



Applying. . .

THE SCIENCE OF WHERE

Dean Angelides
Corporate Director, Esri
AfricaGIS 2017
Addis Abeba, Ethiopia

. . . for the Africa We Want

OUR WORLD

*Is Undergoing a Massive
Digital Transformation*



THE SCIENCE OF WHERE

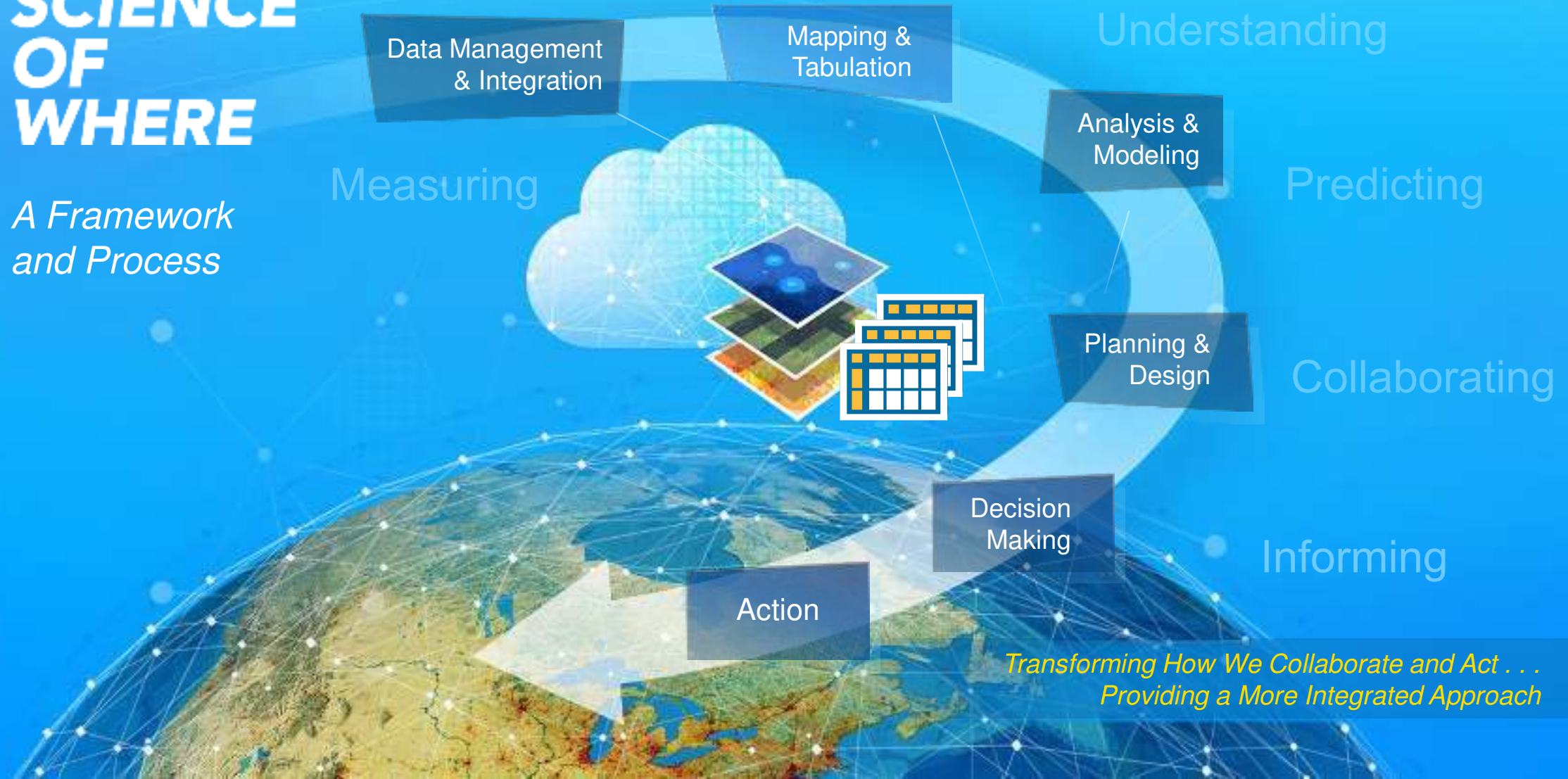
*A Fundamental
Digital Language*



*For Understanding and
Managing Our World*

THE SCIENCE OF WHERE

*A Framework
and Process*



*Transforming How We Collaborate and Act . . .
Providing a More Integrated Approach*



Applications

Addressing All Our World's Challenges

Agriculture

Nature
Conservation

Science & Technology

Pollution

Water Resources

Climate
Change

Social Conflicts

Natural
Disasters

Infrastructure

Urbanization &
Development

National
Security

Energy

Business

Environment

Transparent
Government

Economic
Development

Natural
Resources

**THE
SCIENCE
OF
WHERE**

Making A Difference

Authoritative Mapping

UN Peacekeeper Deployment



Central Africa Republic
UN

City Map Generalization



United Kingdom
Ordnance Survey
of Great Britain



South Africa

Geological (Web) Visualization



Utah
Geological Survey

Topographic Mapping



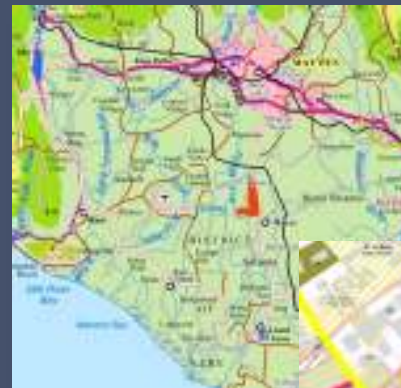
On-Demand Services
USGS

Global Foundation Geospatial Management (FGM)



NGA

Topographical Map



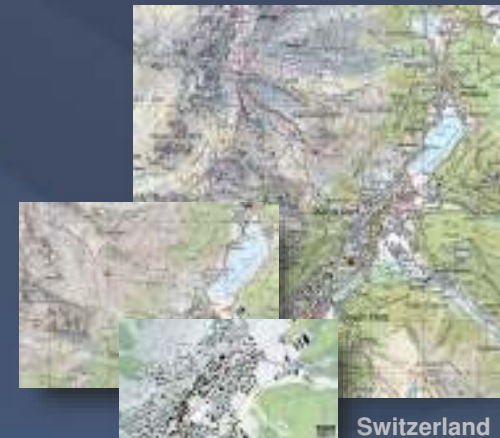
Jamaica
National Land Agency

Travel Mapping



France
Michelin

Multiscale Topo Map



Switzerland
swisstopo

Managing and Analyzing Land Information

Tax Map



Canadian County, Oklahoma

Land Registration



Russia

Cadastral



Jamaica
National Land Agency

Predicting Vacancy



Pennsylvania
City of Philadelphia

Public Land
Use Portal



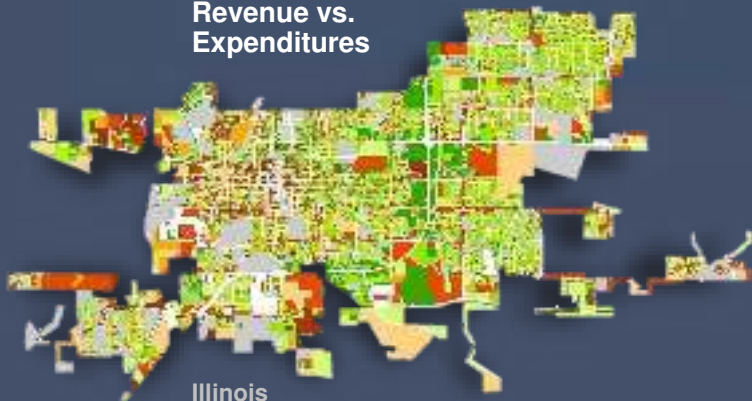
Austria
SynerGIS

Interagency Collaboration



The Netherlands
Provincie Noord-Holland

Revenue vs.
Expenditures



Illinois
GISRDC

Assessed Value

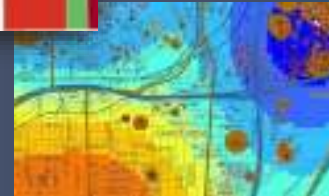


Tax Appeals



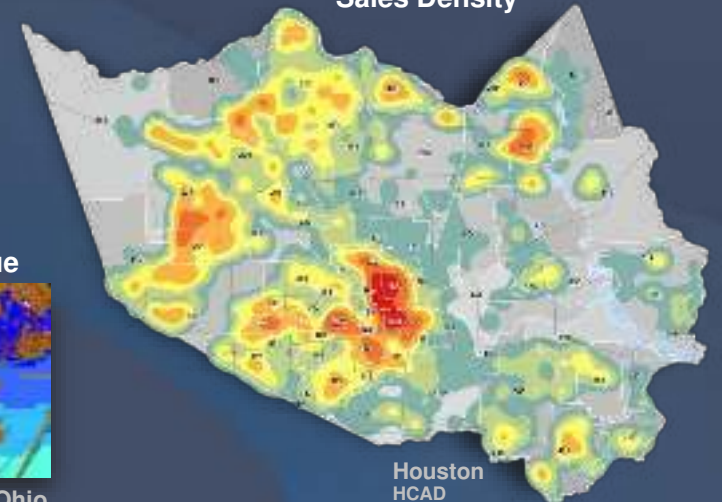
Ohio
DEVNET Incorporated

Change in
Property Value



Ohio
Cleveland State University

Sales Density



Houston
HCAD

Official Statistics and Public Health

Healthy Food Access



Maryland
Johns Hopkins University

Population Modeling



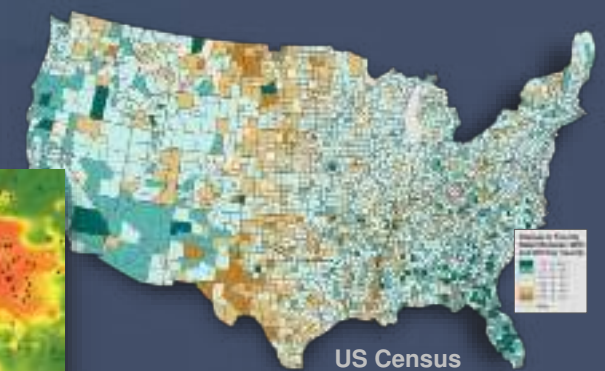
Oakland
Nic Jay Mapping

Population Change



Korea
Incheon Metropolitan City

Change in Poverty



US Census Bureau

Poverty and Schools



Columbus
NCES

Modeling Voter Characteristics



Sacramento
County of Sacramento

Health and Social Services Centers



Finland
Pori

Modeling Community Well Being



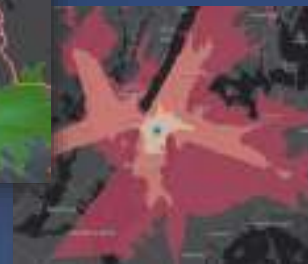
Philadelphia
OIT

Access to Health Facilities



Haiti
UNICEF

Access to Care



New York
MobiGIS

Opioid Addiction



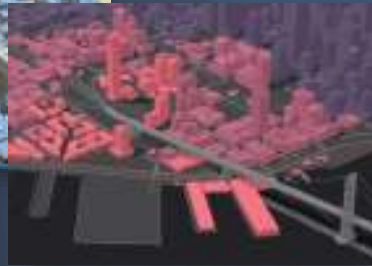
Office of National Drug Control Policy

Urban Design and Planning

Transit Stop Walk Times



UK
EGIS



San Francisco Planning

Green Infrastructure



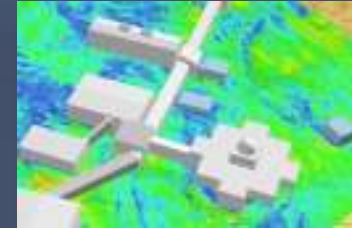
Open Space



Colorado
Design Workshop

Boston
The Trust for Public Land

Air Flow Modeling



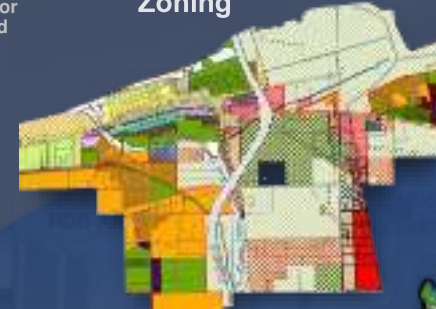
Antarctica

Viewshed



United Kingdom
Durham Cathedral

Zoning



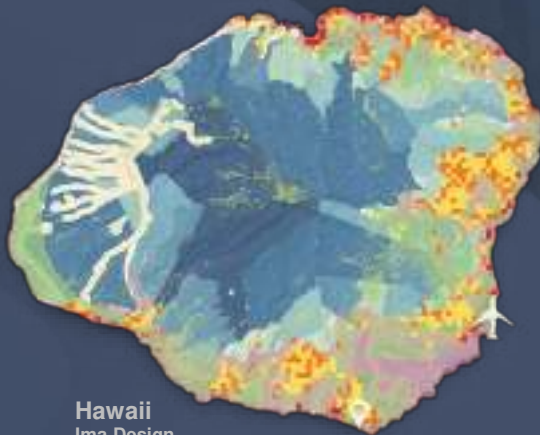
Oregon
Umatilla

Comprehensive Plan



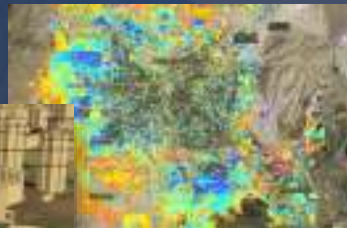
Korea
KICT

Resort Suitability



Hawaii
Ima Design

Change Detection



Nevada
MDA Information Systems

Urban Design



Germany
PSU Schaller Environmental

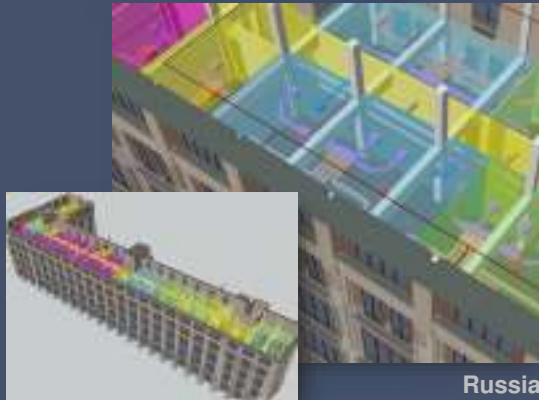
Visualization



Singapore Land Authority

3D Building and City Modeling

Building Asset Management



Russia
IGIT

Planned Housing



Denmark
Brøndby Kommune

New Building



New York
Bingham University

City Visualization



Sweden
Helsingborg Stad

Historical Viewer



Virginia
Blue Raster

Integration of
BIM and GIS



UK
egis

Power Plant



Russia
IGIT

Zoning Height Analysis



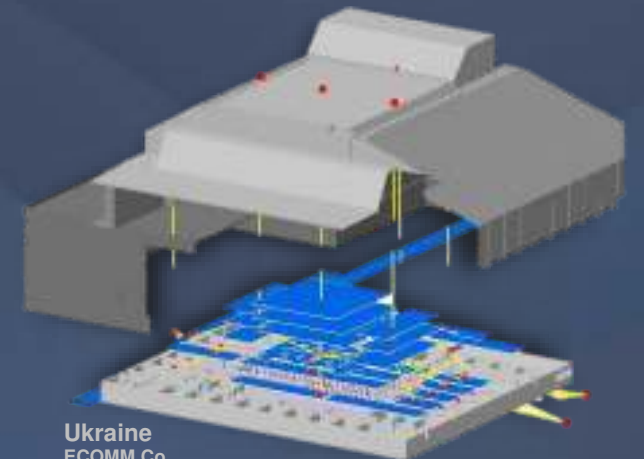
California
San Francisco Planning

Underground
Space Planning



Singapore Land Authority

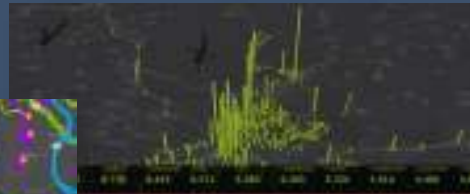
Chernobyl Containment Structure



Ukraine
ECOMM Co

Transportation Planning and Management

Transit Usage



Spain
CTRM

Port Monitoring



The Netherlands
Port of Rotterdam

Parking Capacity



North Dakota
Fargo

Taxi Pick-Ups



New York
University of California

Transit and Population



Northern Kentucky
LINK-GIS / PDS

Pedestrian Safety



California
Mobileye

Railway Management



Switzerland
SBB AG

Commuter Traffic Modeling



Germany
alta4

Bus Tracking



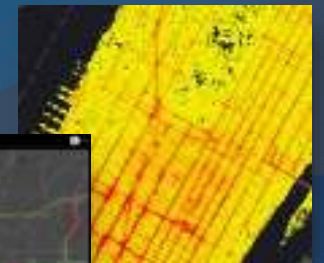
Finland
Pori

Waze Integration



San Francisco
Waze

Human Movement



New York
SafeGraph

Traffic



California
Caltrans

Engineering and Public Works

Water Management



Illinois
GeoNexus

Airport Facility Maintenance



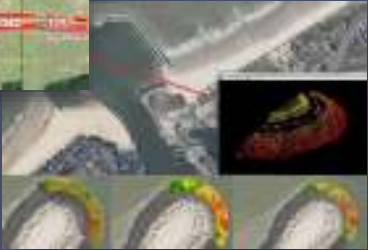
Texas
Houston Airports

Turnpike Engineering



Pennsylvania
Turnpike Commission

Breakwater Monitoring



Belgium
Flemish Government

Work Order Management



Texas
Cityworks

Statistical History



Solid Waste Collection



Virginia
VHB

Zoning Compliance



Austria
Regional Admin of Tyrol

Paving Priorities



Texas
Cityworks

Pipe Inspection Dashboard



Philippines
Manila Water Company, Inc.

Highway Cleanup



Minnesota
North Point Geographic Solutions

Park Management



California
Geographic
Technologies Group

Utilities and Telecommunications

Water/Wastewater Network



Ohio
K.E. McCartney & Associates

Asset Management with SAP



Turkey
Universal Information Technologies

Monitoring Electricity Usage



Thailand
PEA

Electricity Pricing



Central US
Southwest Power Pool

Meter Inspection



Tennessee
True North Geographic Technologies

Trace Isolation Electrical



Florida
Schneider Electric

Network Engineering



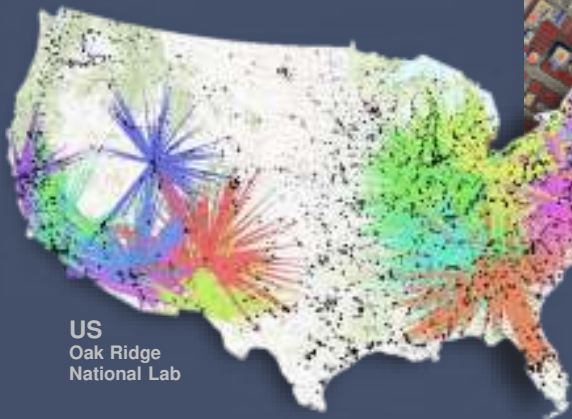
Kuwait
Openware

Solar Potential



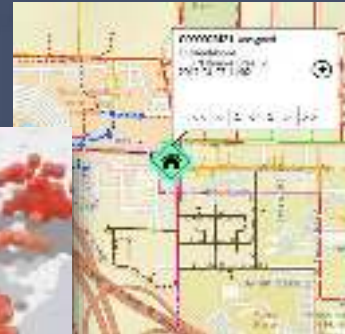
California
County of Los Angeles

Energysched Modeling



US
Oak Ridge
National Lab

Mobile Outage Response



Texas
Denton Municipal
Electric

IoT Concentrations



Virginia
ShareTracker

Cellular Coverage Modeling



United Kingdom
Cellular Expert

Augmented Reality



New Jersey
Toms River MUA

Business Analysis and Location Intelligence

Retail Delivery Optimization



Iceland
Samsyn

Optimizing Postal Routes



Denmark
Rapidis

Field to Store Supply Chain Tracking



United States
Sambrailo' / Driscoll's

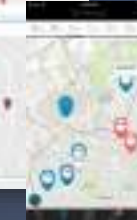
Optimizing Appointments



Retail Sales



Florida
Microsoft—Power BI



Italy
MobyPlanner

Demographic Analysis for Banking



California
RPM Consulting

Intermodal Freight Modeling



Wisconsin
CFIRE

New Business Location Analytics



Brazil
Niterói City

Gas Station Site Selection



India
ML Infomap

Census Business Builder



Washington DC
US Census Bureau

Insurance Analysis of Hurricane Matthew



Florida
BMS Re US

Public Safety and Security

Bicycle Collisions



San Francisco
Nic Jay Mapping

Marathon Tracking



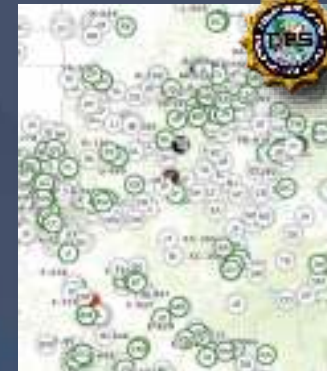
Los Angeles
HSAC

Event
Management



Philadelphia

Real-Time
Officer Tracking



Oklahoma
Department of Public Safety

Crime Prediction
(Machine Learning)



London
Dataiku



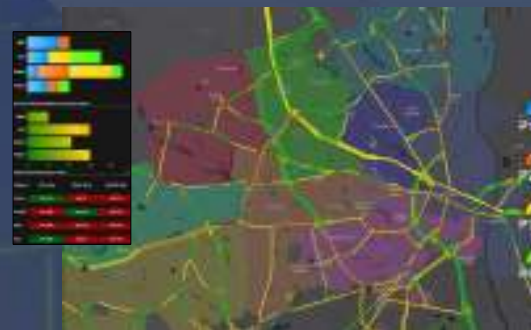
Brazil
Rio de Janeiro

Fire Response Times



California
Santa Paula

911 Dispatch System



North Carolina
BCS, Inc.

Online Crime Mapping



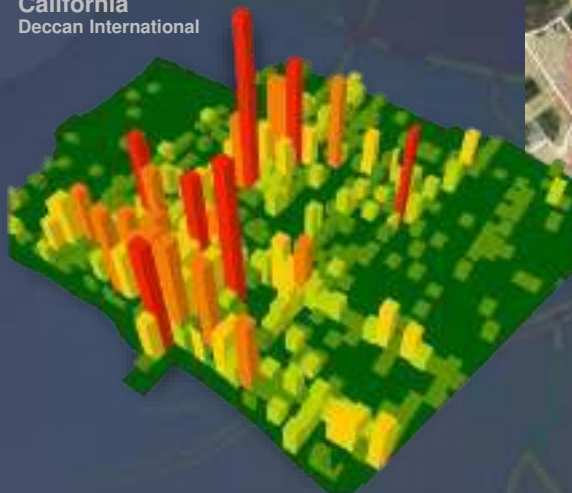
San Diego
crimemapping.com

Crime and
Traffic Accidents



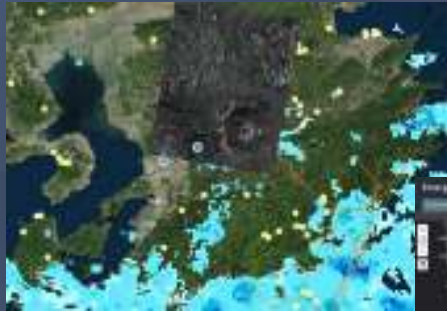
Japan
Aichi Prefecture

Fire Incidents
California
Deccan International



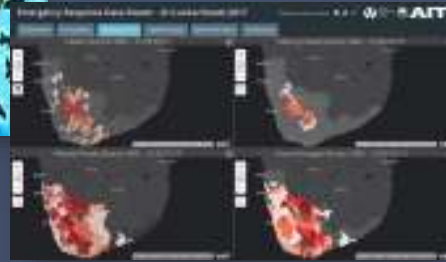
Preparing for and Responding to Disasters

Volcanic Monitoring



Japan
JAXA

Damage Assessment



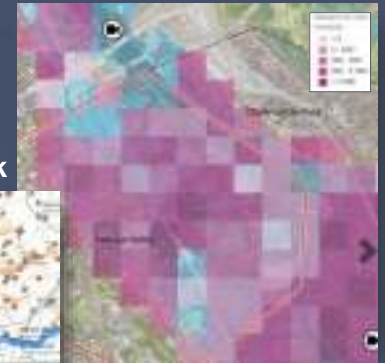
Sri Lanka
Geoinformatics Center

Tsunami Evacuation Routes



Washington
Michael Baker International

Wildfire Risk



France
Caroviz

Liquefaction Risk



Japan
Funibashi City

Hurricane Modeling



Georgia
Glynn County GIS

Interactive Plume Modeling



Europe
Eurocommand

Flood Impacts



British Columbia
Kerr Wood Leidal Associates Ltd.

Disaster Preparedness



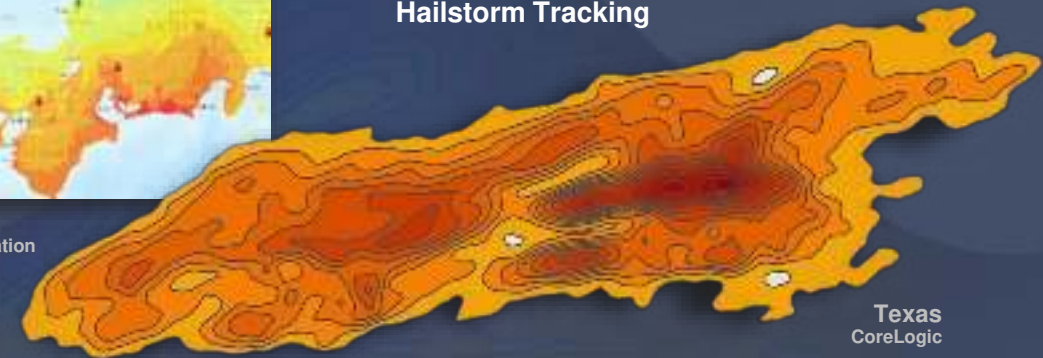
Japan
Kajima Corporation

Emergency Management Center



Germany

Hailstorm Tracking



Texas
CoreLogic

Story Maps

Transit Corridors



Finland

Archaeology



Ecuador

Social Conflict Events



Africa
Tesla Government

Climate Change



Global

Butterfly Zone



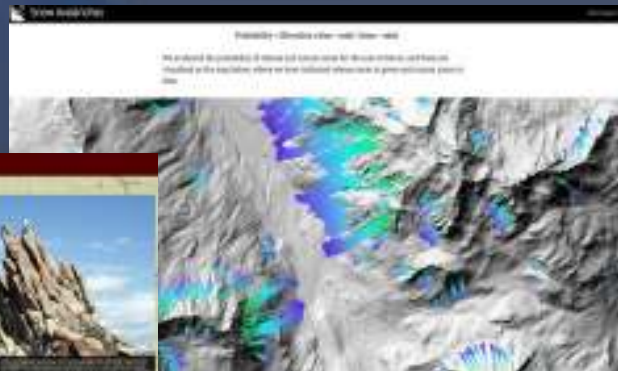
California
Los Angeles World Airports

Postcard Collection



Japan

Snow Avalanches



Switzerland

Memorial Forest Locations



New Zealand
Thames-Coromandel District Council

Geological Sites



Utah Geological Survey

Rail Stations



Italy
Comune di Milano

Inequality



Virginia

Open Portals for Citizen Engagement, Open Data, and Collaboration

Transport Data



Moreton Bay



Logan City Council



VicRoads

Open Data Global Forest Watch



Democratic Republic of Congo



Cameroon

UK Office for National Statistics



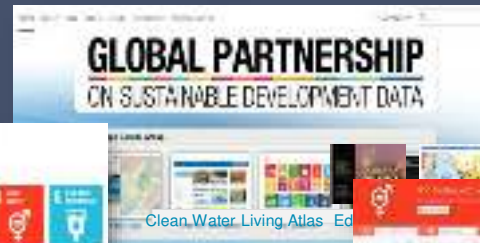
US Department of Housing & Urban Development



NOAA



Global Sustainability



Clean Water Living Atlas



UN

Ordnance Survey Ireland



GIS Provides a Platform

For Managing, Analyzing, and Applying
Geographic Knowledge

Integrating People,
Processes, Things,
and Data About Them

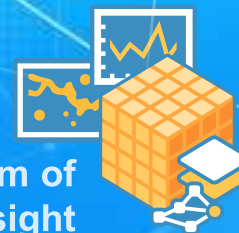
System of
Record



System of
Engagement



System of
Insight



Using the Power of Where
to Integrate Everything



Web GIS Is the Modern GIS Architecture

Helping Everyone Do Their Work Better

Growing
Exponentially



Leveraging Web Services

Sharing Knowledge
Collaboration

Improving Productivity and Efficiency

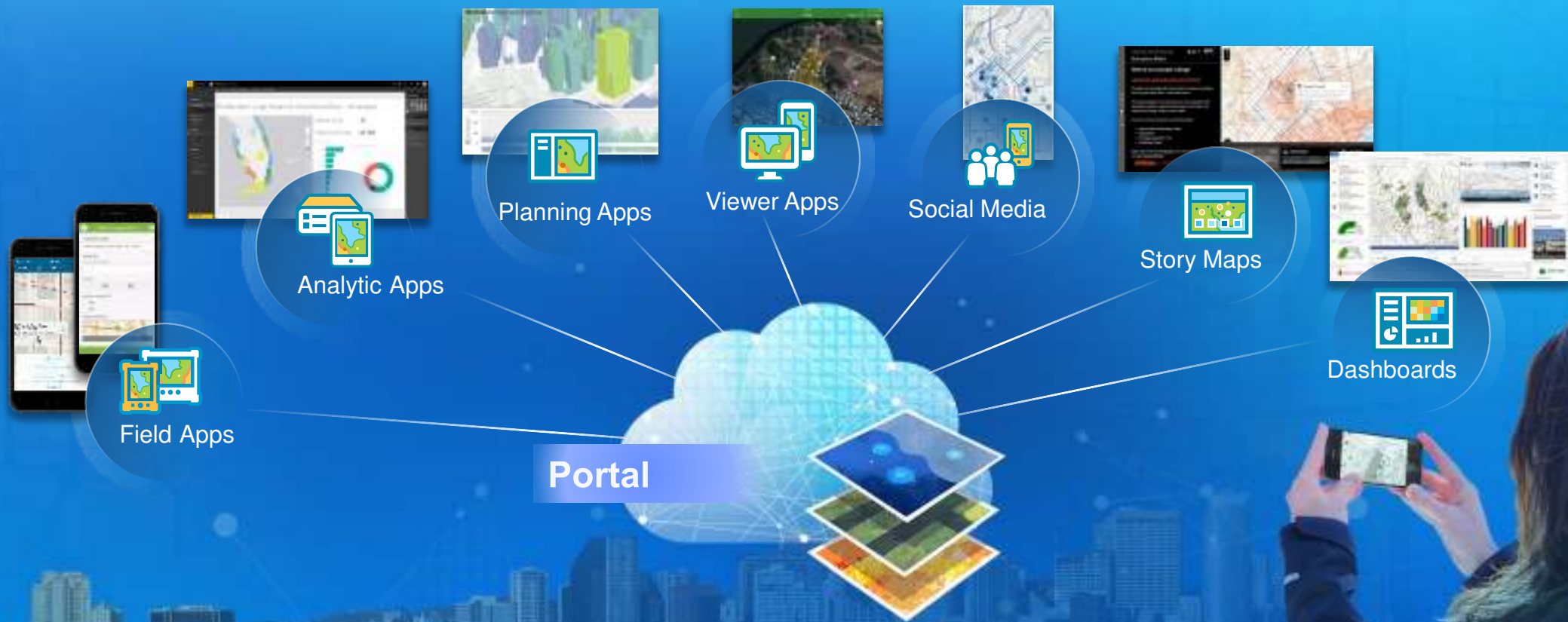
Web GIS Simplifies Working With All Types of Data

Using Web Maps, Scenes, and Layers



Apps Make the System Come Alive

Leveraging Open Data and Services



Across Organizations and Beyond

Integrating Real-Time Information

Leverages Dynamic Data About Everything



Web GIS Is Making Spatial Analysis More Accessible

Advancing Analytics and Geo-Enabling Data Science

Exploratory
Data
Analysis

Opening Access

Data Science



Spatial Analysis
& Geoprocessing

Big Data
Geoanalytics

Smart Mapping and Exploratory Data Analysis

Simplifies the Use of Analytics and Creates Beautiful Maps



Web GIS Is Revolutionizing How We Plan and Design

Integrating Science Into the Design Process

Geodesign

Economic Development



Urban Design



Transportation



City Planning



Green Infrastructure



Disseminating

Visualizing

Evaluating

Designing

Analyzing

Rapidly Creating and Evaluating Scenarios

Web GIS Is Connecting Everyone

Using Web Maps and Apps to Share and Collaborate

Supporting Communication
and Real-Time Awareness

People

Organizations

Communities

Creating a System of Engagement

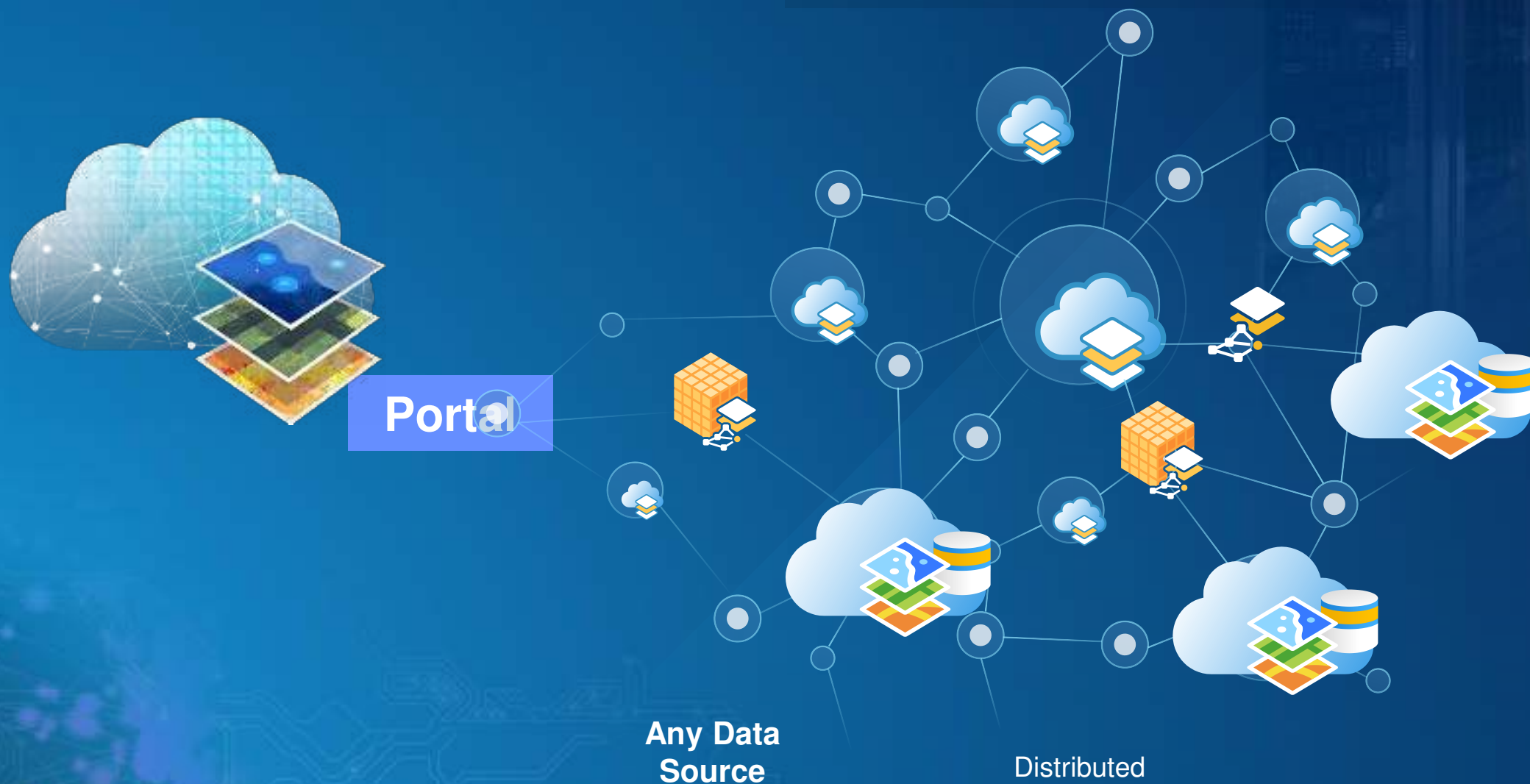


GIS Is Implemented in Multiple Patterns



Web Services Are Interconnecting Everything

Web GIS Organizes Distributed Content Using a Portal



[HOME](#)[ABOUT](#)[MAKE YOUR MAP](#)[GALLERY](#)[CATALOGUE](#)[HELP](#)

AUTHORITATIVE SPATIAL DATA AT YOUR FINGERTIPS

Introducing GeoHive

[VIEW GALLERY](#)[LEARN MORE](#)



BUYING PROPERTY

Web Mapping Application



CRIME RATES 2014 PER POPULATION

Web Mapping Application



CRIME RATES 2015 PER POPULATION

Web Mapping Application



DEVELOPMENT PLAN PROCESS

Web Mapping Application



DOG CONTROL

Web Mapping Application



EMERGENCY MANAGEMENT

Web Mapping Application



ENVISION, EPA

Web Mapping Application



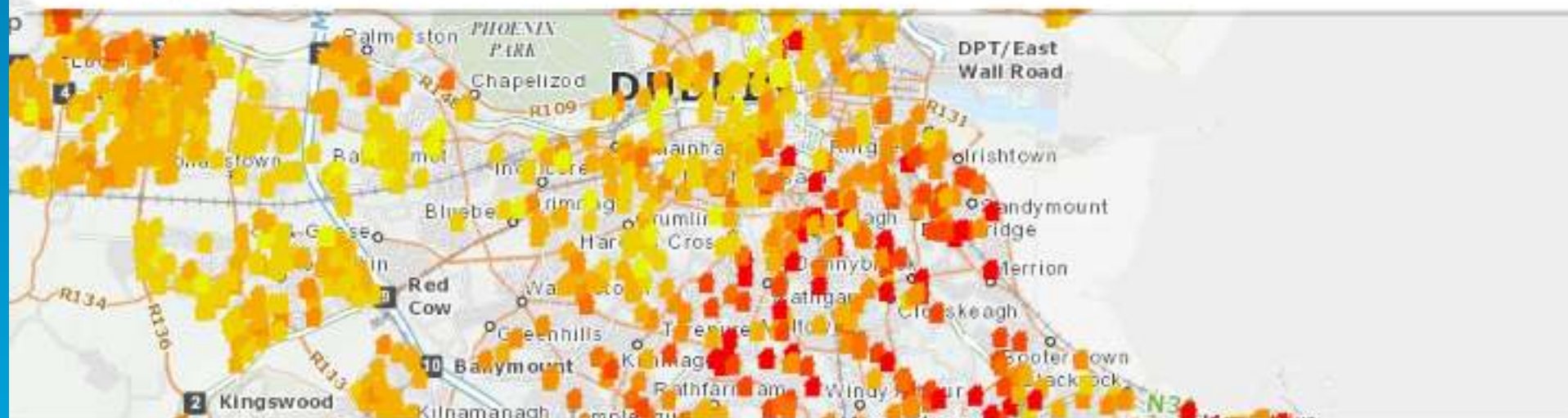
HIGH SPEED BROADBAND 2016, DCENR

Web Mapping Application



Buying Property in Ireland

A GeoHive Map  **GeoHive**

[About](#)[Property Sales 2015](#)[Public Transport](#)[Services](#)[Housing Age](#)[Planning/Zoning](#)[Environment](#)[GeoHive](#)

Infobox

This map shows property sale prices from the Property Price Register 2015.

The layers are divided into Secondhand and New Homes, use the **Toolbar** at the **bottom of the page** to view the legend.

The Price Summary Widget is based on the current view of the map, and will **update** as you zoom and pan around the map.

Click on a point to get more information.

To view this information in the main GeoHive application please [click here](#)

Sum of Prices	Minimum Price	Average Price	Maximum
1.859.208.507	6.000	377.198	10.000.000

Secondhand Homes Price Summary Widget



Buying Property in Ireland

A GeoHive Map



About

Property Sales 2015

Public Transport

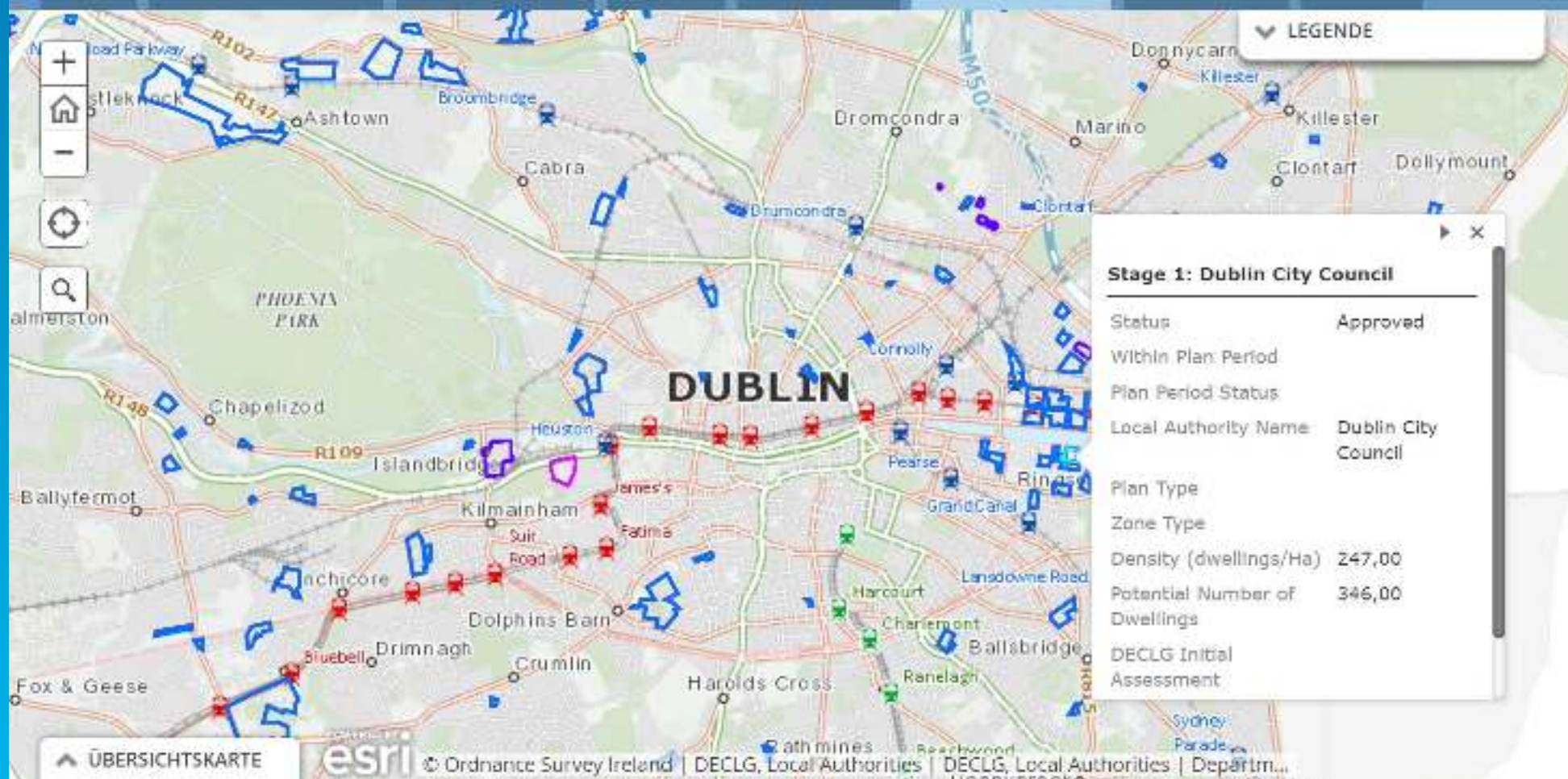
Services

Housing Age

Planning/Zoning

Environment

GeoHive



Infobox

This map shows the Planning & Zoning information provided by the Dept of Environment, including:

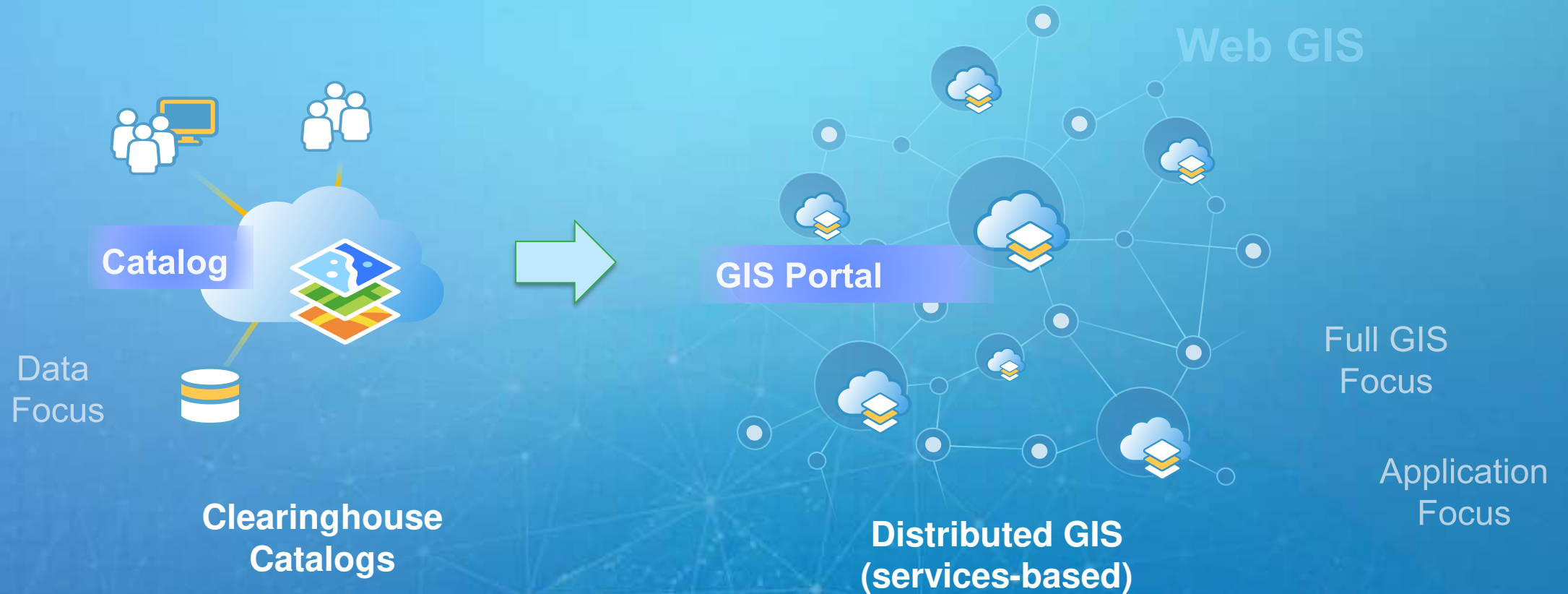
- LPT Waiver Areas
- Residential Land Availability
- Residential Zoning
- Unfinished Housing Estates

You can click on the areas to view a popup with further information.

To view more information like this, go to the main GeoHive application [here](#)

GIS Portals Are Evolving How We Think of SDI

Enabling Dynamic Integration of Distributed Services



Transforming the Role of GIS

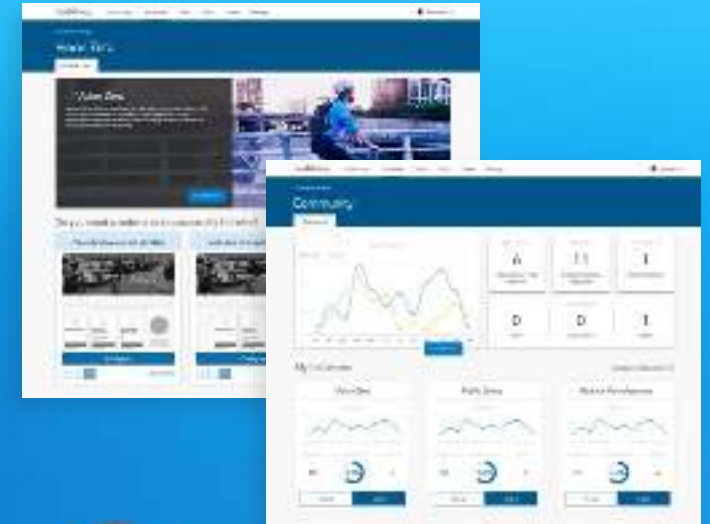
Web GIS Enables Community Engagement

Organizing and Managing Community Interactions

Providing Citizens Information . . .
. . . And Leaders Input



Policy Initiative Based





Government

Electric/Gas

Landscape
Planning

Telecommunications

Tourism

Agriculture

Public Works

FUNCTIONING COMMUNITY



Retail

Museum

Hospital

Government

Public Works

Economic
Development

Telecommunications

Security

Port Security

Banking

Facility
Management

City of Los Angeles



40+

departments running on an array of disconnected technology platforms



500+

datasets—and growing—into a centralized business intelligence system



202

Los Angeles-based startups generating more than \$3 billion in yearly capital



3.8M

People and counting in the Greater Los Angeles area

Transparency



Vision Zero



Open Data



Urban Planning



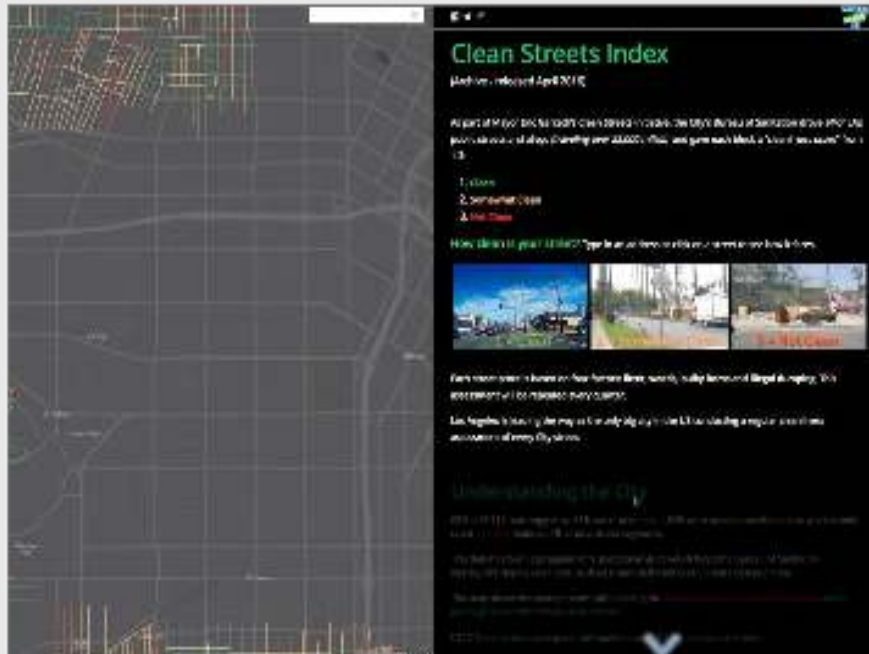
Demographic Reporting



Easily Configured and Used

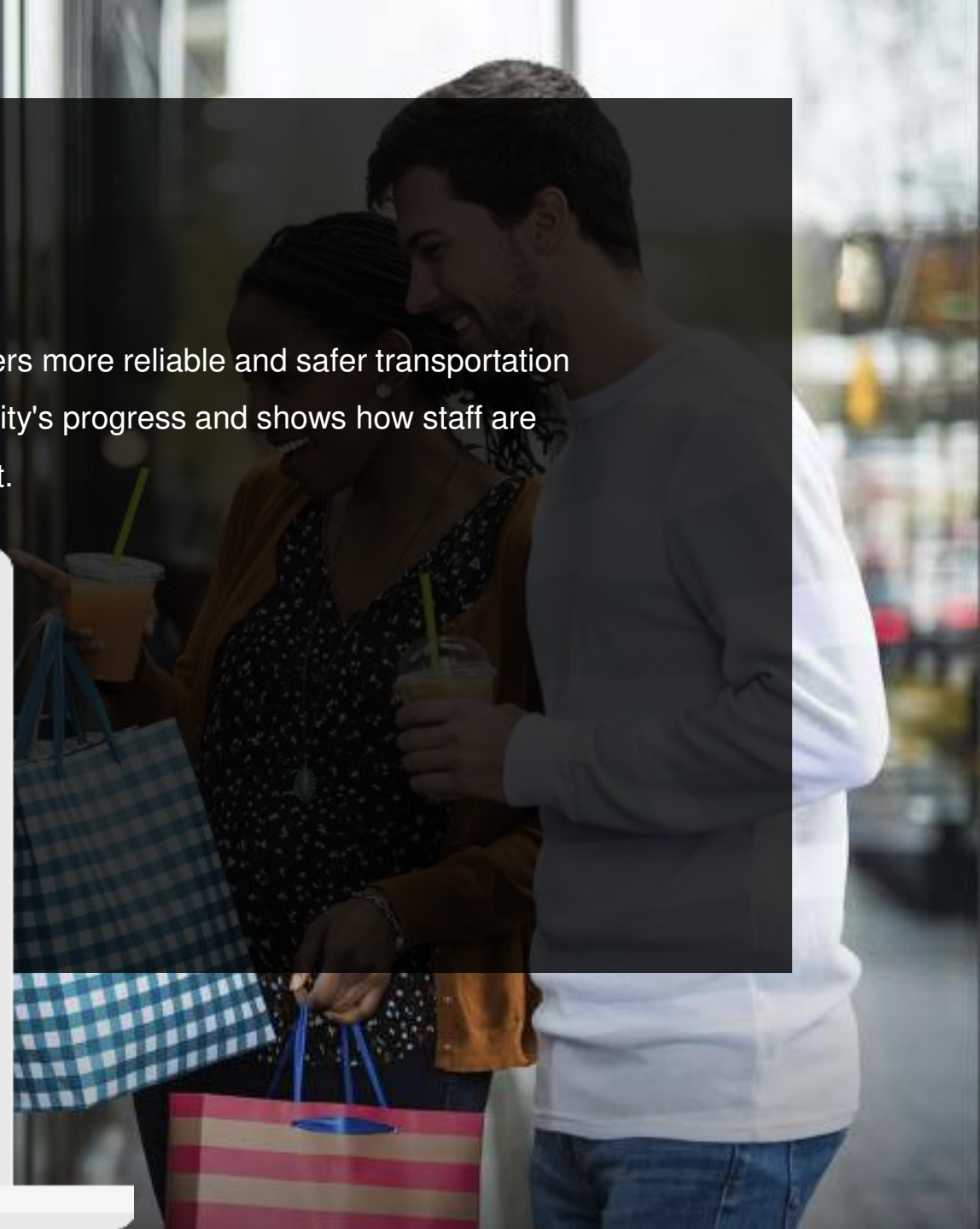
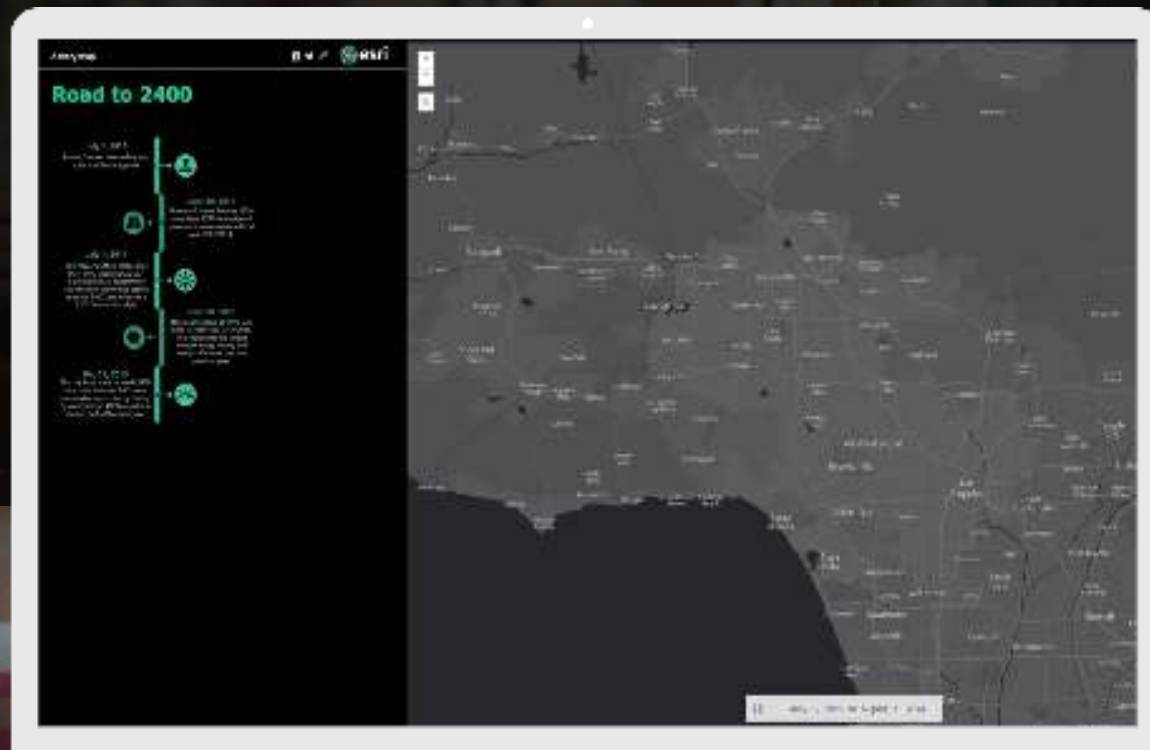
Clean Streets

22,000 miles of public streets and alleys assigned a cleanliness score. Residents can explore the cleanliness of streets near them while city staff use this data to prioritize clean-up efforts, prevent illegal dumping, and deploy 5,000 trash bins in the right locations.



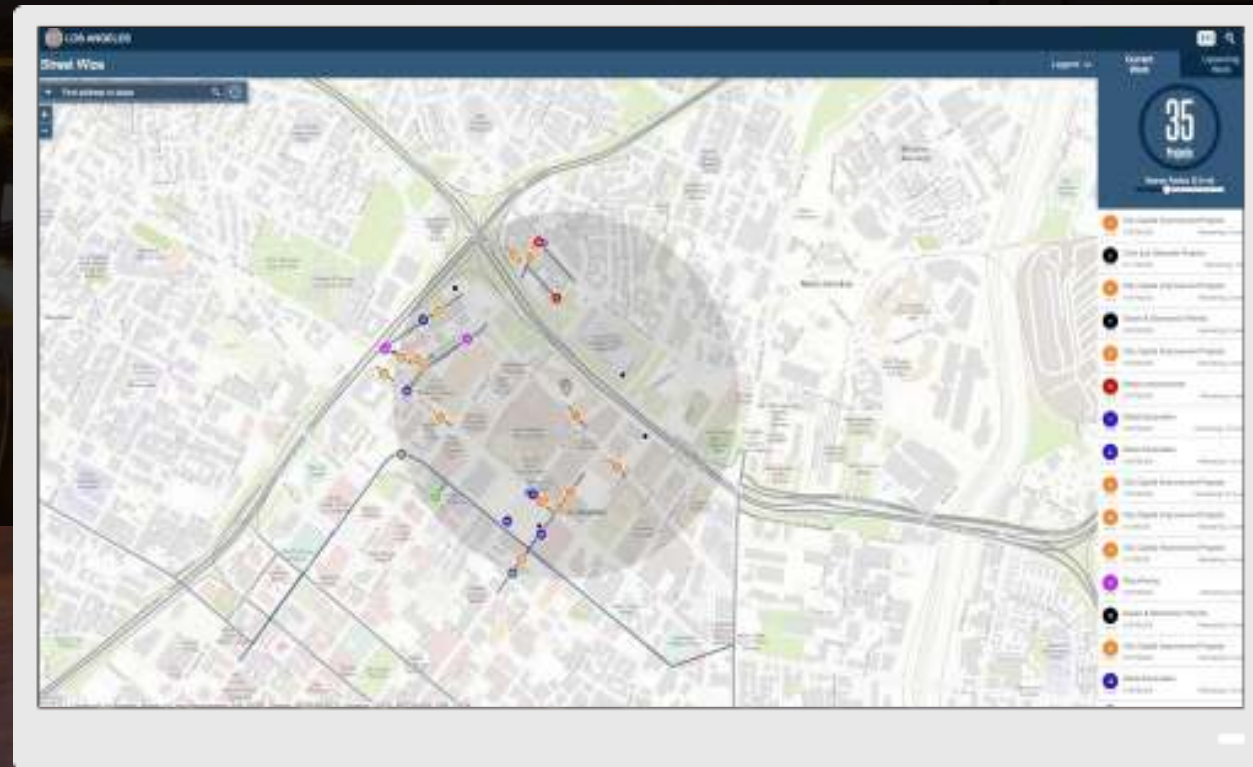
Livable Streets

The city's annual campaign to repave 2,400 miles of roads delivers more reliable and safer transportation options for all citizens. The app helps citizens keep tabs on the city's progress and shows how staff are meeting their current goal—ahead of schedule and under budget.



Coordinated Construction

Enhance livability by easing traffic, the city pooled its open data via GeoHub to create Street Wize, an interactive web-based application that maps street construction and permit activities.



Los Angeles Vision Zero

Vision Zero is a global initiative whose goal is to reduce severe injuries and deaths in roadway collisions. Through the LA GeoHub you can explore, visualize, and download Vision Zero's location-based Open Data, as well as use and develop web and mobile applications that support this initiative.

Vision Zero Los Angeles

Our Plan for Action

*GIS Now Provides
the Means . .*



*. . For Creating
Federated Systems*





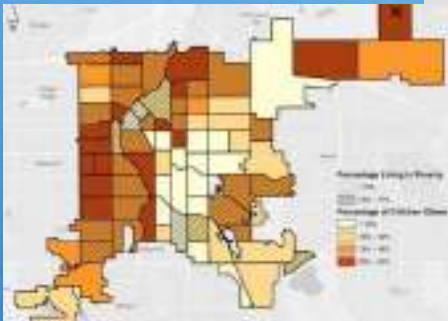


Health Insurance and Poverty



Census Bureau

Childhood Obesity and Poverty



Denver, CO

Vulnerable Populations



Santa Clara



Crop Rotation



USA

Healthy Food Access



California

Food Supply



UN-Yemen

Malnutrition



World

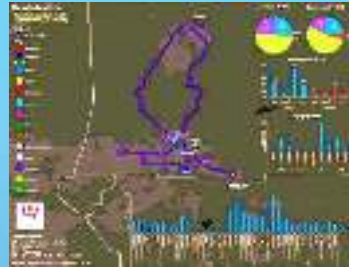
Precision Agriculture



New Zealand



Track Hospital Readmissions



California

Medical Lab Siting



Health Care Accessibility



Sweden

Ebola



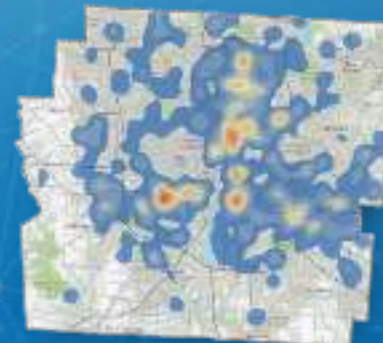
West Africa

Response



Liberia

Infant Mortality



Columbus, OH

Access to Health Facilities



Queensland, Australia

Zika Risk



Americas

Modeling Community Well Being



Philadelphia
OIT



Disparity of
School Access



Washington, DC

School
Performance



Child Maltreatment
Prediction



Texas

Tanzania
Traffic
Accidents and
Schools



Japan



Gender Ratio



London

Gender Equality



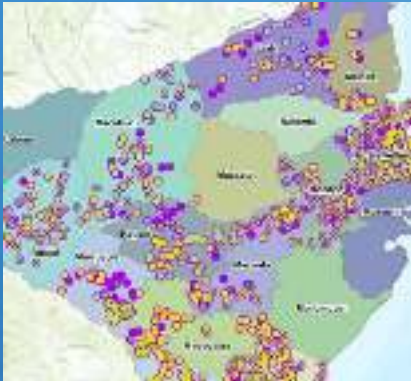
Global



6 CLEAN WATER AND SANITATION



Water and Sanitation Projects



Mozambique

Sanitation Cleanout Locations



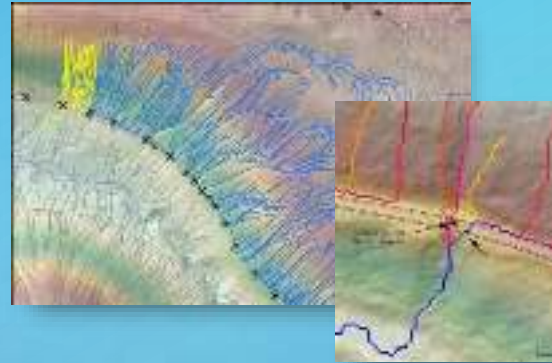
California

Water Monitoring



Los Angeles

Drainage Network Modeling



Washington

Sewer Inspection



Switzerland

Work Order Management



New Jersey

Water Quality Monitoring



China

Pipeline Alignment



Montana

GIS Capabilities Are Advancing

Many Innovations

Field Mobility Apps 3D
Real-Time Visualization Content Open
Mapping Data Exploration
Data Management
Imagery Big Data Spatial Analysis
Community Engagement



Content | A Fundamental Part of the Platform

Thousands of Ready-to-Use Maps
and Datasets from Esri

Basemaps **Soils**
Agriculture Topo Maps Addressing
Ecology Sentinel Earthquakes **Traffic** Rainfall
Geology **Vegetation** Roads
Imagery **Land Cover** **Scientific**
Stream Gauges **Landsat** Species NAIP Planes
Water MODIS Biology **Elevation** Lifestyle
POIs
Demographics Protected Areas
Distribution
Hazards Climate DigitalGlobe **Floodplains**
Weather Historical Maps Landscape Oceans Stream Forecasts
Population **Boundaries** OSM
Sea Temperature Wildfires Railroads

Millions of Maps and Layers
Shared by Users

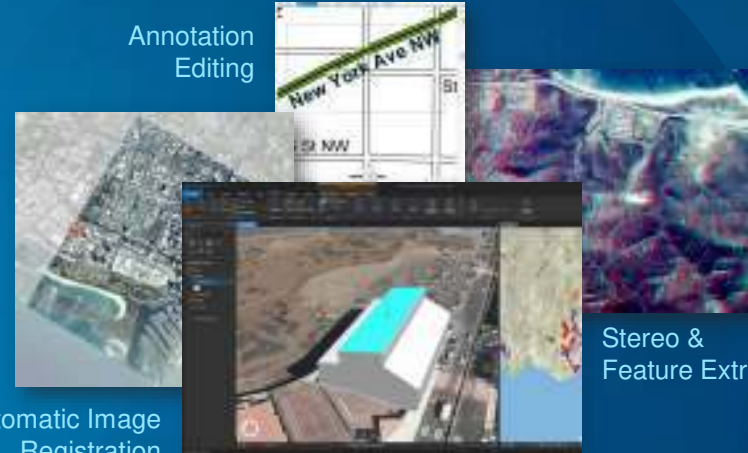
*The Foremost Collection of Global Geographic Information . . .
. . . A Living Atlas for the Planet*

Data Management and Compilation | Advancing Data Models, Workflows, and Tools

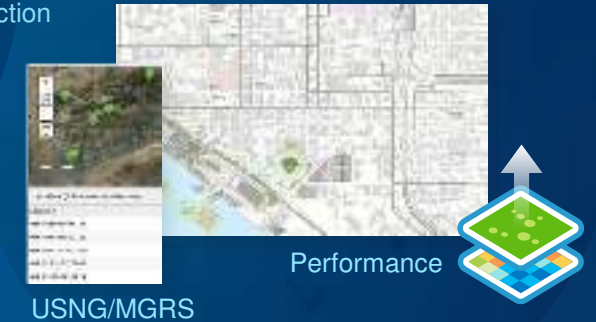
New Utility Network



Improved Editing



Improved Geocoding & Location Finding



CAD Integration



Automatic Image Registration

3D Editing

Smart Conflation

Performance

USNG/MGRS

Field GIS | Taking ArcGIS Beyond the Office



Mapping and Cartography | Advancing Tools and Methods

Smart Mapping



Very Fast Display

Pro Improvements



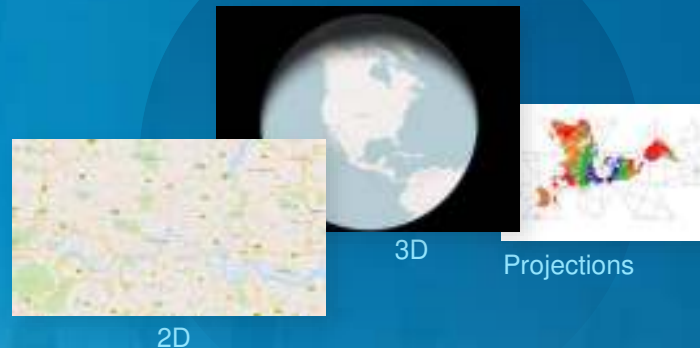
SVG Import

Dynamic Charts in Layouts

Measured Grids

Multiscale Drawing

Vector Tiles



2D

3D

Projections

Production Charting and Mapping



Aeronautical

Nautical

Topographic

Adobe Creative Cloud



GIS | A Common 3D Platform for Visualization and Analysis

Integrating All Types of 3D Data

Extending the
Language of GIS



Photogrammetry



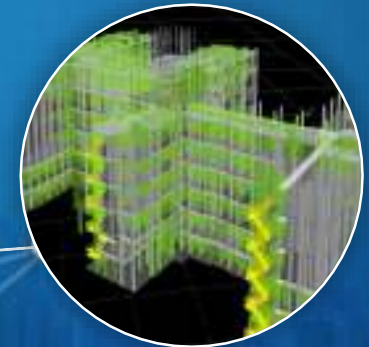
GIS Data



Oblique Imagery



Lidar



CAD/BIM



3D GIS

3D | Improving Capabilities Across the Platform

Visualization



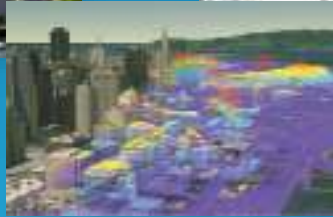
3D Symbols



Landscape



Urban



Urban Planning and Geodesign



Indoor GIS



Shadows



Urban Design

Innovation

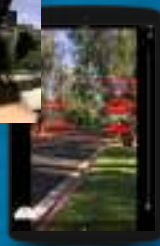


Virtual Reality



Animations

Augmented Reality



New Data Types



Lidar



Massive Point Clouds

WMTS



3D Objects



3D Mesh



I3S

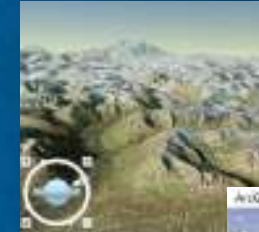
Apps

Earth



KML & Sketching

Pro



Pro Navigation



Scene Viewer

GIS | A Complete Imagery Platform

Supporting Advanced Processing,
Analysis, and Management

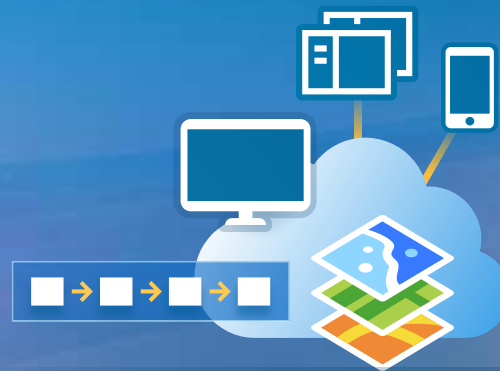
Desktop
and Web



Full-Motion Video

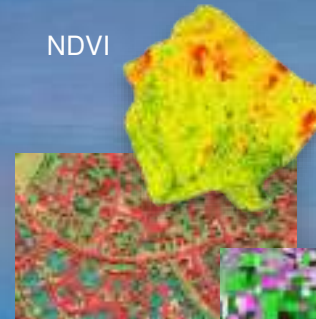


Mensuration



Dynamic Image
Processing

NDVI



Classification



Image Space



Pro Imagery Tab



Change Analysis



Powerful Analytics



Drone2Map

Landsat

High-Resolution Satellites

Drones

Small Sats

Weather

Aerial Photos

Radar

All Major Sensors

Spatial Analysis | Expanding and Improving Tools

Web-Based Analysis

Join Features



Hot Spot Outliers



Aggregation



Science Integration

Charting



ArcGIS API
for Python

Machine
Learning Tools

Improved R
Integration

Spatial Statistics



Vector
Analysis In
Space-Time
Cubes



Space-Time Pattern Mining



Space-Time Point
Aggregation



Enhanced Cube Explorer



Geostatistical Wizard

Improved Processing



Parallel Processing



Models as a Service

Other Enhancements

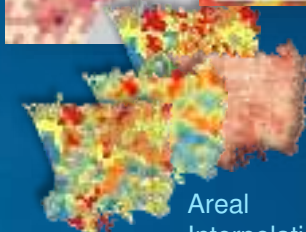
Dynamic
Aggregation



Model Builder



Areal
Interpolation



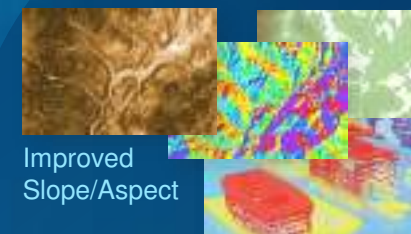
Optimum Site
Selection



Optimized VRP
Clustering



Raster and Lidar



Improved
Slope/Aspect

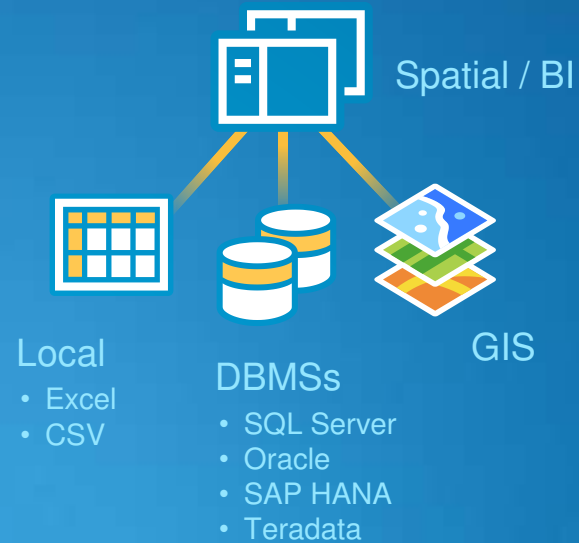
LAS Classification

New Raster
Functions



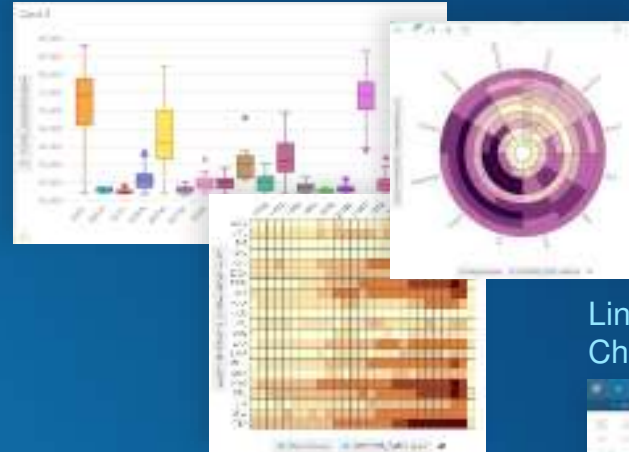
Insights | A New Experience for Spatial Analytics

- Visual, Intuitive, Responsive
- Exploratory Data Analysis and Visualization



Coming Soon In ArcGIS Online

New Charts



Integrated Spatial and Tabular Analysis



Linked and Responsive Charts and Maps

On-the-Fly Visual Models



For Analysts and Data Scientists

Big Data Spatial Analytics | Faster and Massively Scalable

GeoAnalytics Server
Large Observation Collections

Features / Vectors

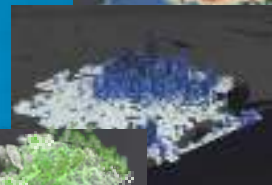
Space-Time Analytics
Hot Spots
Density
Buffer
Summarize
Aggregation
Construct Tracks
Find Similar
Spatial Join



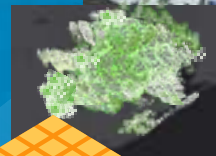
Space-Time Cube



Hot Spots



Density



Power Outages
(50+ Million)



Faster (10x+)



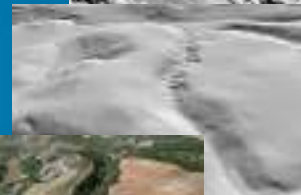
Leveraging Distributed Computing and Parallel Processing



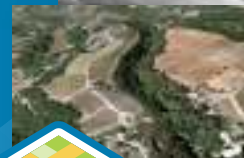
Riparian Areas



Lidar:
First Return



Lidar:
Bare Earth



Imagery

Image Server
Large Imagery Collection

Imagery / Raster

Image Processing
Classification
Change Detection
Topo
Suitability
Density
Corridors
Distance
Proximities
Interpolation

... Accessible from ArcGIS Pro and Python API

Real-Time Analytics | Integrating Sensor Networks and the IoT

- High-Velocity Data Streams
- Monitoring and Alerting

Improvements

- Scalability
- Availability
- Cloud IoT Connectors



Supporting Real-Time GIS Applications . . .

ArcGIS | A Platform for Developers

Major Advancements

- JavaScript
- Runtime
- Python Web Scripting
- Pro Customizations

Runtime
SDKs

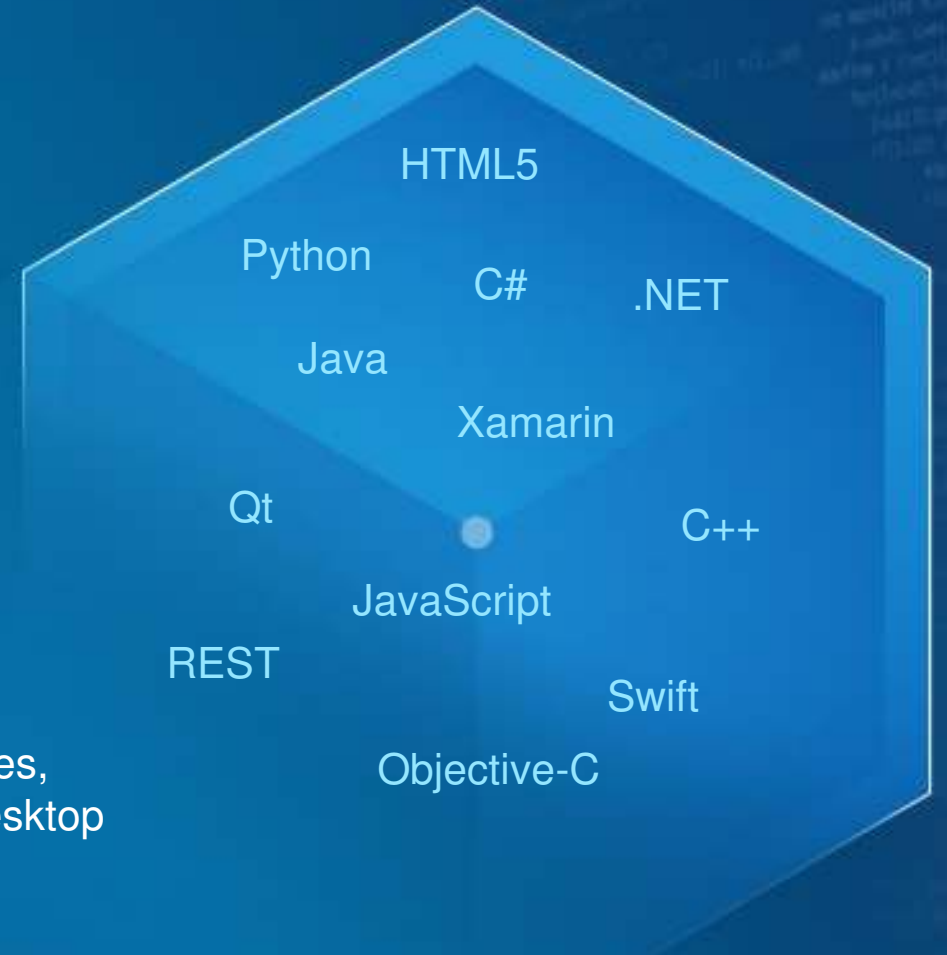
Python
API

JavaScript
API

Open Development
and Scripting Tools

For Devices,
Web, and Desktop

New Developer Program

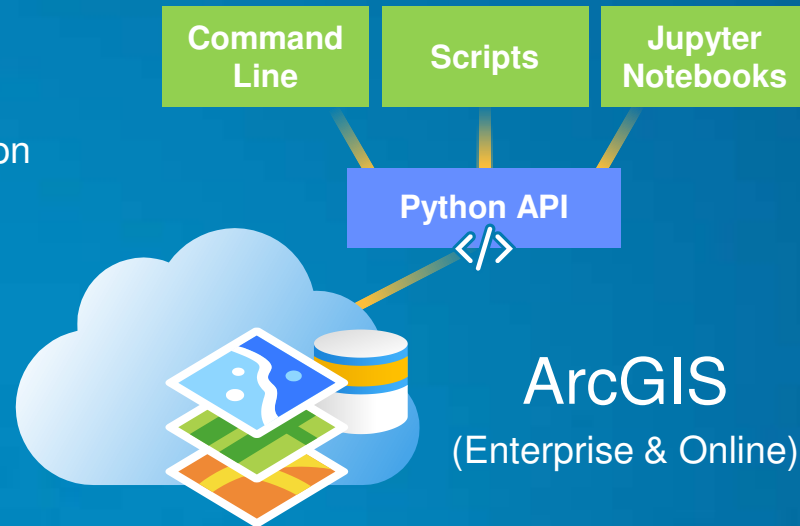


*Supporting Enterprise Developers . . .
and the Creative “Maker” Community*

ArcGIS API for Python | Enables Scripting and Automation

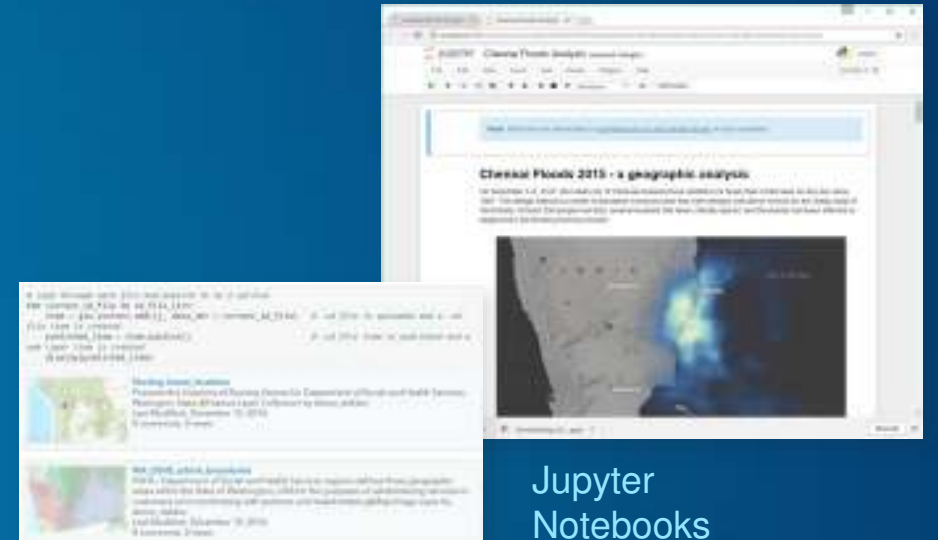
A Whole New Way to Experience and Leverage ArcGIS

- Automation
- Analysis
- System Administration



Programmatic Access to ArcGIS

Command Line

[illegible]

Scripts

*Empowering GIS Users
... And Opening ArcGIS to Data Scientists*

ArcGIS | An Open, Interoperable, and Standards-Compliant Platform



Any System

Open Standards and Formats

WMS GML WCS KML WFS
IFC SQL **WWW**
OPeNDAP SLD SOAP Web Scene (I3S)
LERC JSON LAS WMTS
REST WaterML INSPIRE CSW WPS
NetCDF Shapefiles
ISO GeoPackage
OneGeology
CityGML

Many OGC
Certifications



Product Integration

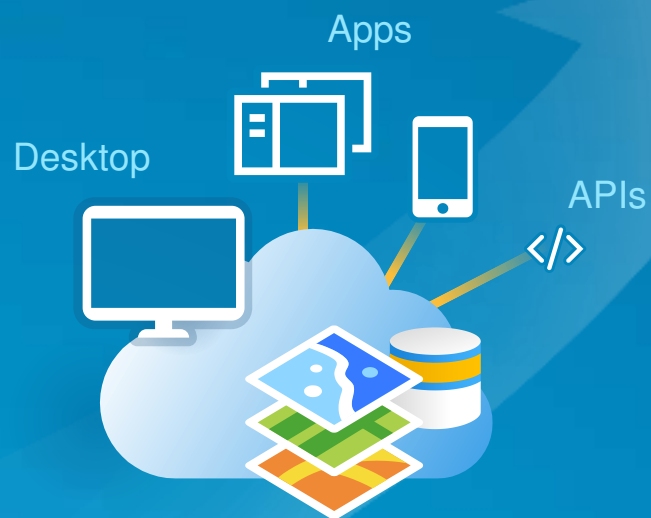
SQL Server
Adobe Creative Cloud SharePoint
MS Office Azure AutoCAD
AWS Netezza Teradata
IBM Cognos SAP HANA
Oracle

Open Software

Open Data Access
Open APIs & SDKs
Extensible Architecture
Embeddable Components
Open-Source Contributions (500+)
Open-Source Integration

... Successfully Integrated into Thousands of Systems

ArcGIS Online | ArcGIS Delivered as SaaS



Growing
Rapidly

Web Mapping, Analysis, Content, and Apps

4.4 MILLION
Users

+30%

3 BILLION
Tiles Served / Day

+95%

11 MILLION
Items

+77%

40+ MILLION
Open Data Downloads

+200%

New and Improved

- Smart Mapping (2D / 3D)
- Vector Tiles
- Analytics
- Enhanced User Experience
- Automatic Tile Generation
- Standards/OGC (WMS, WMTS, WFS, KML)
- Administration
- New Viewer Role

Coming

- Improved Search and Metadata
- Collaboration
- Charting
- Clustering

*A Global Community . . .
. . . Finding, Exploring, Mapping, and Sharing*

Esri Serving Our Users

Advancing GIS and
The Science of Where

Strong and Growing
Engineering and Science Focus

Spatial Literacy

Promoting

Supporting Employees

Working to Make a Difference

Professional Development

Lifelong Learning

E-Learning

Supporting Universities

Personal Use License Training

Certification Program Student License

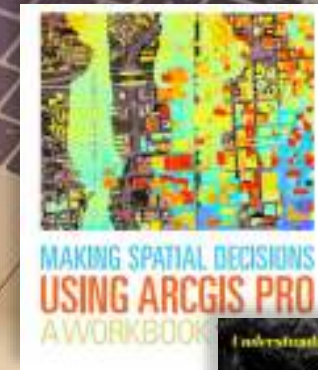
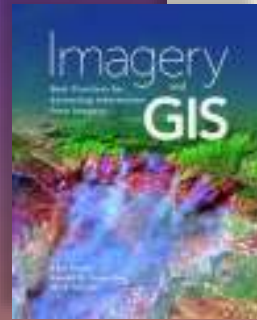
DevSummit GeoNet Community

Esri Press *ArcUser*

User Conference *ArcNews*

Young Professionals Network

MOOCs



Education

Building the Next Generation

School Program

Advancing Geoliteracy

Higher Ed Program

Books

Curriculum

Project-Based Learning

STEM

GIS Day

November 15

GeoMentors

Humans Are More Capable Than Ever

. . . of Sharing and Applying
Geographic Knowledge
. . . of Understanding
and Acting



Technology Is Not Enough. . .

- Tech-Savvy Leadership
- Understanding What's Needed
- Data-Driven Culture
- Collaboration Across Departments
- Real-Time Awareness
- Citizen and Private Sector Engagement

...Good People / Good Attitude / Good Relationships

It's up to YOU

A Global Community of Geospatial Professionals

Interests

Disciplines

Organizations

Cultures

Backgrounds



The background of the image is a composite. On the left, there is a blue-tinted image of a city map or architectural plan, possibly of Florence, with various streets and buildings. On the right, there is a sepia-toned portrait of Leonardo da Vinci, showing his characteristic long beard and hair. The text is overlaid on the blue-tinted map area.

Knowing is not enough . . .

. . . we must apply.

Being willing is not enough . . .

. . . we must do.

— *Leonardo da Vinci*

THE
SCIENCE
OF
WHERE

