi Electricity Company
Saudi Arabia

Smart Meter Management



Tohoku Electric Power Co.
Miyagi, Japan

Weather & Outages



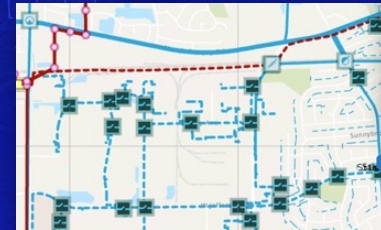
Integral GIS
Northeast US

Visualizing Underground Utilities



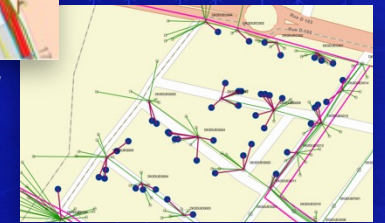
Symology
Perth, Scotland

Network Management



SSP Innovations
CPS Energy
San Antonio, Texas

Asset Management



Senegal

Asset Management

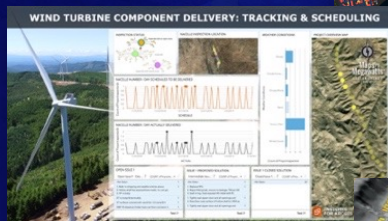
Renewable Energy

Urban Solar Potential



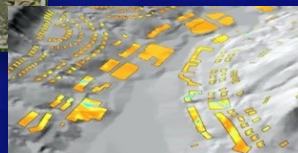
BARAL Geohaus-Consulting
Constance, Germany

Monitoring Wind Generation



Aegean Energy Group
North America

Solar Potential



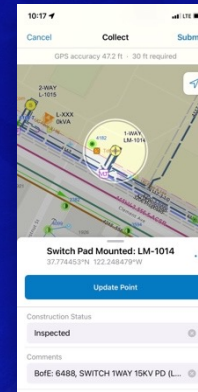
Enel Green Power
Maharashtra, India

EV Charging Stations Accessibility



Wejo
Los Angeles, California

Equipment Inspection



Alameda
Municipal Power
California

Vegetation Management



AAM Group
Melbourne, Australia

Pole Inspection

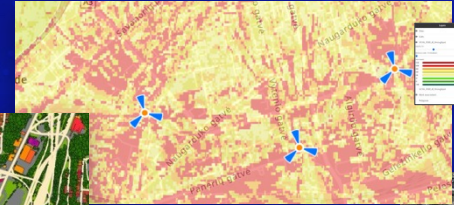


Schneider Electric
Florida

Telecommunications

Planning & Design

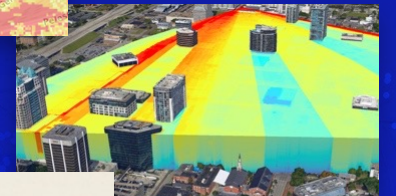
Cellular Network Analysis



5G Planning Data

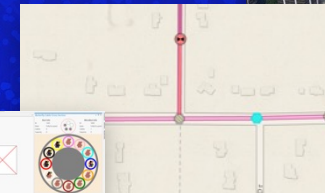


5G Network Planning



Cellular Expert Global

Network Design

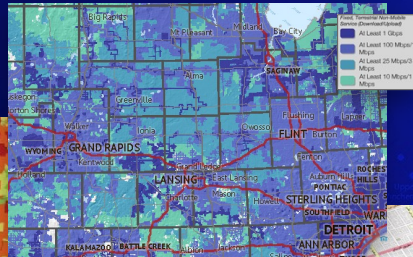


Expera Online
Orlando, Florida

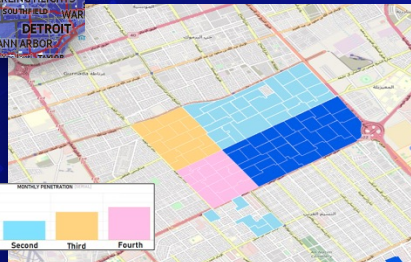


Khatib & Alami
Lebanon

Broadband Coverage

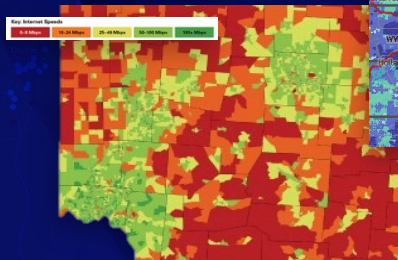


Broadband Service Analytics



Integrated Telecom Company
Saudi Arabia

Internet Speeds

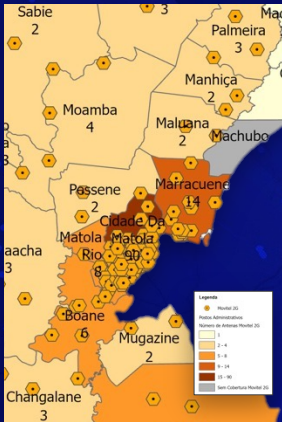


Platte River Analytics
Ohio

Connected Nation Michigan



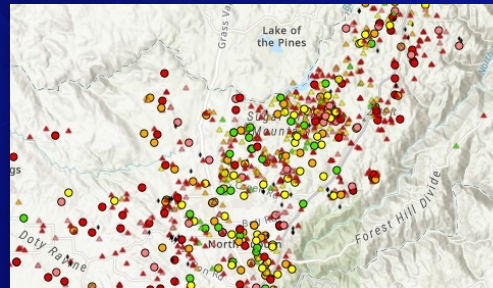
Cellular Coverage



Autoridade Reguladora
Das Comunicações
de Moçambique
Maputo Province, Mozambique

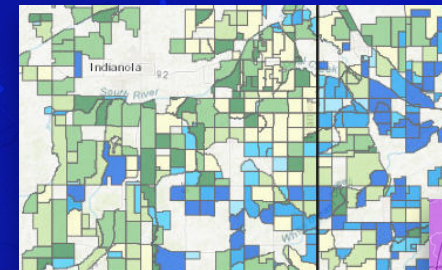
Coverage

Rural Broadband Survey



County of Placer
California

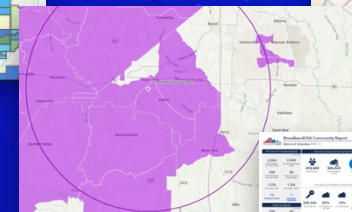
Broadband Planning



HR Green
Central Iowa

Engineering

Targeting of Minority-Serving Organizations



NTIA
US

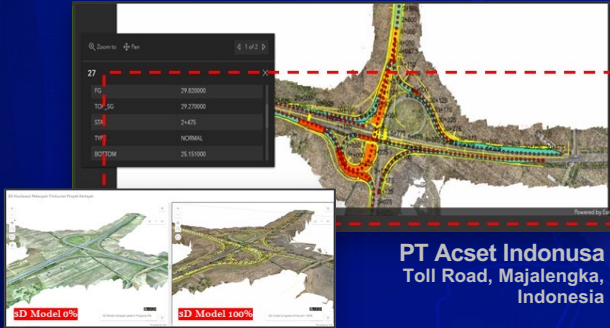
Broadband Engineering



BTC
Lower Saxony, Germany

Engineering and Public Works Management

Managing Fill Material



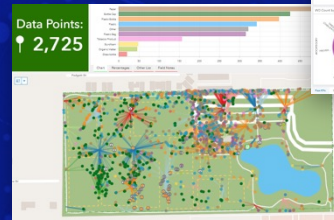
PT Acset Indonusa
Toll Road, Majalengka,
Indonesia

Optimizing Fleet Management



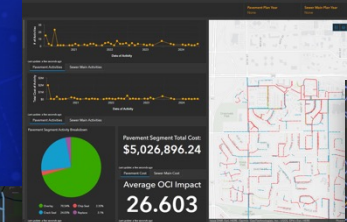
Cityworks
St. Johns County, Florida

Organizing Volunteer Trash Collection



City of Sugar Land
Texas

Pavement Maintenance



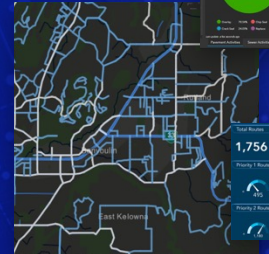
Cartegraph Systems
West Des Moines, Iowa

Subsurface Asset Management



San Francisco Int'l Airport
California

Snow Removal Dashboard



Jan Acusta
Kelowna, British Columbia

Monitoring Urban Infrastructure



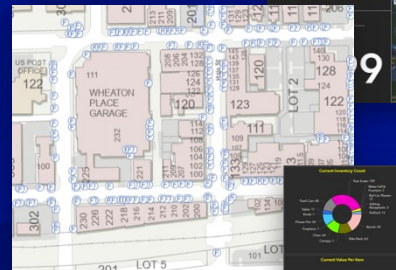
Municipalidad de la Ciudad de Mendoza
Mendoza, Argentina

Traffic Signal Inspection (Survey123)

SIGNAL HEAD	NB 3 Section (12" Circular)	OVERALL RATING 4
FIELD NOTES		
Signal point mildly peeling but is fully functional		
Asset number 3063 104 NB2		
Signal over roadway No		
Size 12 inch		
Signal Head Mounting Type Span - Free		
Material Aluminum		
Color Yellow		
Drip loops adequate Yes		
Programmable heads No		
Signal head hardware satisfactory Yes		
Clearance of head/backplate to roadway: 16R 2in		
Fall hazard? No		
Fall hazard maintenance performed n/a		
Backplates No		
Reflective strip n/a		
Backplates acceptable n/a		
Obstructions No		
Free from any visible water Yes		
Lenses clean & free from damage Yes		
Tethers No		
Tethers secure n/a		
Programmable heads operating properly Yes		
Span hangers & signal head cable satisfactory Yes		
Refer for formal light distance check No		

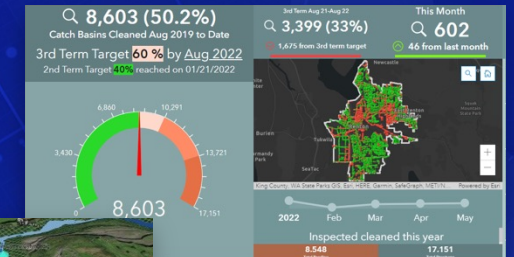
City of Columbus
Ohio

Street Furniture Inventory



City of Wheaton
Illinois

Tracking Pollution Permits



City of Renton | Cityworks
Washington

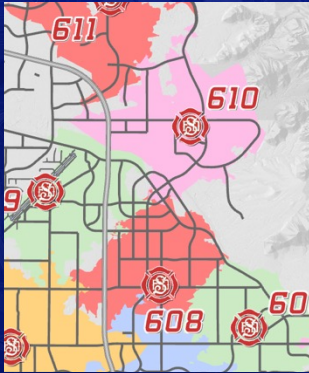
Engineering Water Treatment Plant (GeoBIM Integration)



AECOM
Wales, UK

Public Safety and Emergency Management

Four-Minute Drive Fire Response



City of Scottsdale Fire Department
Arizona

Violent Crimes



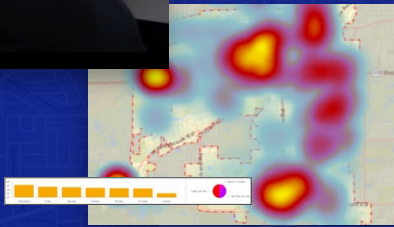
GEO Jobe
Washington, DC

Real-Time Crime Monitoring



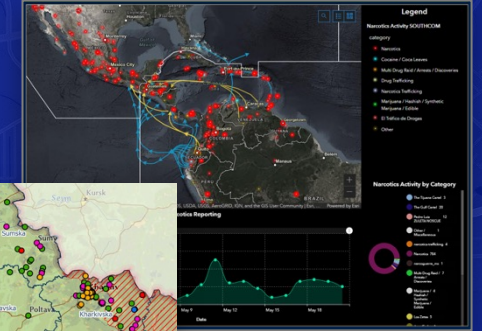
City of Baton Rouge
Louisiana

Crime Analytics



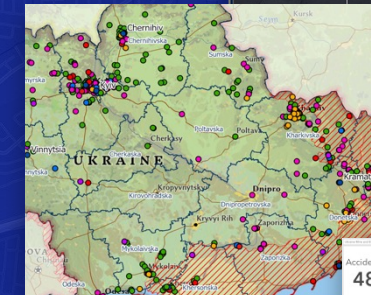
City of Wheaton
Illinois

Drug Trafficking



Quiet Professionals
South America

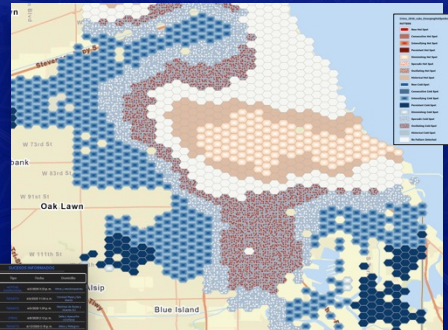
Landmine Clearance



The HALO Trust
Ukraine



Emerging Crime Patterns
(Hot Spot Analysis)



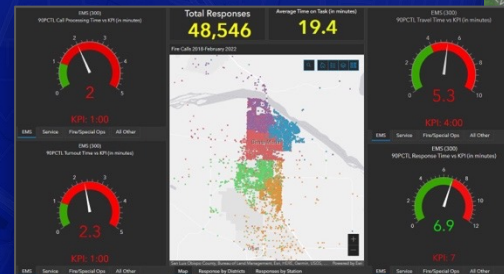
Aditya Allamraju
Chicago, Illinois

Public Safety Dashboard



Municipalidad de la Ciudad de Mendoza
Mendoza, Argentina

Fire Response Dashboard



City of Santa Maria
California

911 Dispatching



Butler County Sheriff's Office
Ohio

Firefighter Responses



City of Sugar Land
Texas

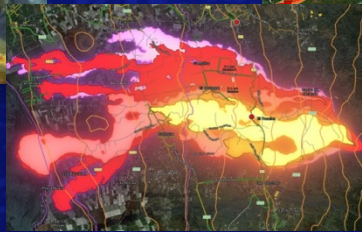
Planning for and Responding to Disasters

Hurricane Tracking & Assessment



Bent Ear Solutions
Southeastern US

Volcanic Eruption



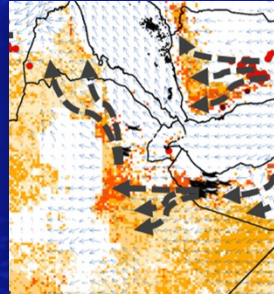
takatoa
La Palma, Spain

Real-Time Tornado Analysis



DTN
Kentucky | Missouri |
Arkansas | Tennessee

Desert Locust Movement Prediction



IGAD
Eastern Africa

Flood Dashboard



eThekweni Municipality
Durban, South Africa

Flood Modeling



Ministerio Medio Ambiente
San Salvador, El Salvador

Flood Simulation



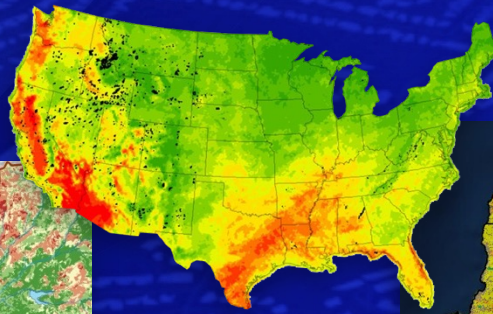
Ministry of Land, Infrastructure,
Transport and Tourism
Arakawa River, Japan

Structure Collapse



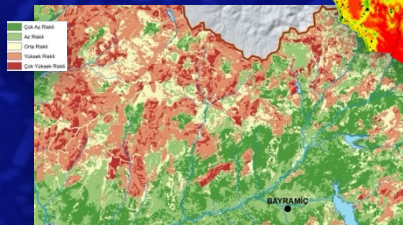
FEMA
Surfside, Florida

Drought & Wildfires



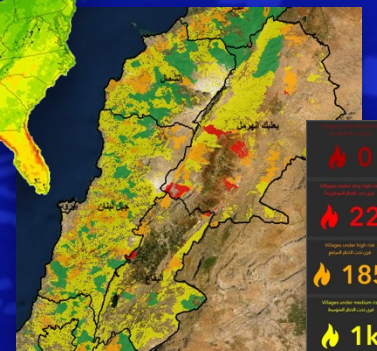
Argonne National
Laboratory | US DOE
US

Wildfire Risk



Pamukkale University
Mount Ida, Turkey

Fire Forecast



Red Cross
Lebanon

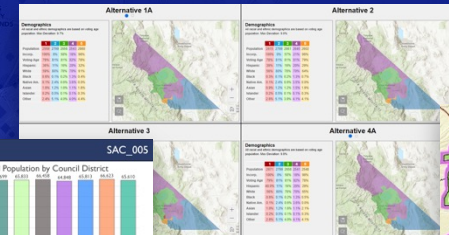
Sea Level Rise



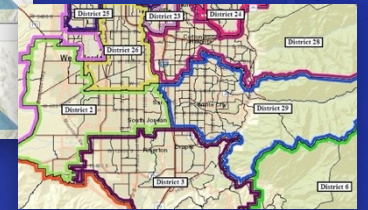
North Point Geographic Solutions
Texas | Louisiana | Mississippi

Census, Demographics and Political Redistricting

Redistricting

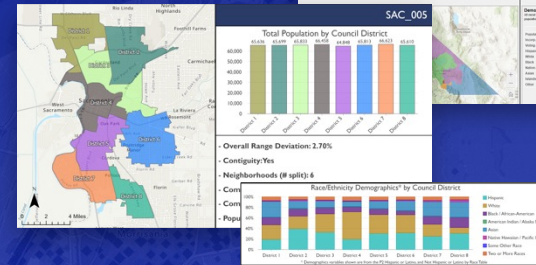


Redistricting



State of Utah

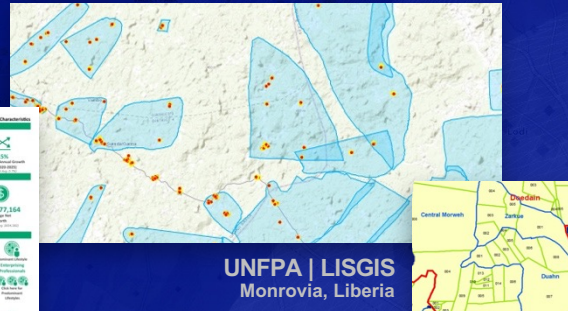
Managing Council Districts



Mono County California

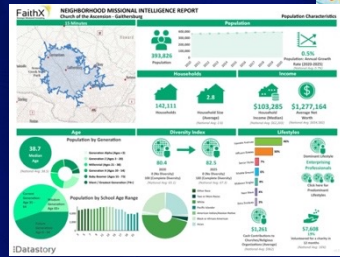
City of Sacramento California

Maps for Census Enumeration



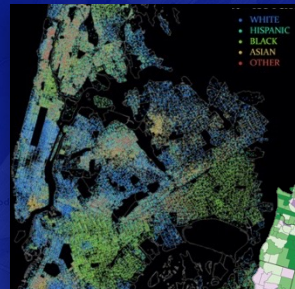
UNFPA | LISGIS
Monrovia, Liberia

Neighborhood Demographic Profile

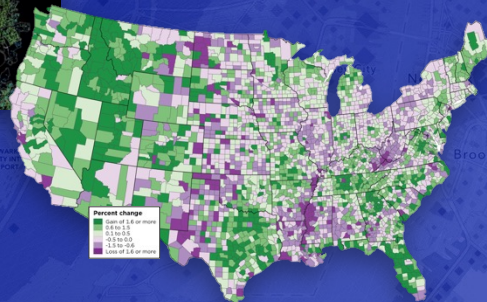


FaithX Project
Gaithersburg, Maryland

Distribution of Races

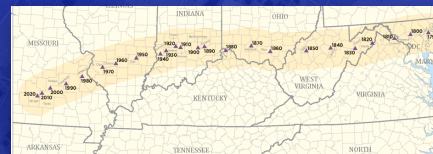


Percent Change in Population



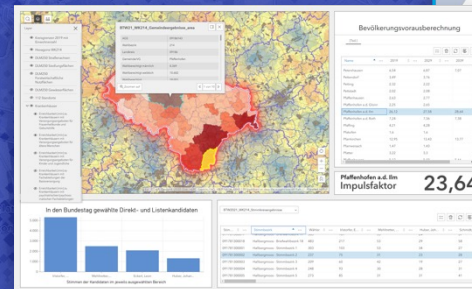
US Census Bureau US

Mean Center of Population



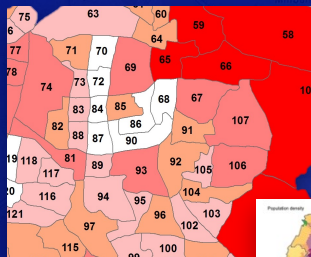
US Census Bureau US

Elections Monitoring



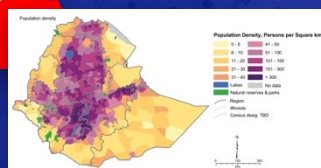
takotoa
Germany

Population Density



Shrabanti datta
Kolkata, West Bengal, India

Population Census



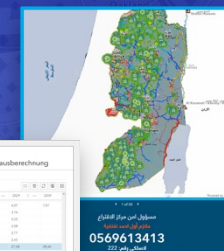
Central Statistical Agency
Ethiopia

Saturn Power

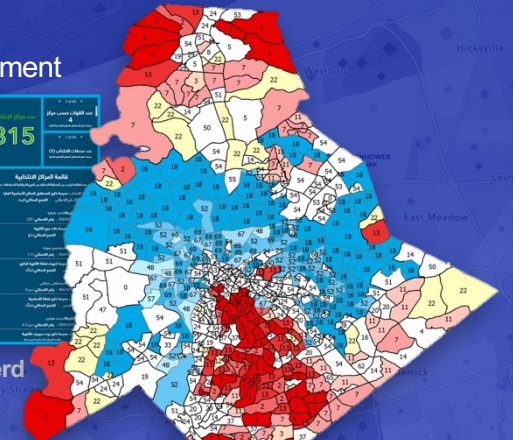
New York City, New York

Political Affiliation

Elections Management



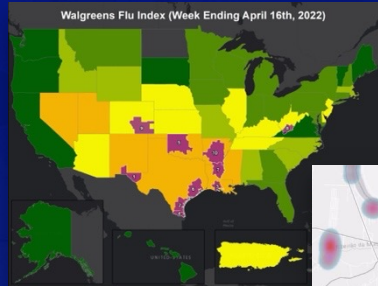
Good Shepherd
Palestine



Marcelino Pena
Charlotte, North Carolina

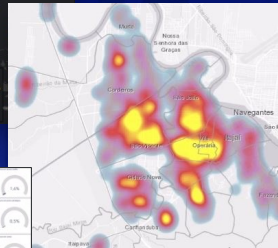
Health and Human Services

Flu Reporting



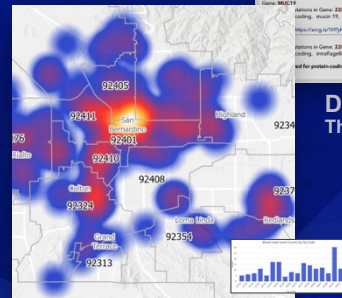
Walgreens US

Dengue Fever



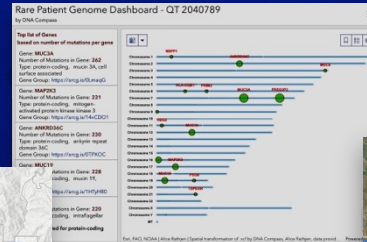
Município de Itajaí
Brazil

High Lead Levels in Children



San Bernardino County
California

Human Genome Dashboard



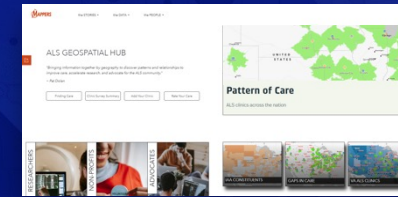
DNA Compass
The Human Genome

Affordable
Housing Programs



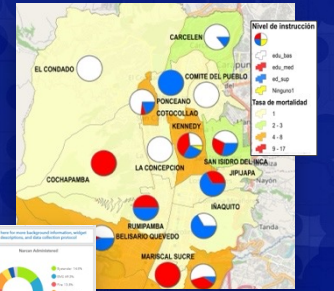
City of Reno
Nevada

ALS Patterns of Care



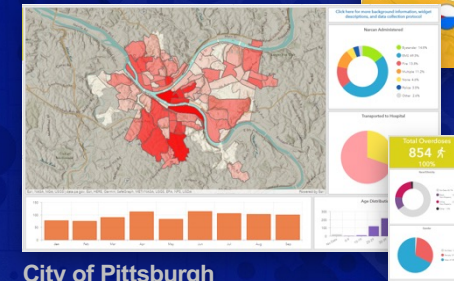
Mappers
US

Prostate Cancer



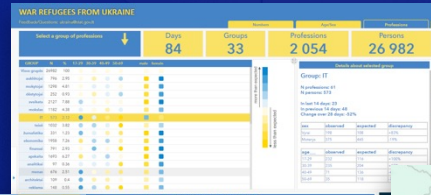
MSP
Quito, Ecuador

Opioid Overdoses

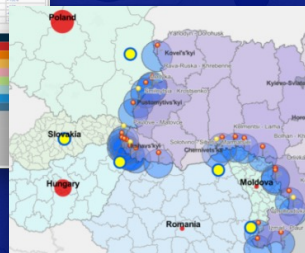


City of Pittsburgh
Pennsylvania

Tracking Ukrainian Refugees



Refugees Needs



İhtiyaç Haritası
Eastern Europe

COVID-19
Vaccinometer



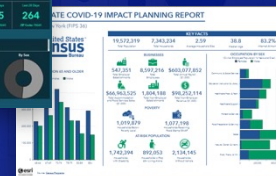
Autoridad para la Innovación
Gubernamental
Panama

COVID-19 Tracking



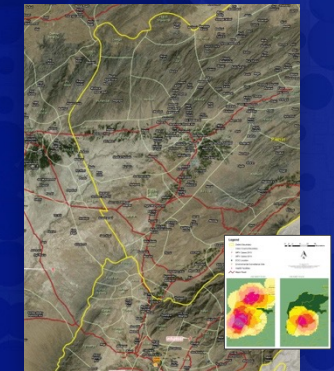
Axim Geospatial
Austin, Texas

COVID-19
Impact Reporting



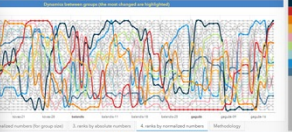
US Census Bureau
New York

Polio Eradication



National Emergency
Operations Center for Polio
Pakistan

Statistics Lithuania
Lithuania



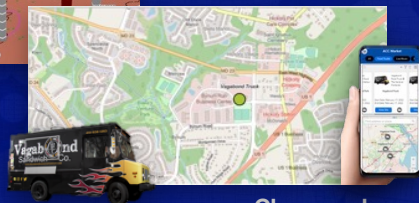
Business Analysis and Economic Development

Hot Spot Customer Analysis



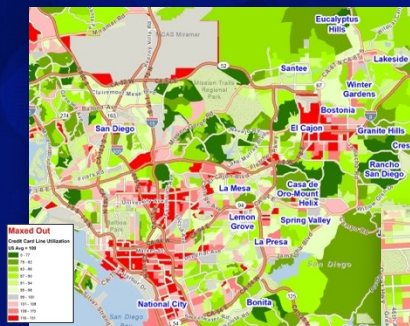
Jakarta, Indonesia

Local Business Promotion



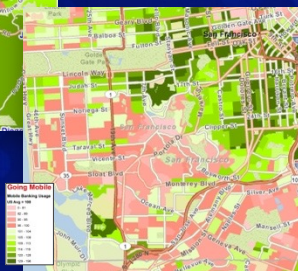
Chesapeake Environmental Management
Harford County, Maryland

Communities in Need
(Maxed Out Credit Cards)



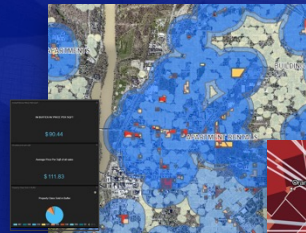
Retail Profit Management
San Diego, California

Mobile Bank Usage



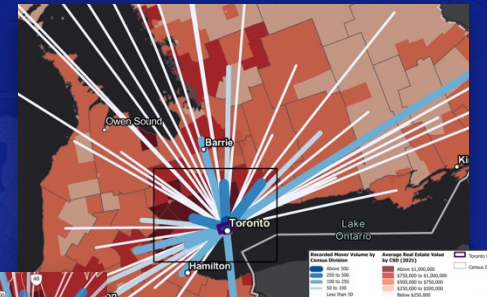
San Francisco, California

Business Zoning Impacts on House Values



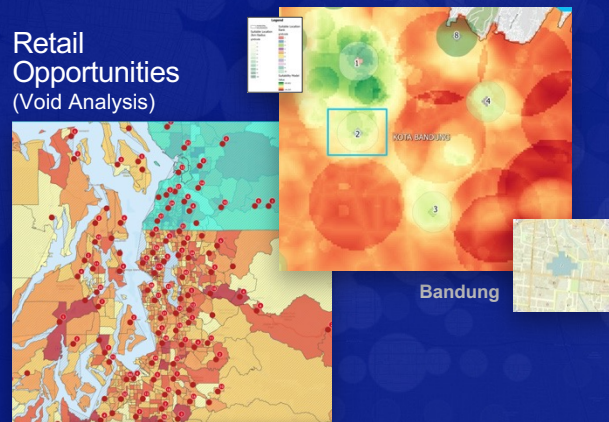
County of Tippecanoe
Indiana

Housing Costs & Travel Time



Envionics Analytics Group
Toronto, Canada

Retail Site Selection



CCIM
Seattle, Washington

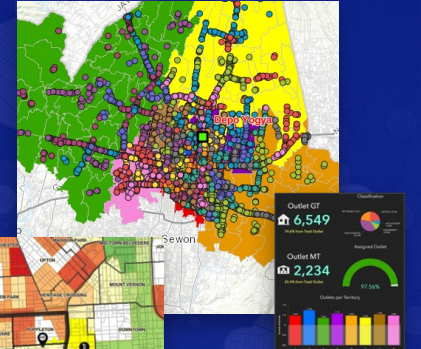
Retail Opportunities
(Void Analysis)

Mobile Advertising



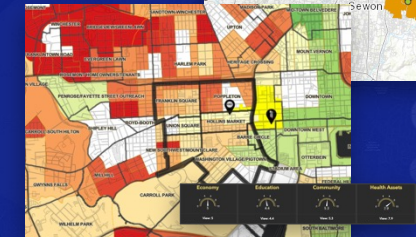
Columbia Distributing
US Pacific Northwest

Route-to-Market Optimization



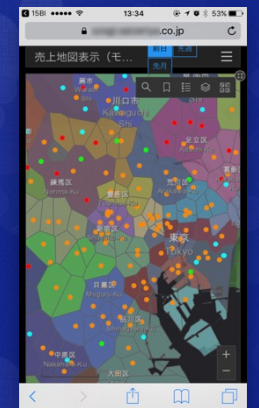
Yogyakarta,
Indonesia

Market Analysis



Datastory
Baltimore, Maryland

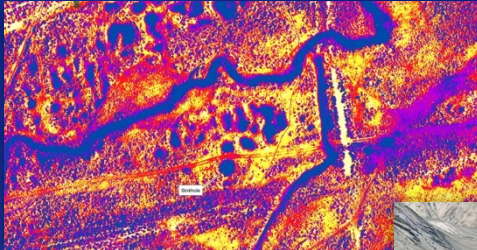
Store Sales



Saizeriya Co.
Japan

Imagery and Remote Sensing

Sinkhole & Mine Subsidence
(Thermal Orthomosaic)



Brierley Associates
Southeast Wyoming

Landslide Visualization
Impacts on Salmon



GeoBC
British Columbia, Canada

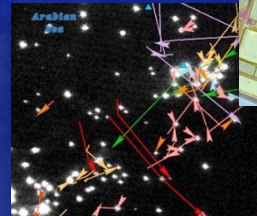


Monitoring EU
Agricultural Payments
(Sentinel)



Cyprus Agricultural
Payments Organization
Cyprus

Illegal Fishing
(Radio Frequency)



HawkEye 360
Arabian Sea

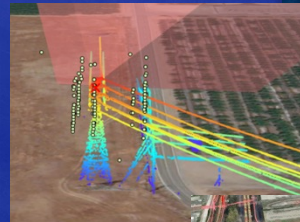
Fire Hot Spots
(MODIS)



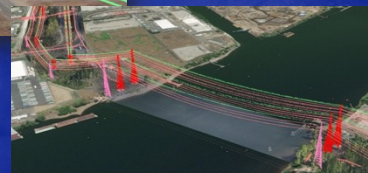
Imagem
Brazil



Transmission
Towers Visualization
(Lidar)



PG&E
Northern
California



Department of Energy—BPA
Northwest US

Detecting
New Structures
Using AI
(Aerial)



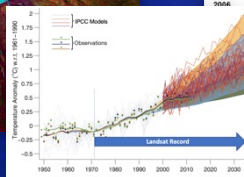
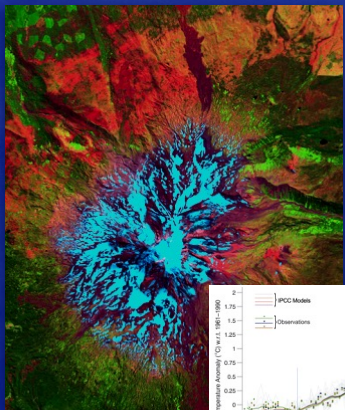
Trinity River Authority
Lake Livingston, Texas

Visualizing
Industrial Facilities
(Drone / 3D Mesh)



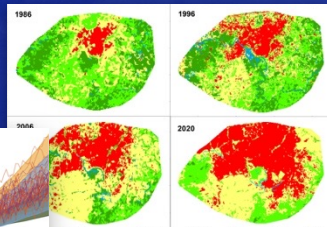
Openware
Al-Ahmadi and Al-Abdullah
Minas Harbors, Kuwait

Climate Change
(Landsat)



USGS
US

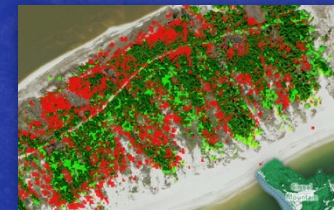
Land Cover Change
(Landsat)



Deji Muhammed
Osogbo, Osun, Nigeria

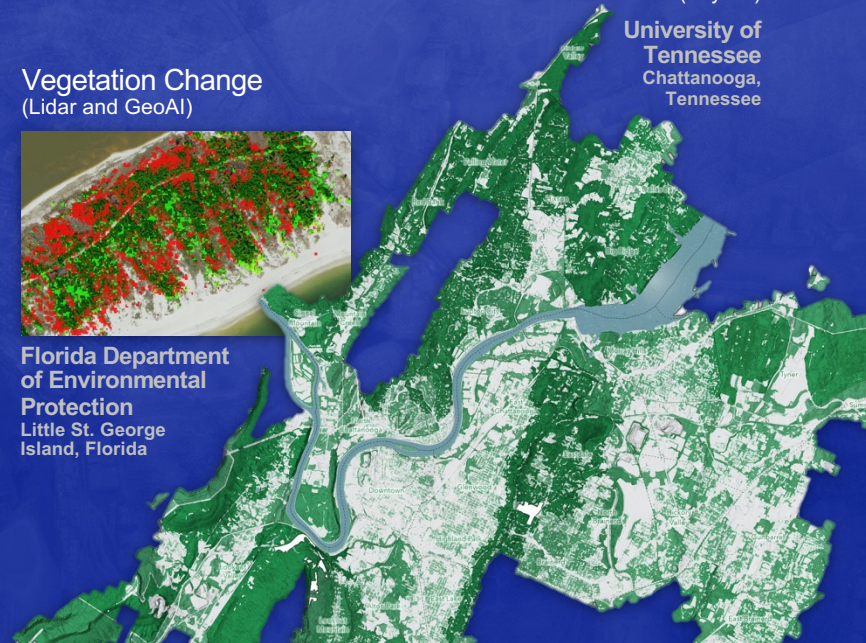
Urban Forest Mapping
(SkySat)

Vegetation Change
(Lidar and GeoAI)



Florida Department of
Environmental
Protection
Little St. George
Island, Florida

University of
Tennessee
Chattanooga,
Tennessee



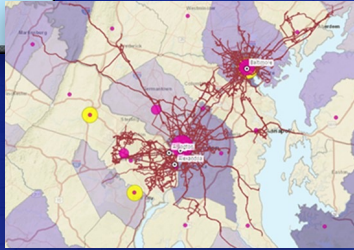
Social Equity

Vulnerable Populations & Health



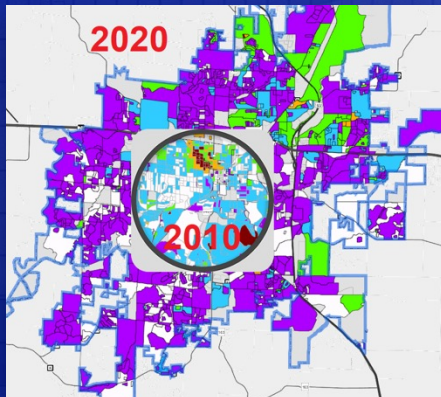
Data Vision Group
New York City, New York

Transit Access for Socially Vulnerable Communities



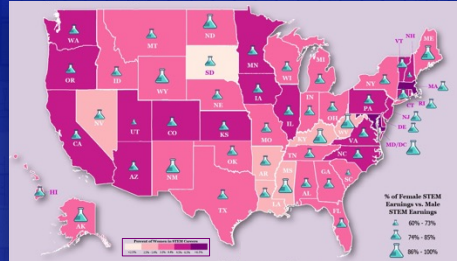
USDOT
Washington, DC Region

Reapportionment & % Black Population



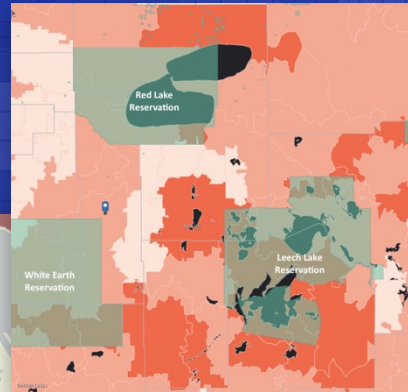
City of Columbia
Missouri

Gender Gap in STEM



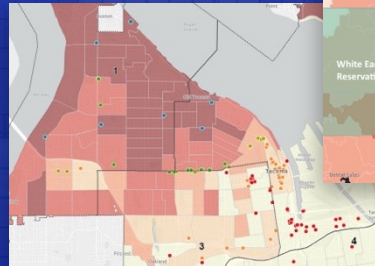
Johns Hopkins University
US

Arrest Rate & Native American Reservations



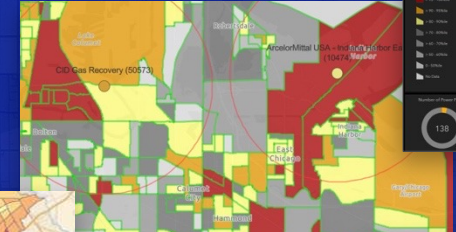
FaithX Project
Bagley, Wisconsin

Grant / Loan Applications & Equity



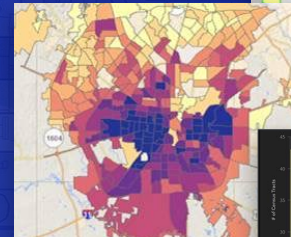
City of Tacoma
Washington

Power Plant Emissions & Environmental Justice



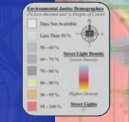
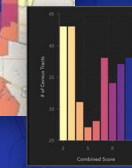
Streetlight Density & Environmental Justice

Interactive Equity Atlas



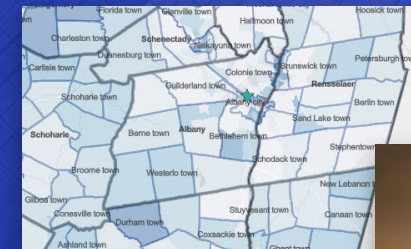
City of San Antonio
Texas

US EPA US



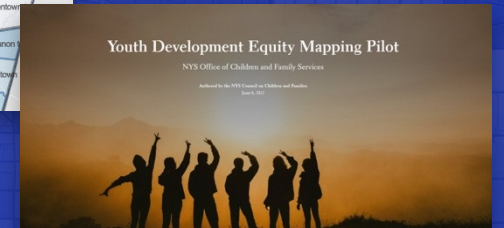
Salt Lake City Department
of Public Utilities
Utah

Children & Poverty



NYS Council on
Children and Families
New York

Equity Mapping



Public Engagement and Collaboration

Open Data

Open data portal interface with search bar and data categories. Categories include COVID-19 data, Population and housing census data, Agricultural census data, and Operating entities and land units.

Statistics Lithuania
Lithuania

Douglas County Government
Colorado

Asset Management System

Enterprise Asset Management system interface showing various asset categories and management tools.

City of Sioux Falls
South Dakota

Public Access Portal

Public Access Portal for Shawnee, Kansas, featuring maps and open data. Includes a section for featured apps like the 2021 Budget Report and Economic Development.

Cityworks
Shawnee, Kansas

Public GIS Services

Camden County Enterprise GIS services interface showing a map of Camden County, New Jersey, with various data layers and a sidebar for featured maps and apps.

Camden County Department of Public Works
New Jersey

Budgeting Portal

Reclamation Active Construction Projects Dashboard showing 484 active construction projects and \$10.7B in estimated total investments. Includes a map of the United States and a bar chart of construction activities by region.

US Bureau of Reclamation
US

National Situational Awareness

National Situational Awareness Map showing a map of the United States with various data layers and a sidebar for featured maps and apps.

Red Cross
Southeast US

Emergency Management

Walmart Emergency Management Hub interface showing a map of the United States with various data layers and a sidebar for featured maps and apps.

Walmart
US

Disaster Response

FEMA Geospatial Resource Center interface showing various disaster response resources and a sidebar for featured maps and apps.

FEMA

Comprehensive Planning

City of Willmar Comprehensive Plan Draft interface showing a map of Willmar, Minnesota, and a sidebar for featured maps and apps.

Pro-West & Associates
Willmar, Minnesota

Election Transparency

Promoting Transparent Elections interface showing a map of Polk County, Minnesota, and a sidebar for featured maps and apps.

Polk County, Minnesota

VISION



GIS

Mapping Common Ground

Creating Agreed Upon Understanding . . .

A Foundation for Positive Action

Mapping

. . . and The Geographic Approach

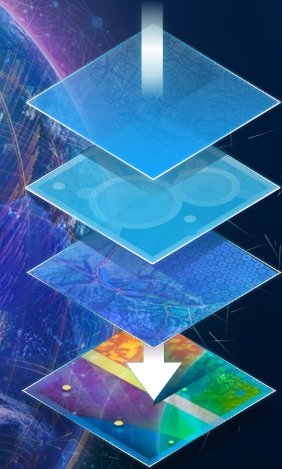
Are Powerful Means for . . .

Creating Understanding . . .

Exploring Alternatives . . .

Finding Solutions . . .

and Reaching Agreement



*Creating
Agreed Upon
Understanding*

Mapping Common Ground

A Foundation for Positive Action

Mapping Common Ground Requires We Consider All the Factors



The Geographic Approach

A Way of Thinking and Problem Solving
That Integrates Geographic Science & Information
Into How We Understand and Manage Our Planet

Science Based

Integrated

Holistic

Spatial
Understanding

Supporting
Multi-Objective
Solutions

Collaborative

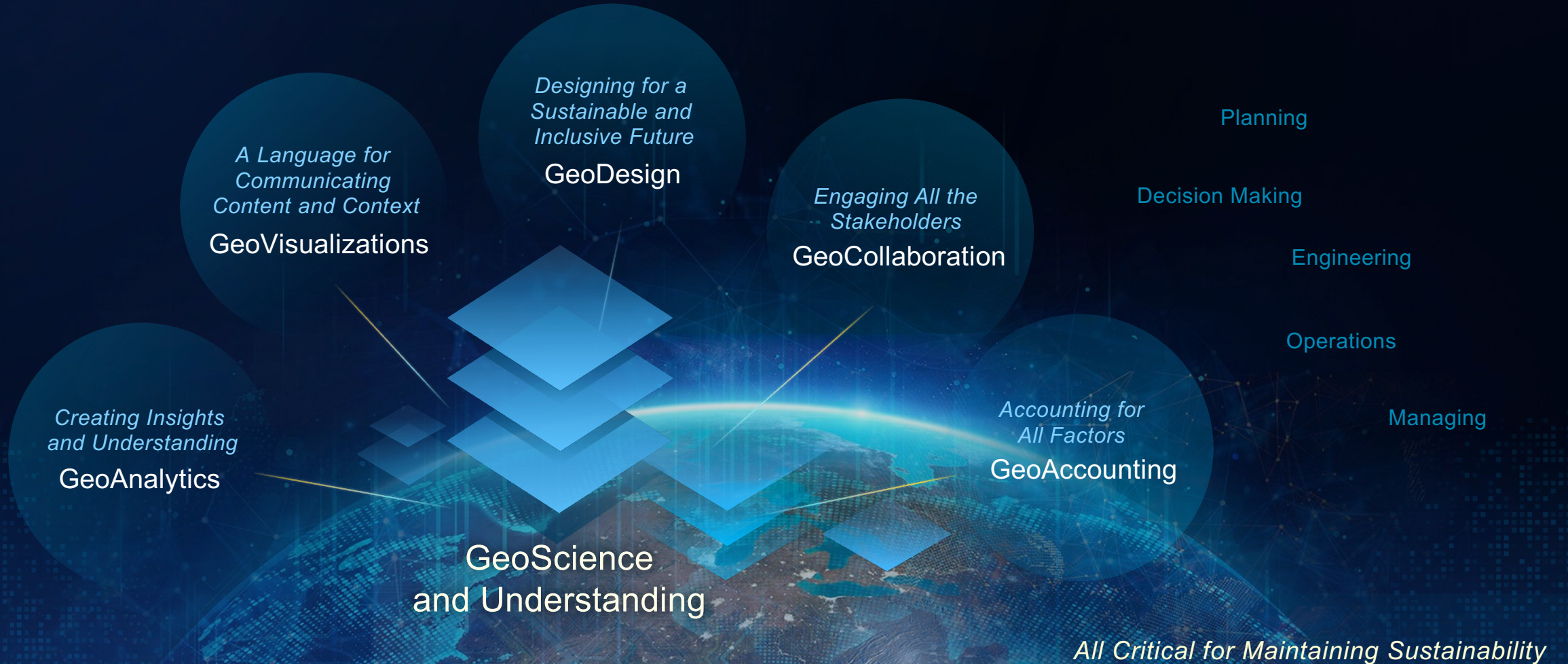
GeoScience
and Understanding

*... An Inclusive and Multi-Disciplinary Process
Impacting Every Sector of Society*



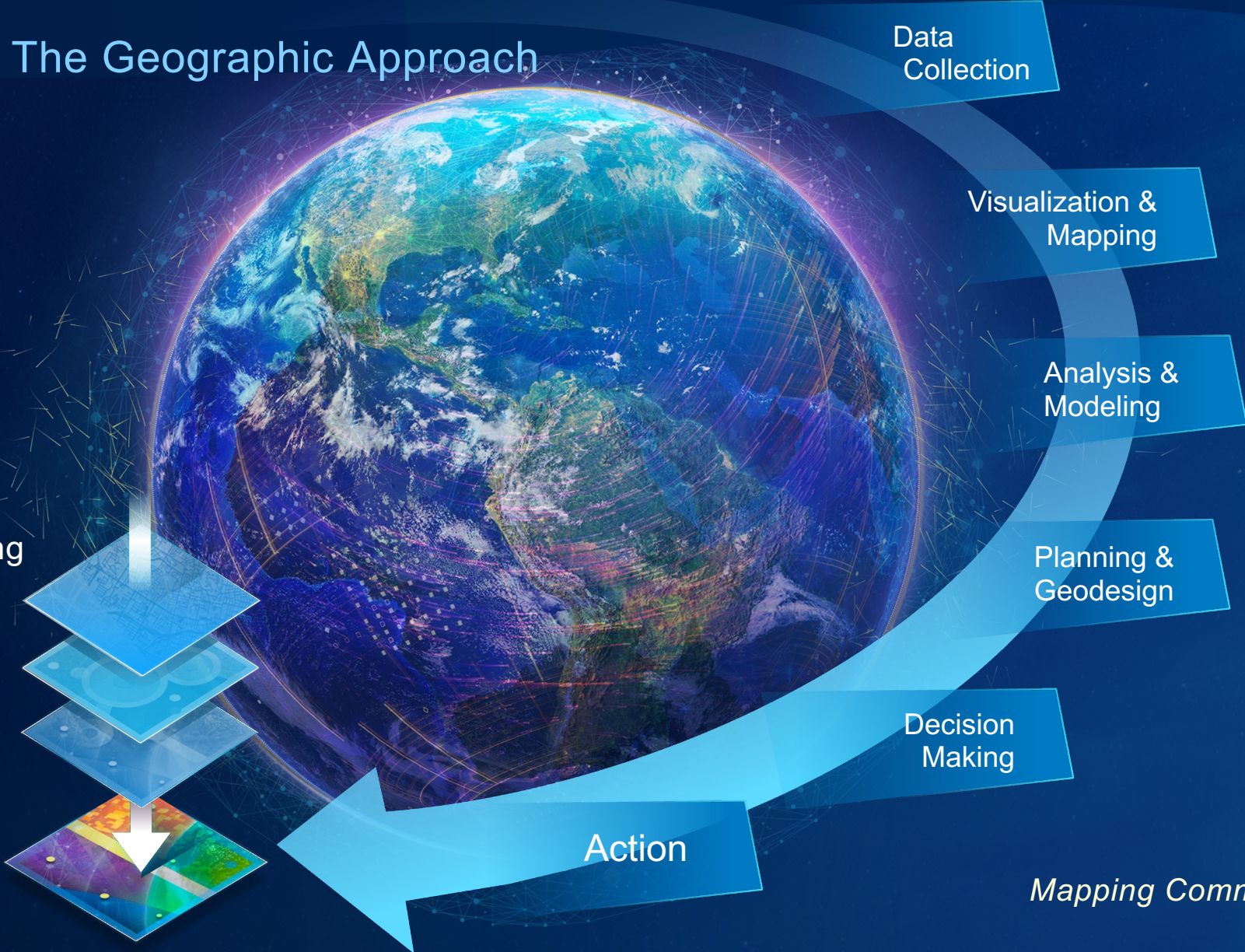
The Geographic Approach

Integrates and Supports Powerful Methodologies



GIS Enables The Geographic Approach

A Process for
Creating Understanding
& Facilitating
Collaboration



Data
Collection

Visualization &
Mapping

Analysis &
Modeling

Planning &
Geodesign

Decision
Making

Action

Mapping Common Ground

Geospatial Professionals Are Already Mapping Common Ground

Mapping All the Factors

Creating Understanding . . .

Facilitating Collaboration . . .

Community Planning



Reducing Violence

Resolving Conflicts

Conservation Planning

Prioritizing Investment

Environmental Assessment

Community Planning

Helping Homeless

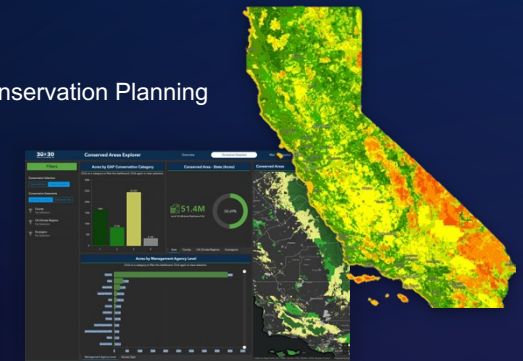
Conservation Planning

Siting Renewable Energy

Applying Science

Managing Resources

Addressing Homelessness



Finding Equitable Outcomes

Addressing Drug Addiction

UN Global Sustainable Development Goals (SDGs)



Organizing Communities

Planning for Sustainability



Leveraging GIS Technology At Many Scales . . .

And Creating Geospatial Infrastructure . . .

A Growing Network of Distributed Shared Services

Millions of Users

Sharing 10s of Millions of Datasets

Serving Billions of Maps Daily

Reaching Billions of People . . .
. . . with Stories About Our World

*Enabling . . .
Shared Understanding,
Collaboration and Efficient Action*



Geospatial Knowledge Infrastructure

Expanding SDI beyond data to knowledge and understanding



Metadata catalogs



Federated portals



Digital ecosystems

Search & Discovery \longrightarrow Integration & Use

GKI Integrates Digital Twins

Interconnecting Content, Behavior & Workflows



... Supporting Holistic & Collaborative Approaches

Mapping Common Ground

Is Essential for Addressing Our Greatest Challenges



Requires the Thoughtful Work of GIS Professionals

Mapping the Future We Want to See

Geospatial Professionals

Have a Special Responsibility

To Help Others Find Common Ground

Providing Leadership

Building Trust

Listening

Collaborating

Resolving Conflicts

Understanding

What's Needed

Facilitating Agreements

Communicating

Supporting Communities

Designing Solutions

Exploring What's Possible. . .

. . . Inspiring Action for a Sustainable Future

