

# GIS: Enabling a Smarter World

Esri Canada  
User Conferences

2017





WELCOME

# PURPOSE

Understanding

Sharing

Learning

Transforming

Connecting

Creating Relationships

Fun

Inspiring



# YOU

A Global Community of GIS Professionals

Interests

Disciplines

Organizations



Cultures

Backgrounds



# Here to Support You

## Ontario Region



Technical Support



Technical Strategy



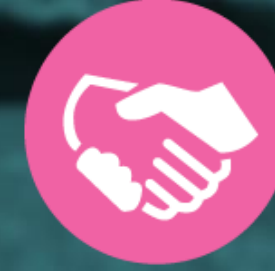
Marketing



Professional Services



Industry Management



Business Partners



Customer Care

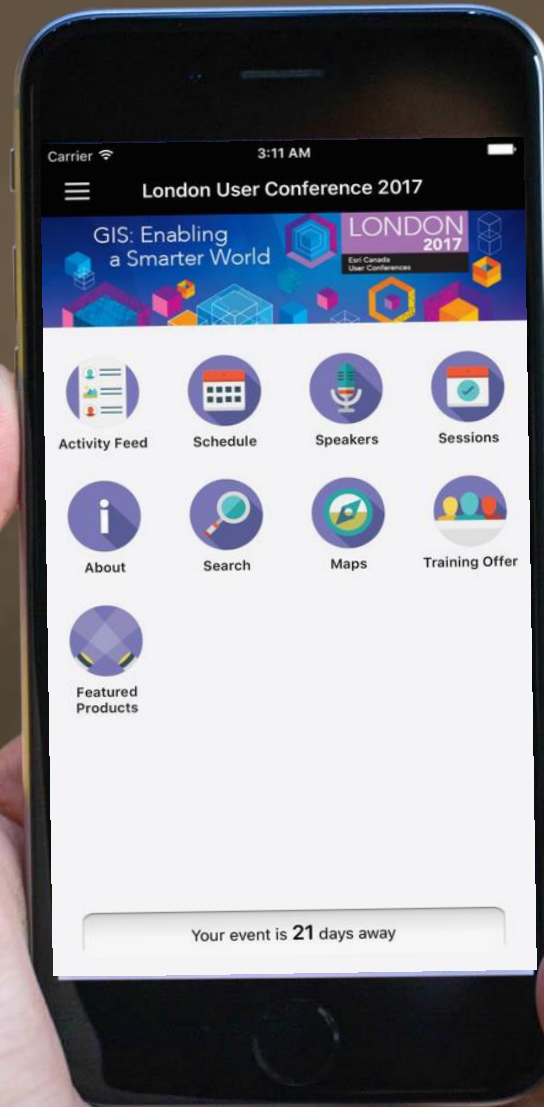


Training



Executive Office

# Esri Canada Events App





# YOUR WORK

Addressing All the World's Challenges

Environment

Science & Technology

Infrastructure

Economic Development

Natural  
Resources

Pollution

Transparent Government

Natural Disasters

Business

Agriculture

National  
Security

Human Health

Water Resources

Climate  
Change

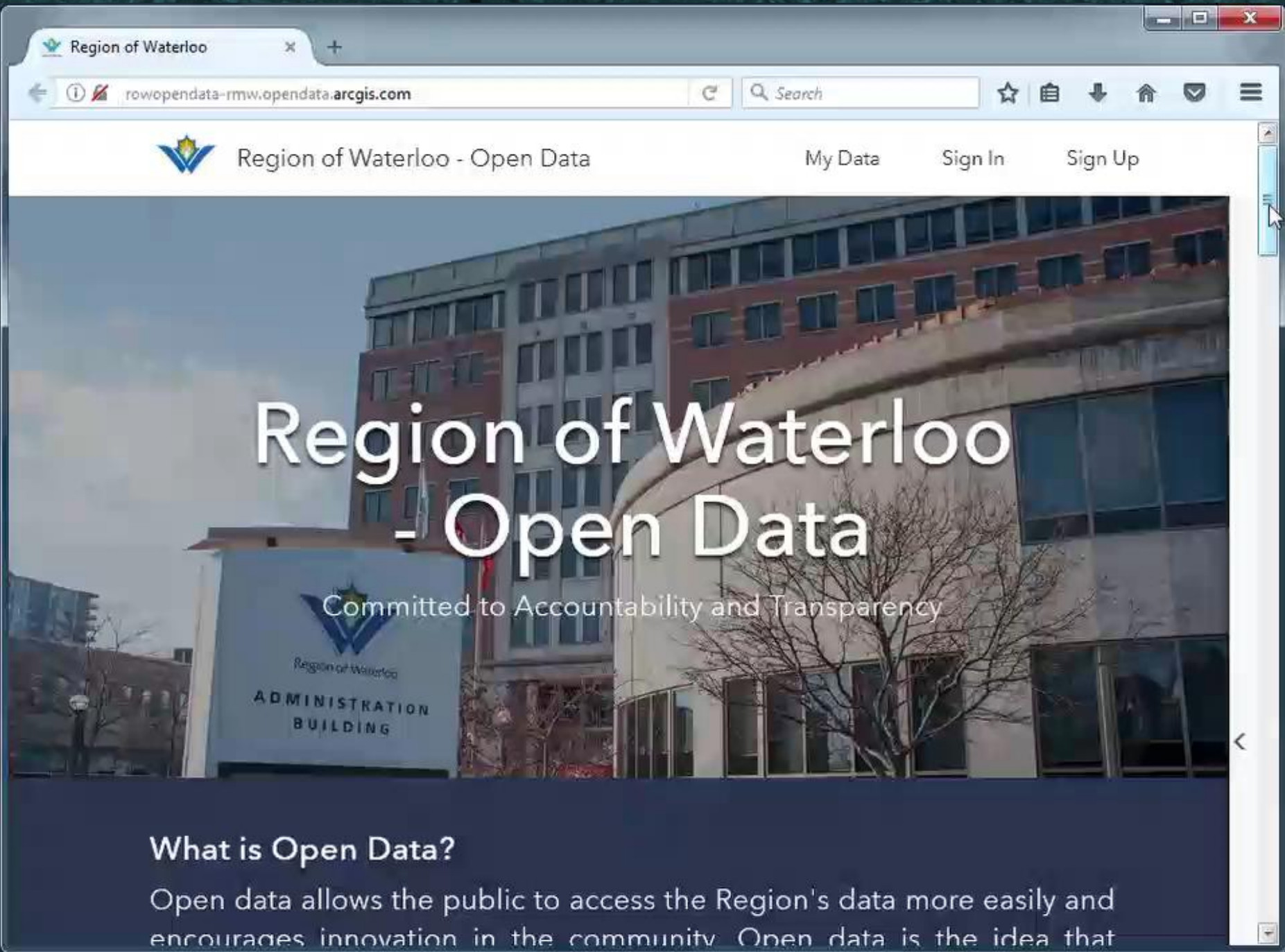
Urbanization &  
Development

Nature  
Conservation

Social Conflicts

Energy

*Making A Difference*



## Open Data

Region of Waterloo  
City of Waterloo  
City of Kingston  
City of Cambridge



# AODA Template

MOECC  
OMAFRA  
OMNRF  
Esri Canada

Accessible Viewer

www.moegisportal.ca/agol/AccessibleViewer/index.html?appid=9b244316fabd463ca652b67614effecc

Ontario Benthic Monitoring Map - Ontario's Pollinator Health... Language: EN

Search:

Details

Options for Monitoring

Quatic Cultural and July Health Action

Record Data

box. will display.)

Use ESCAPE to go to the parent of the focus element

Press ALT + 1 to 7 keys for fast navigation

Create a New Web App

Configurable Apps Web AppBuilder

Select a configurable app.

Story Map Tour Summary Viewer Time Aware

Time Aware (Retired) Twitter (Retired) wcag\_template

1 4 5 6

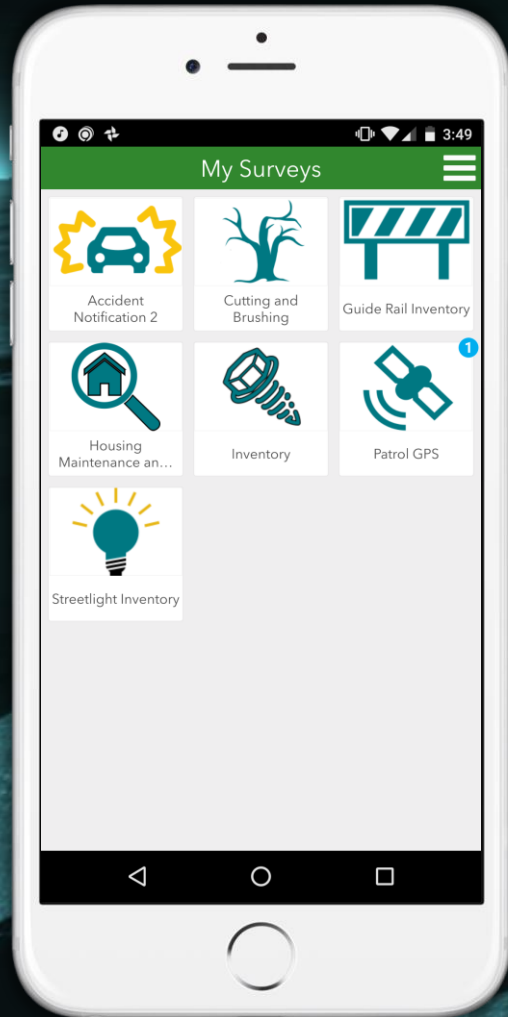
CREATE WEB APP

PREVIEW

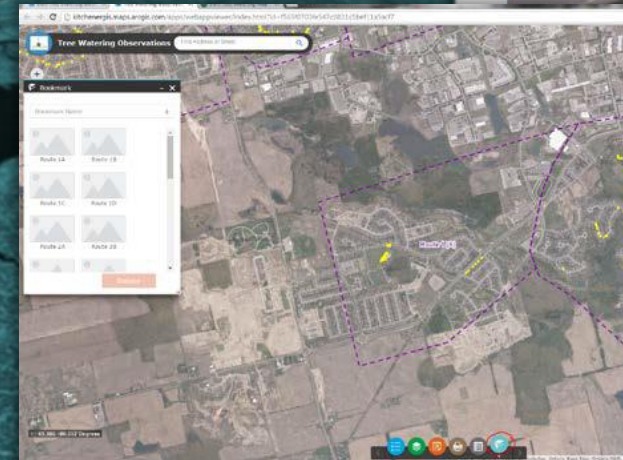
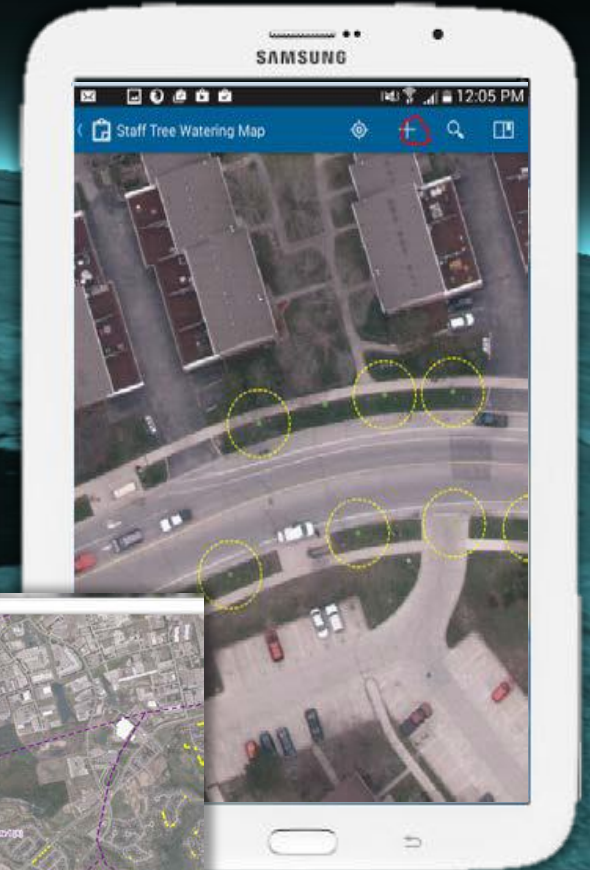
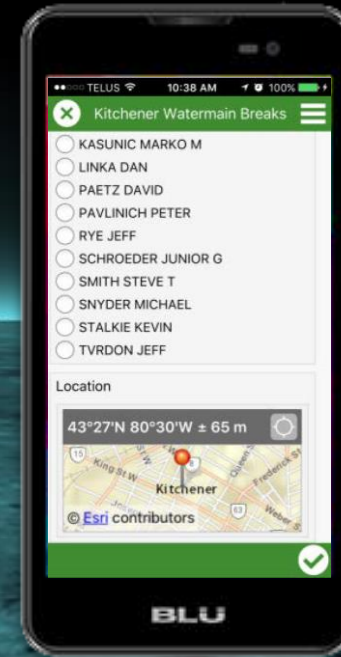
CLOSE

# Mobile Apps

Grey County



City of Kitchener



# Parcel Look-up

Haldimand County

The screenshot shows a web browser window displaying the Haldimand County Online Maps application. The browser's address bar shows the URL: `haldimand.maps.arcgis.com/apps/MapAndAppGallery/index.html?appid=2ea`. The application header is blue and contains the Haldimand County logo, the title "Haldimand County Online Maps", a search bar, and navigation options like "Sort by", "Layout", and "Sign In".

The main content area is divided into two columns. The left column features a "Haldimand Mapping Group" section with a "Tags" list: Clerks, Economic Development, Emergency Management, Engineering, Fire Division, Haldimand County, Infrastructure Planning, Division, Public Map, Roads Division, Solid Waste, Staff Mapping, and Version Six. The right column displays a grid of map applications:

- Census Data**: Web Mapping Application. Includes share and info icons.
- Clerks Map**: Web Mapping Application. Includes share and info icons.
- Economic Development (Field Data Collection)**: Web Map. Description: "A map for collecting data in ArcGIS Collector". Includes share and info icons.
- Elevation Analysis**: Web Mapping Application. Description: "An interactive map to display elevations across a user defined line." Includes share and info icons.

Each application card includes a small thumbnail image of the map interface. The "Economic Development" map thumbnail shows a map of the Grand River area with a point labeled "Nia".

# Esri Canada Training

Register for any Esri Canada training course and receive a 15% discount

Use promo code:  
**ESRIUCLD**

The screenshot shows the Esri Canada website's 'Training Solutions' page. At the top, the Esri Canada logo is on the left, and navigation links for 'Company', 'Support', 'Programs', 'Blog', 'Contact', 'Resources', and 'EN / FR' are on the right. Below the logo, there are links for 'Industries', 'Products', 'Services', 'Training', and 'Events'. A search bar labeled 'Search Esri Canada' is on the right. The main header features a large image of hands using a laptop with the text 'Training Solutions' overlaid. Below this, it says 'Instructor-Led Online Classroom Training'. A breadcrumb trail reads 'Home > Training > Training Solutions'. To the right of the breadcrumb are social media share icons for a plus sign, Twitter, Facebook, and Email. The main content area contains a paragraph: 'Education and training are a vital component to every successful geographic information system implementation. Our training solutions ensure that you not only protect your investment in GIS technology, but also enhance it.' Below this is another paragraph: 'We deliver high-quality, high-value technology courses that are mapped to your specific learning needs. Whether you're a new or advanced user, developer, system architect, database administrator or manager, we can help.' The final paragraph states: 'With GIS becoming ever more important in every area of business, government and education, a clear understanding of the technologies that you are working with is vital. Your success is the focus of everything we do at Esri Canada.' On the right side of the page, there is an orange 'Course Catalogue' button and a 'Training Solutions' card with a 'View' button.

[esri.ca/training](https://esri.ca/training)

Register by midnight Friday, April 14th to receive your 15% discount

Join the Conversation / Share Photos

#EsriCanadaUC



@EsriCanada



EsriCanada




EsriCanadaTV



Esri Canada

# Evaluation Survey

 **esri** Canada

English

**GIS: Enabling a Smarter World** Esri Canada User Conference **2017**

All respondents who complete the survey will be entered in a draw for a chance to win a \$50 Visa gift card. \*\*

If you have any questions, please [contact us](#).

1. First Name:

2. Last Name:

3. Email Address:

4. Based on your reasons for attending, please rate the overall value of this event:

# GIS: Enabling a Smarter World

Esri Canada  
User Conferences

2017





# Vision

## GIS

Enabling a  
Smarter World





# Our World Is Evolving

Undergoing a Massive  
Digital Transformation





# GIS and Mapping Are Becoming Essential

A Fundamental Language  
for Understanding and  
Managing Our World

Providing Content  
and Context

About Everything





# Our World Is Increasingly Challenged

Natural Disasters

Energy

Climate Change

Migration

Urbanization

Loss of Nature

Biodiversity

Population

Inequality

Pollution

Social Conflict

Water

Consumption

The Evidence Is Clear . . .

We Need to Be Smarter

We Need to Understand  
. . . And Act Together

# GIS Provides the Framework and Process

For Enabling a Smarter World



*Transforming How We Think and Act . . .  
. . . Creating a More Sustainable Future*

# GIS Is Getting Smarter

Integrates and Leverages Many Innovations



Cloud

Distributed

*Helping Organizations Work Smarter*

# Smart GIS Integrates Real-Time Data

Providing Dynamic Information About Everything



# GIS Connects Everyone

Creating a System of Engagement

Supporting Real-Time Awareness and Collaboration



*GIS Provides a  
Common Language  
for Communication*

# GIS Engages Communities

“Community GIS” Is a Cloud-Based New Pattern



Engaging  
All Citizens

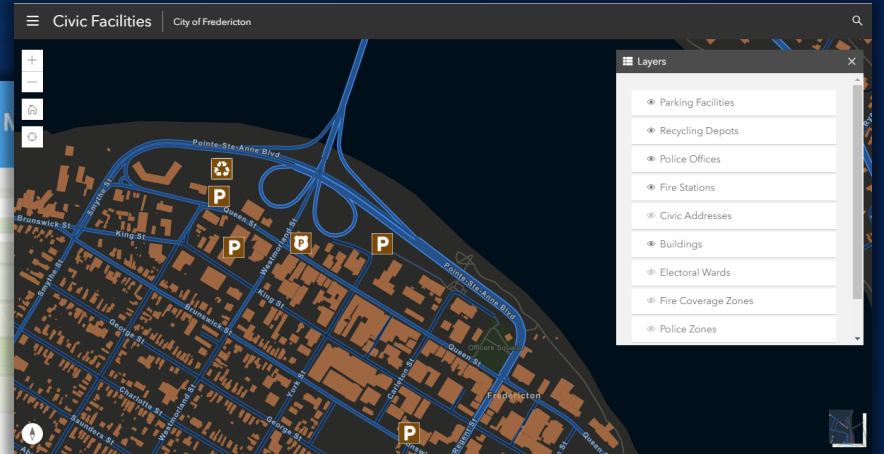
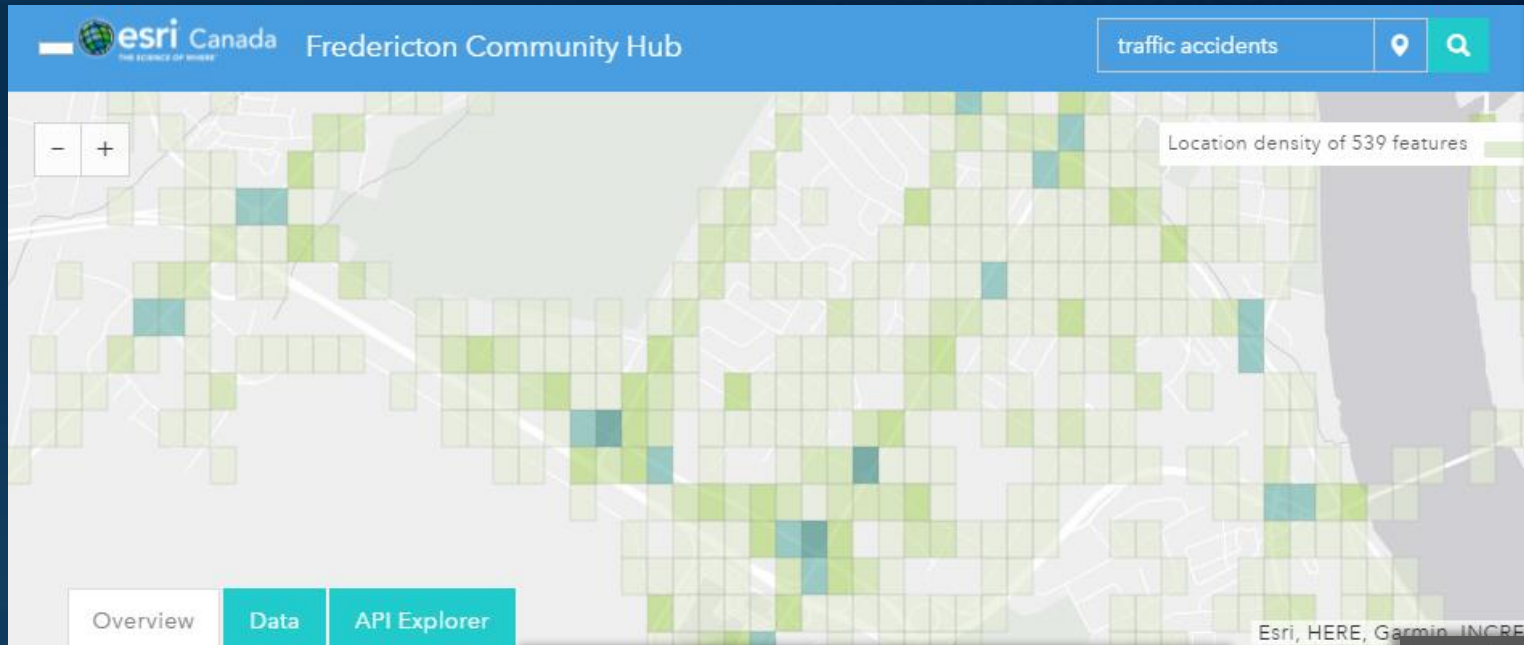
*Providing a Platform for  
Civic Engagement . . .*

*Enabling Smart Communities . . .*



# Demonstration

## Community Engagement with Smart GIS

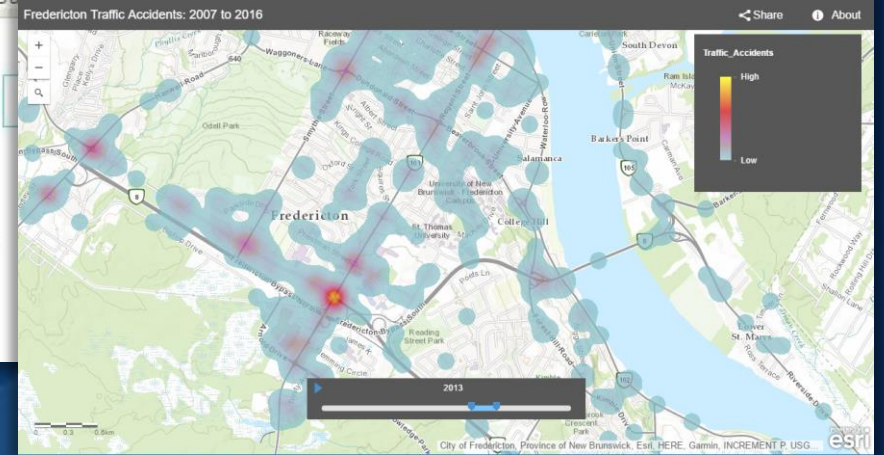
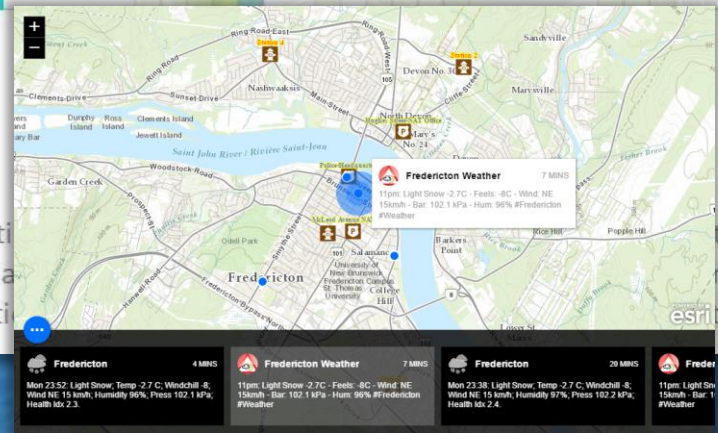


Esri, HERE, Garmin, INCREMENT P, NGI, USGS, NRC, Esri, HERE

### Traffic Accidents

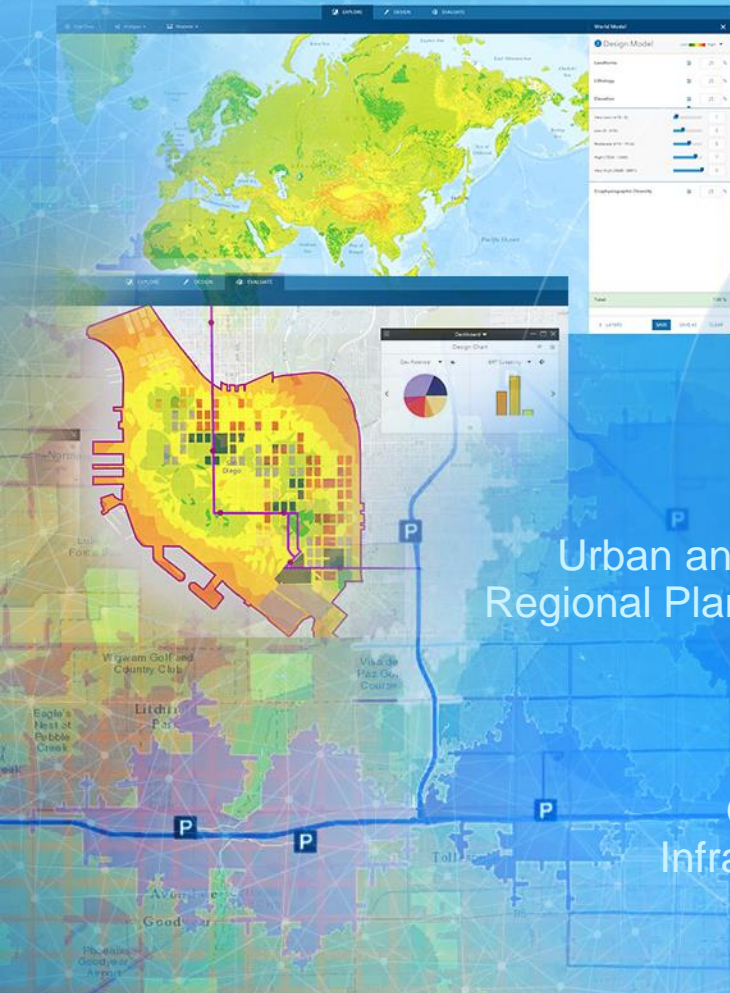
No license specified 3/13/2017

Traffic accident location information includes location, severity, year, month, date, number killed, whether the location is injured,



# GIS Is Revolutionizing How We Plan and Design

Integrating and Making Available Everything We Know



Business & Development

Urban Design

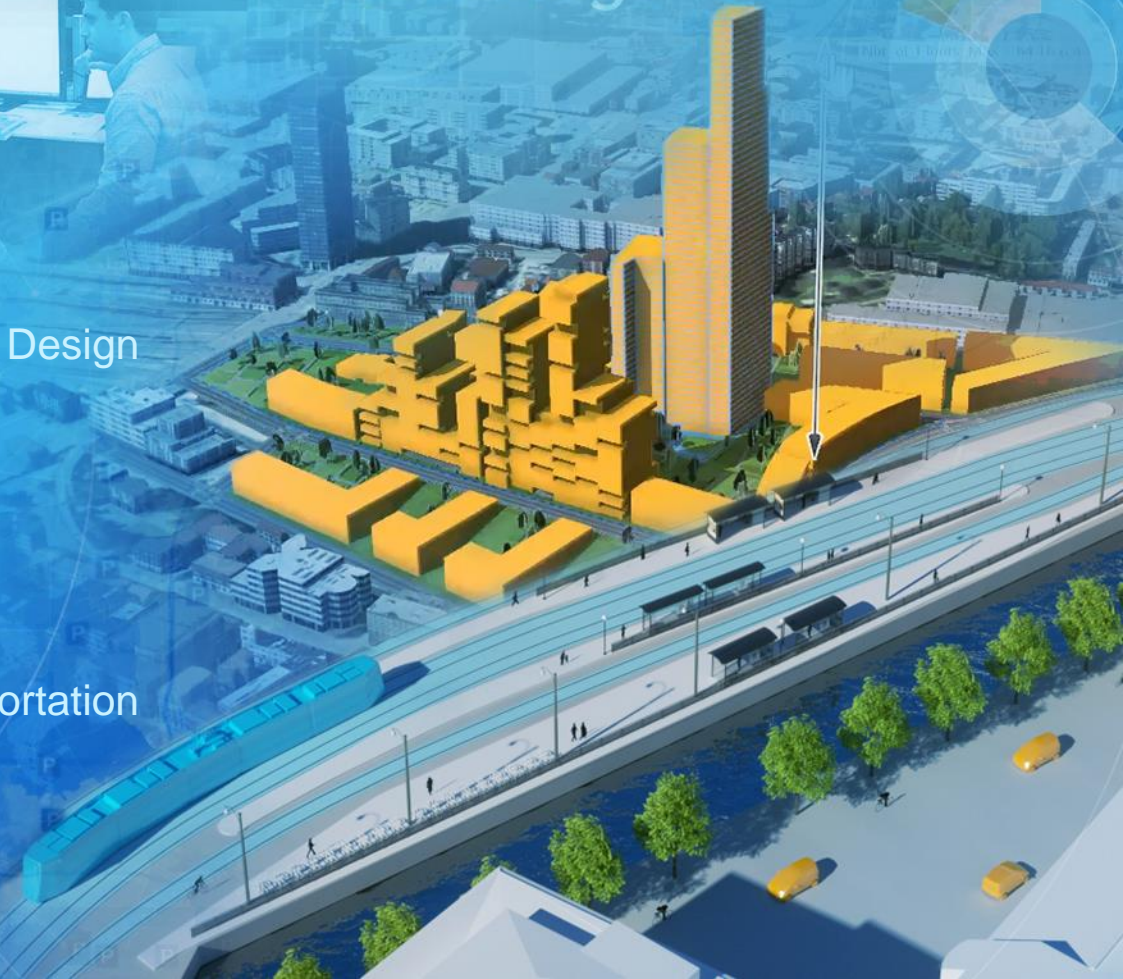
Urban and Regional Planning

Transportation

Green Infrastructure



Geodesign



# 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*

Supports Multiple  
Types of Systems

. . . And Be Aware, Alert,  
and Responsive



# GIS Is Becoming Distributed

A New Architecture Is Emerging

Enabling  
Collaboration

Systems of Systems



*Enabled by Portals . . .  
. . . Abstracting Distributed Data and Analytics*

# New Types of Collaboration Are Emerging

Connecting Individuals, Organizations and Communities



**Individuals**

Breaking Down  
Barriers

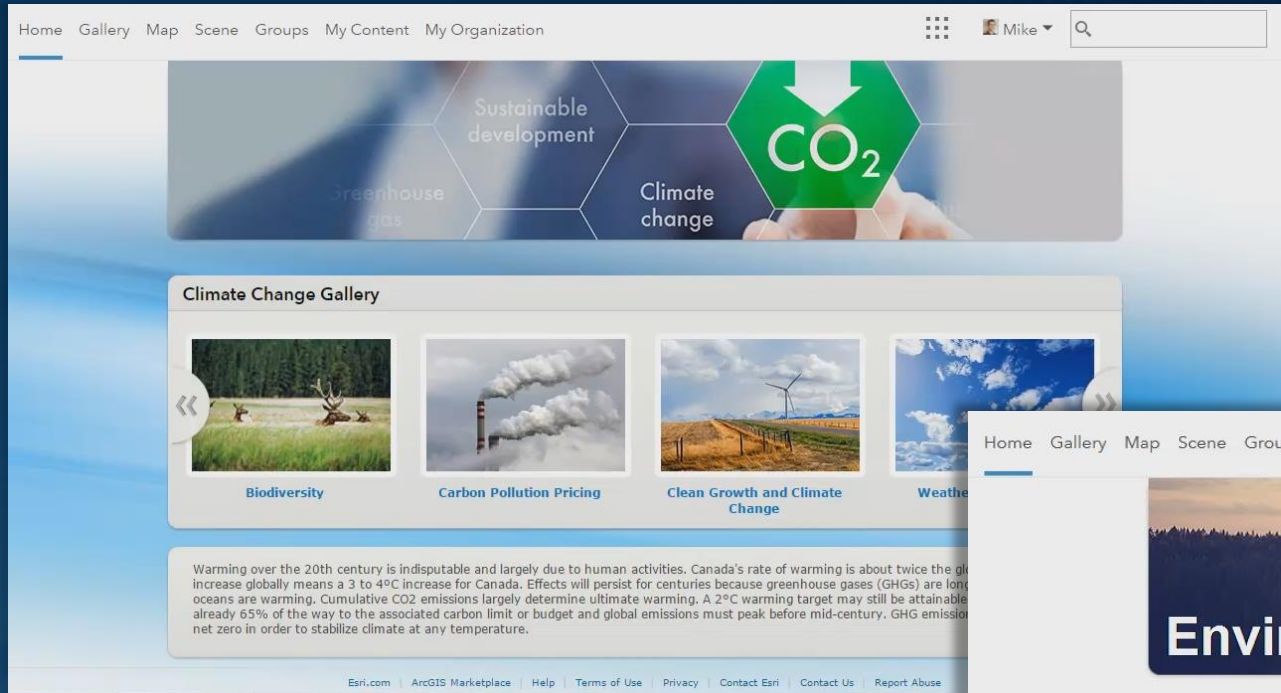
**Organizations**

Sharing Geographic  
Knowledge

**Networks of  
Organizations**

*... Creating a Nervous System for Our Planet*

# Demonstration Organization Collaboration with ArcGIS Online



Home Gallery Map Scene Groups My Content My Organization

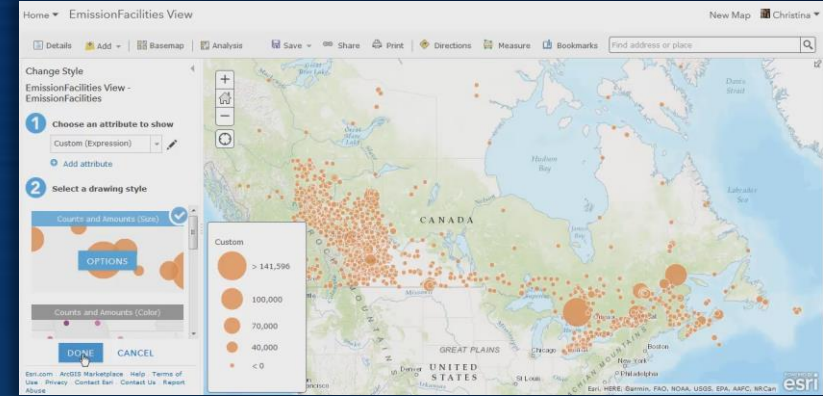
Sustainable development  
Greenhouse gas  
Climate change

### Climate Change Gallery

- Biodiversity
- Carbon Pollution Pricing
- Clean Growth and Climate Change
- Weather

Warming over the 20th century is indisputable and largely due to human activities. Canada's rate of warming is about twice the global increase globally means a 3 to 4°C increase for Canada. Effects will persist for centuries because greenhouse gases (GHGs) are long-lived. Oceans are warming. Cumulative CO2 emissions largely determine ultimate warming. A 2°C warming target may still be attainable only if we reduce emissions to 40% of 2010 levels by 2050. To meet this target, global emissions must peak before mid-century. GHG emissions must reach net zero in order to stabilize climate at any temperature.

Esri.com | ArcGIS Marketplace | Help | Terms of Use | Privacy | Contact Esri | Contact Us | Report Abuse



EmissionFacilities View

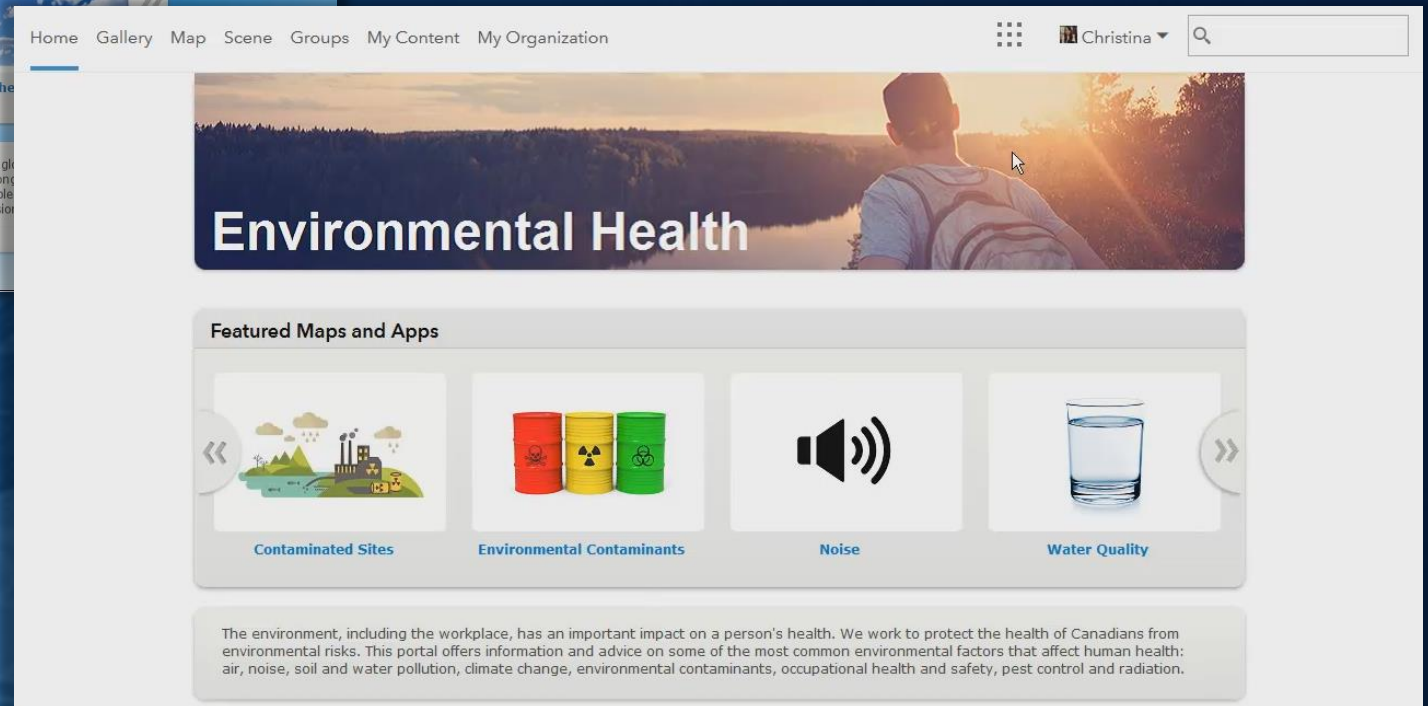
Change Style  
EmissionFacilities View - EmissionFacilities

- Choose an attribute to show  
Custom (Expression)
- Select a drawing style  
Counts and amounts (Size)

Options: Custom, Counts and amounts (Color)

Done Cancel

Map showing Canada with orange circles representing emission facilities. Legend: Custom, > 141,596, 100,000, 70,000, 40,000, < 0.



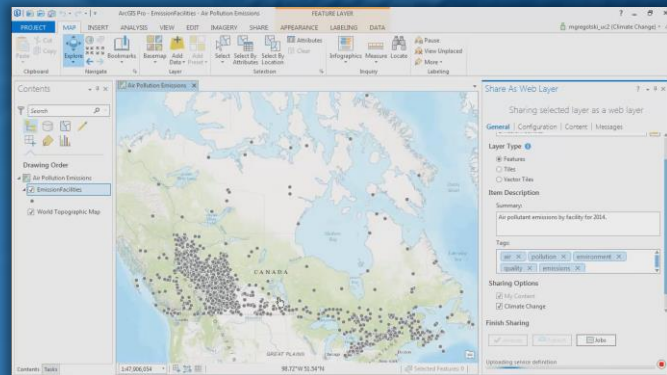
Home Gallery Map Scene Groups My Content My Organization

# Environmental Health

### Featured Maps and Apps

- Contaminated Sites
- Environmental Contaminants
- Noise
- Water Quality

The environment, including the workplace, has an important impact on a person's health. We work to protect the health of Canadians from environmental risks. This portal offers information and advice on some of the most common environmental factors that affect human health: air, noise, soil and water pollution, climate change, environmental contaminants, occupational health and safety, pest control and radiation.



Share As Web Layer

Sharing selected layer as a web layer

General Configuration Content Messages

Layer Type: Features

Summary: Air pollutant emissions by facility for 2014.

Sharing Options: My Content, Climate Change

Finish Sharing



# Our Work

Creating Useful Technology and Supporting Our Users

# ArcGIS

Spatial Analysis Content

Mapping 3D Solutions

Editing Data Management

Apps Usability

Security

Cloud Quality

Big Data

Open Data

Developers

Enterprise Integration

Real Time

Performance

Administration

Standards

Geodesign

Identity

Imagery

Interoperability



# ArcGIS Capabilities Are Advancing

Open  
Content  
Mapping  
Data Management

Spatial Analysis

Imagery

Data Exploration

Real-Time

3D

Apps

Visualization

GIS Innovation

Big Data



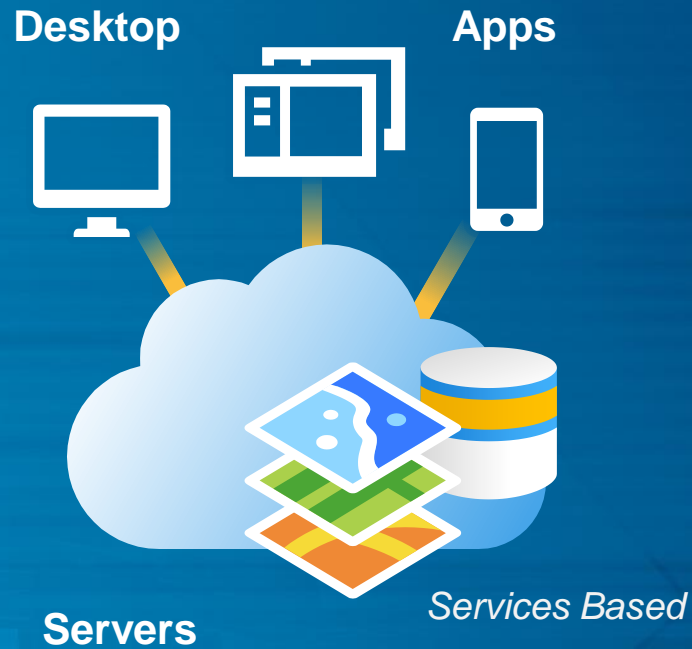
# ArcGIS

A Complete GIS Platform

Deployable On-Premises,  
Online and Hybrid

Enterprise

Online



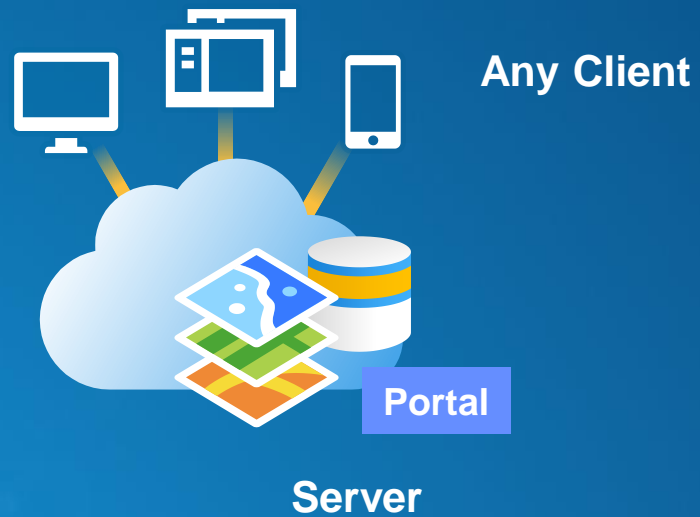
Open

*Supporting Individuals, Organizations and Communities*

# ArcGIS Enterprise

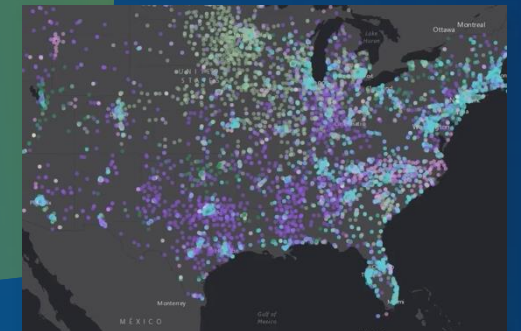
ArcGIS In Your Own Infrastructure

Next Generation  
Server Platform



## What's New (10.5)

- Simplified Administration
- Automated Deployment (Chef)
- Python Web Scripting
- Better Scalability/Security
- Portal Replication
- Improved Smart Mapping
- OGC Enhancements (WFS, WMS, WMTS)
- Distributed Architecture



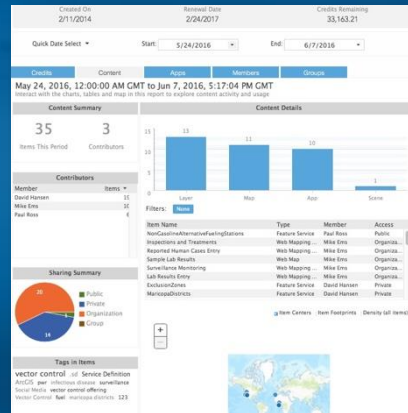
Smart Mapping

Enterprise Data Management, Analysis, and Mapping

... Improved Quality and Performance

# ArcGIS Online

## ArcGIS Available as SaaS



### New and Improved

- Smart Mapping and 3D
- Analysis Tools
- Vector Tiles
- Credit Allocation
- Enhanced OGC Support
- Administration
- Social Logins
- UI/UX

### Coming

- Improved Search & Data Management
- Org-to-Org Collaboration
- Raster Analysis
- More Smart Mapping & 3D
- More Content
- Interactive Data Analysis

3.8 MILLION Users +30%

ONE BILLION / Day Map Views +35%

7.9 MILLION Items +40%

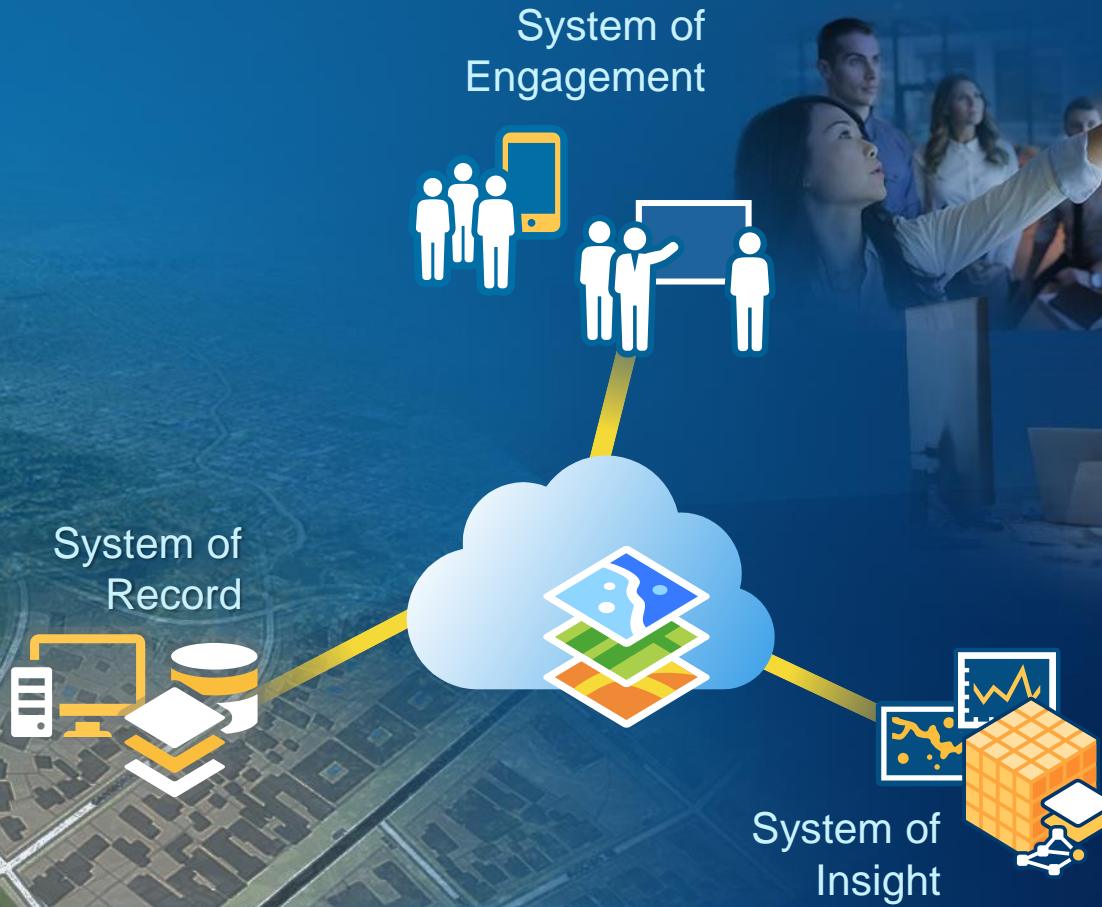
18.8 MILLION Open Data Downloads +411%

Complete Cloud-Based Mapping Platform with Apps and Content

... Enabling Sharing and Collaboration

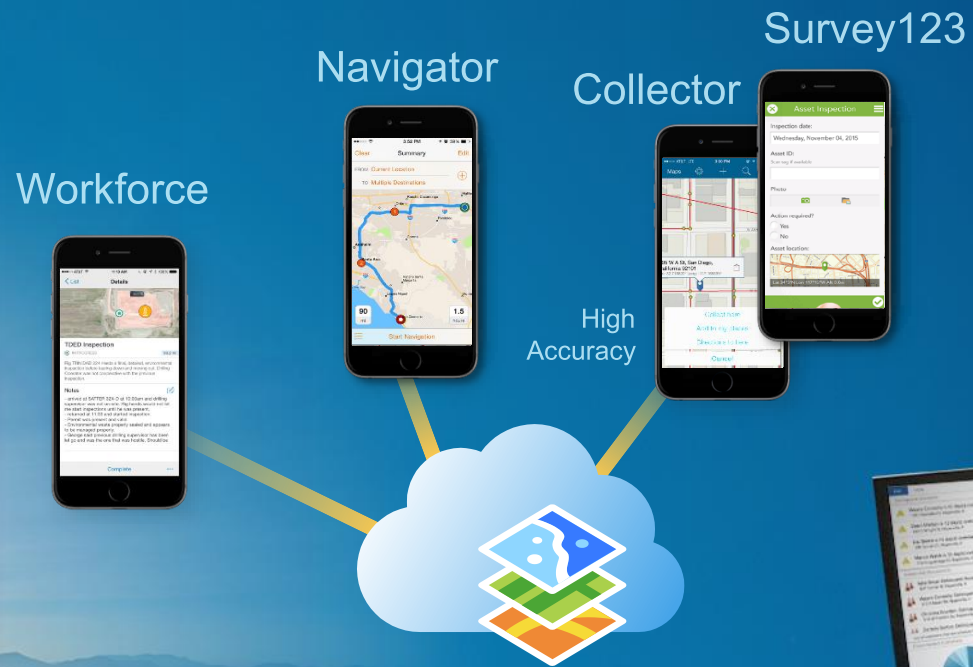
# ArcGIS

Enables Multiple Types of Systems

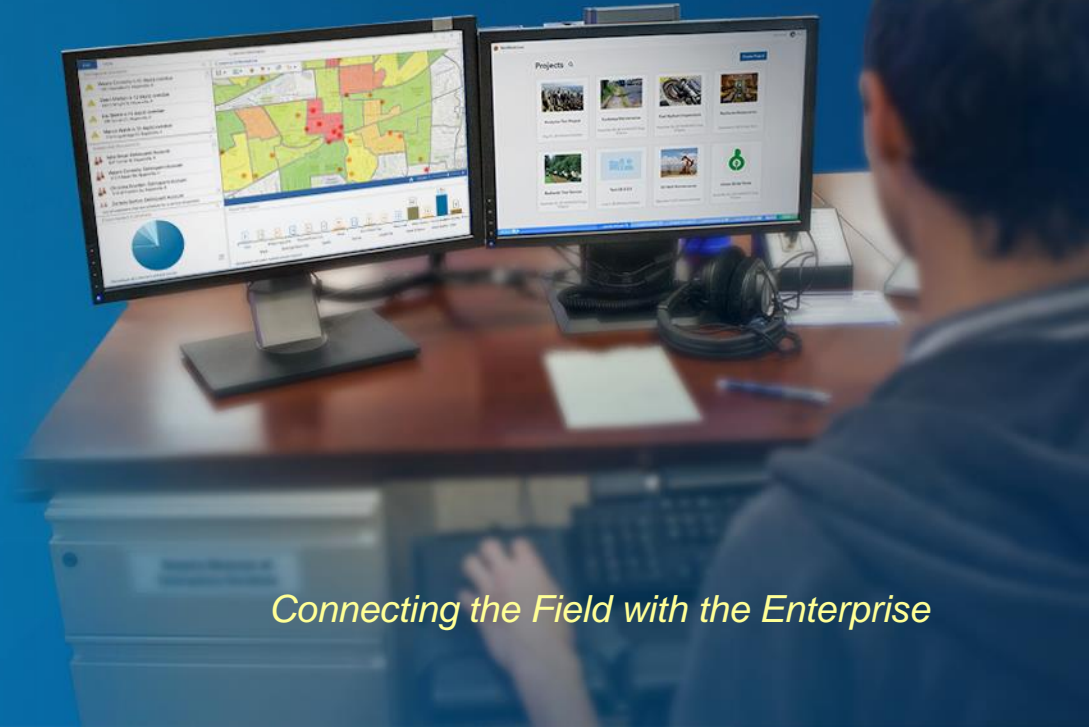


# Field GIS

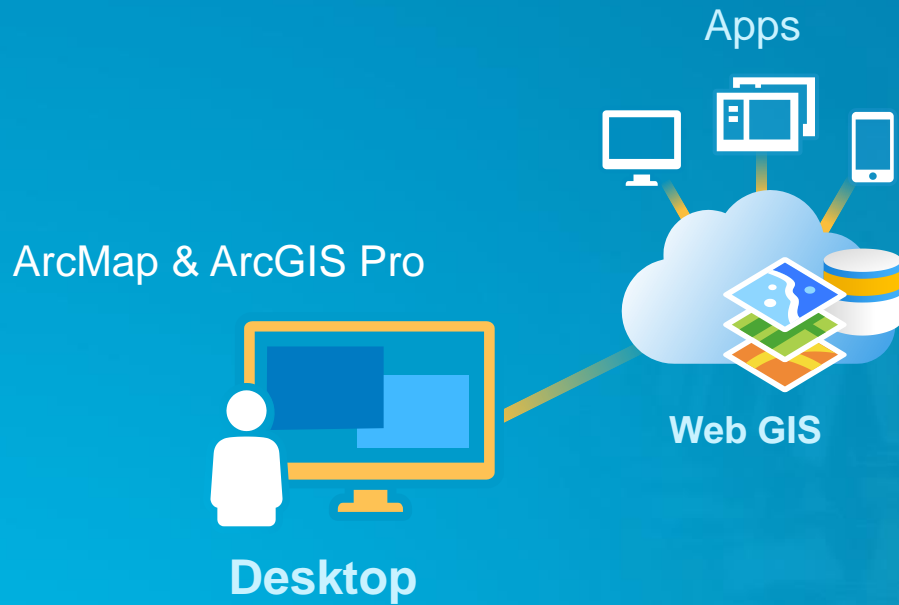
## Taking GIS Beyond the Office



- Collecting Data
- Reporting Observations
- Managing Work



*Connecting the Field with the Enterprise*



### New and Improved

- Smart Mapping
- Editing
- KML/WFS
- Map Series
- Charting
- Grids & Graticules
- Big Data Integration
- Point Clouds

### What's Coming

- Parcels Fabric
- Parcel Editor
- Utility Network
- Full-Motion Video

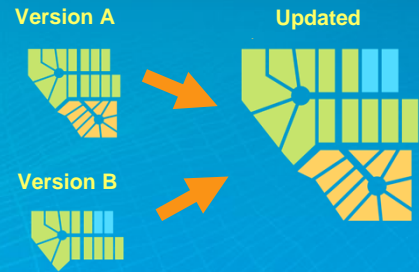
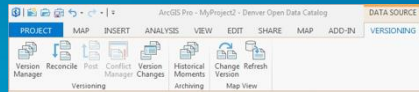
Advanced Mapping, Visualization, Editing and Analysis

... Simplifying and Improving

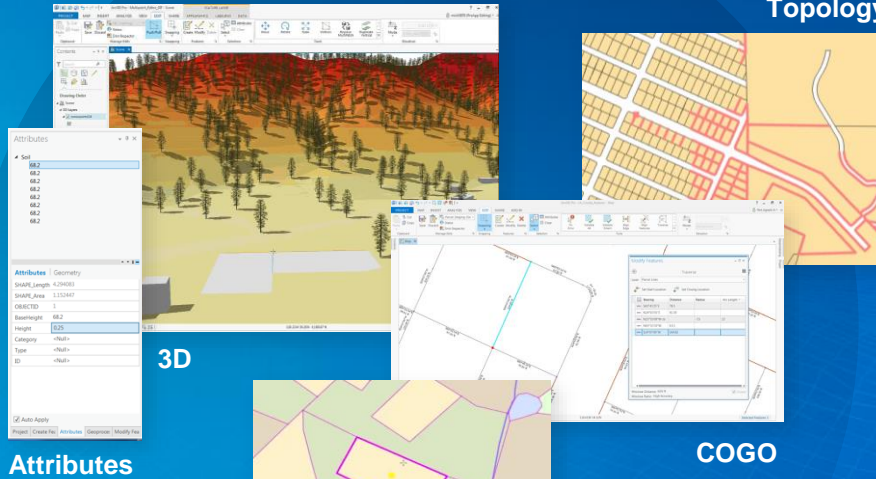
# Data Management and Editing

Advancing Workflows and New Tools

## New Versioning Tools



## Improved Editing (Pro)



Attributes

3D

Topology

COGO

Enhanced Geodatabase and DBMS Support

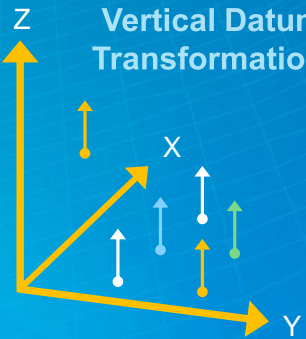
Expanded Data Integration

SAP HANA

Hadoop

Teradata

## Vertical Datum Transformations



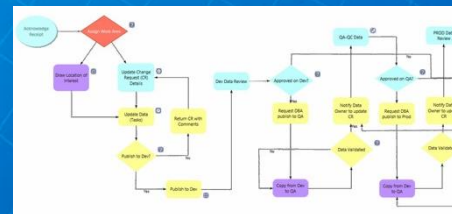
## Enhanced Geocoding



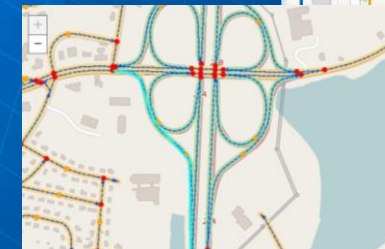
## Shared Edge Snapping



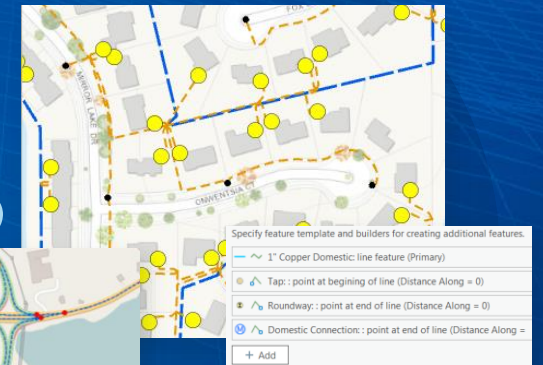
## Workflow Management



## Roads and Highways (LRS)



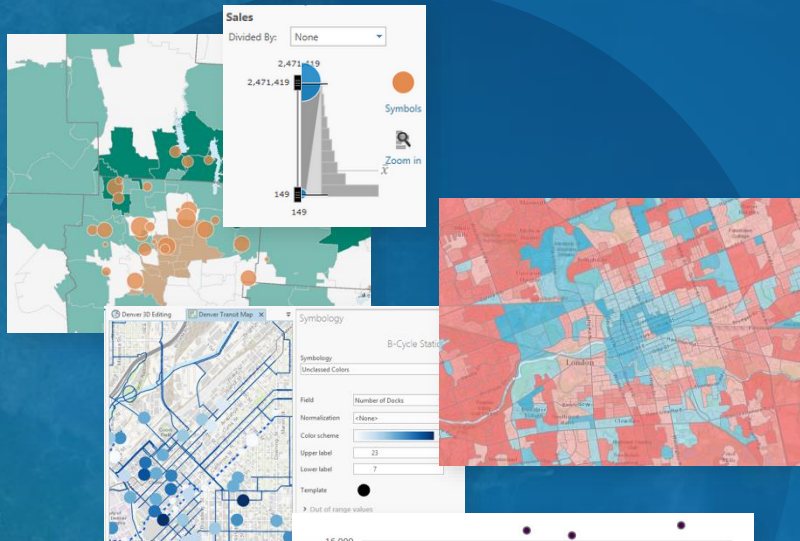
## New Utility Framework



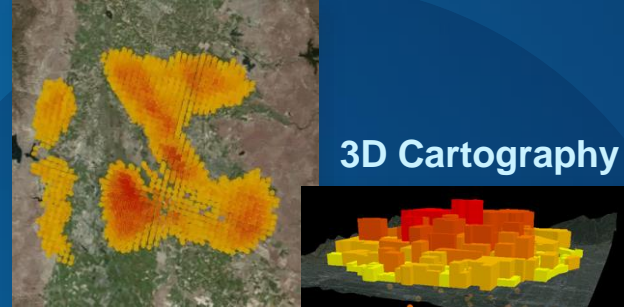
# Mapping and Visualization

Advancing Tools for 2D and 3D

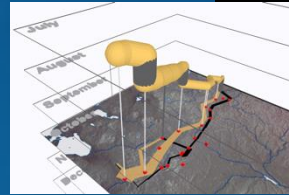
## Smart Mapping



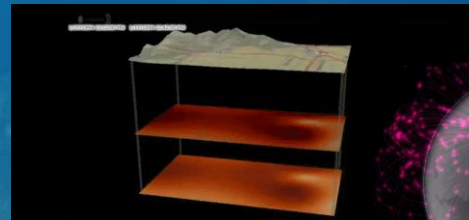
## Spatiotemporal (4D) Exploration



## Space-Time Map



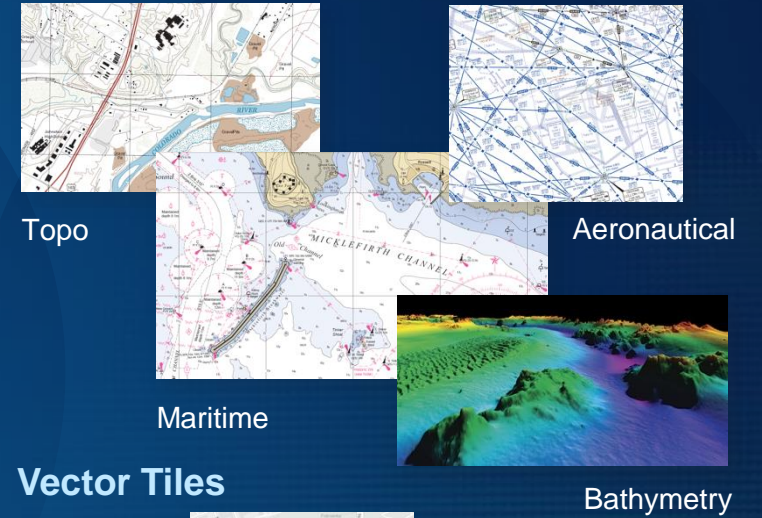
## Time Slider



## Animated Symbols



## Production Mapping and Charting



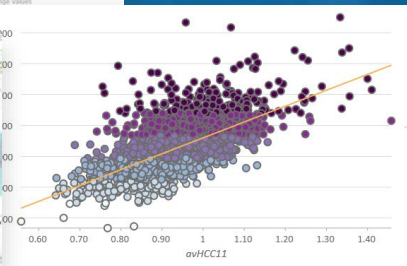
## Vector Tiles



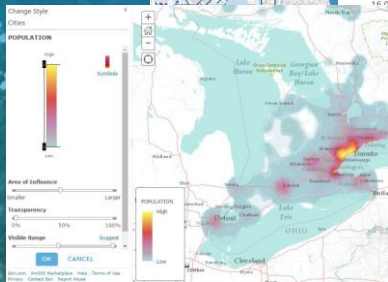
## 3D Virtual Reality



## Smart Charting



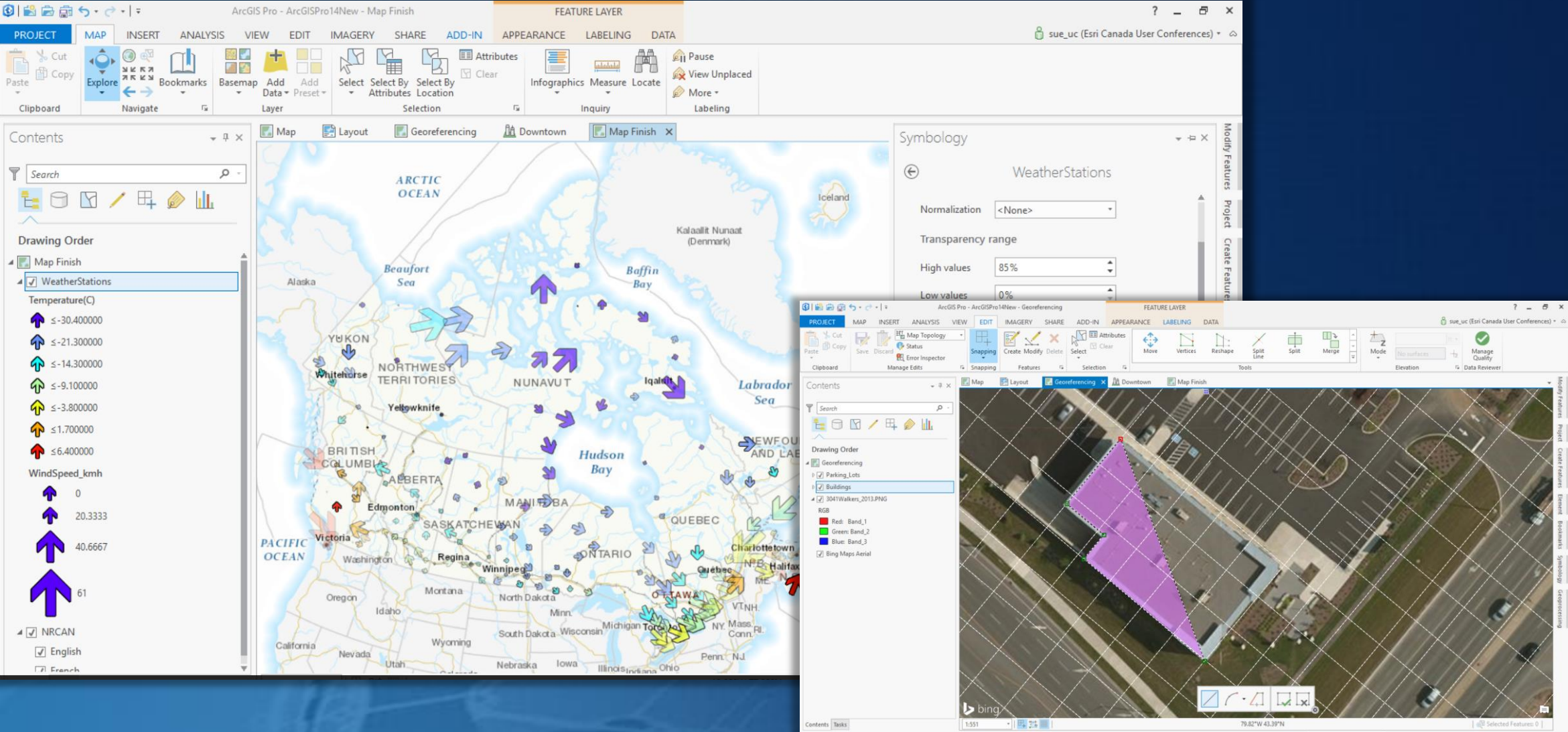
## Data Exploration





# Demonstration

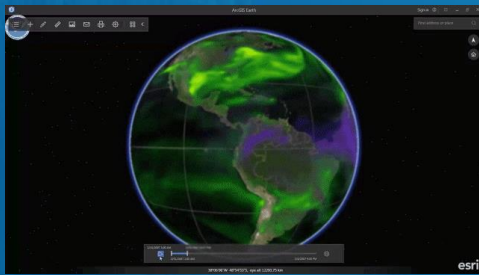
# Mapping, Visualization and Data Management with ArcGIS Pro



# 3D

## New and Improved Capabilities Across the Platform

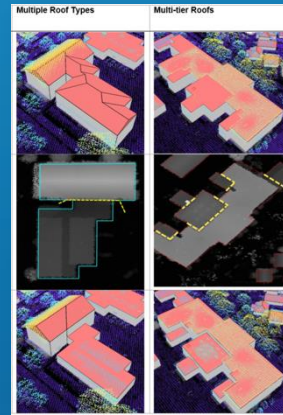
ArcGIS Earth



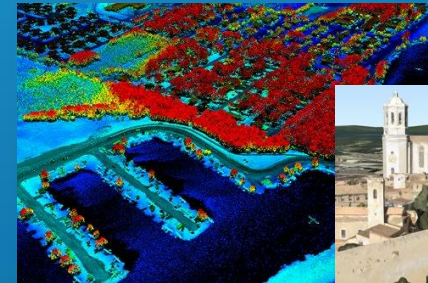
Urban and Landscape Visualization



Lidar Building Extraction

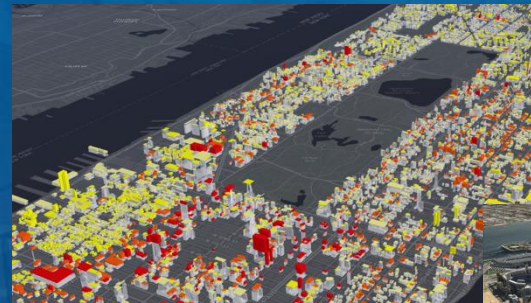


Point Clouds



Integrated Mesh

Complete 3D Web GIS



Rules-Based Extrusion (CityEngine)



Building Models (BIM)

*Desktop, Web, Device, Story Maps . . . Everywhere*

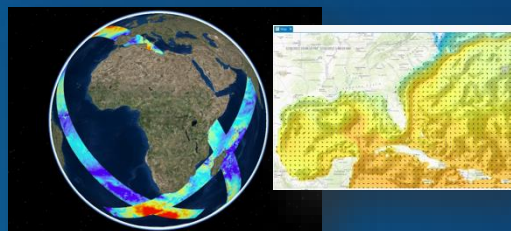
# Imagery

## Tools and Workflows for Analysis, Management, and Ortho Mapping

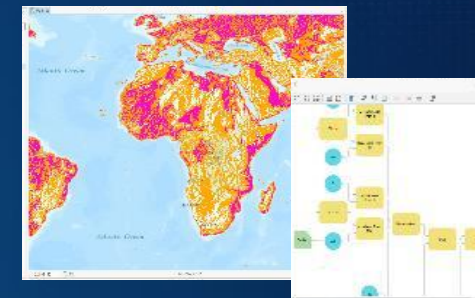
### Supporting Production and Research

- Powerful Analysis (100+ tools)
- All Major Sensors
- Desktop and Web

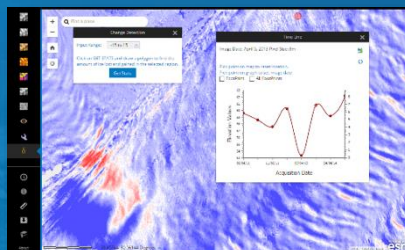
### Scientific Data



### Dynamic Processing Chains



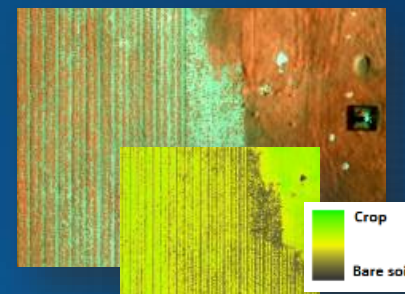
### Change Analysis



### Image Classification and Segmentation



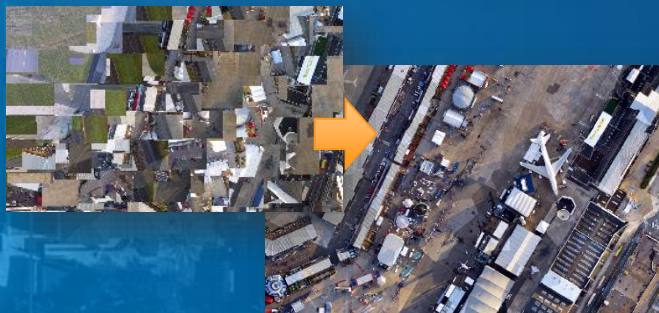
### Multispectral Analysis



### Oblique Imagery and Measurement



### Orthophoto Generation



### Drone2Map

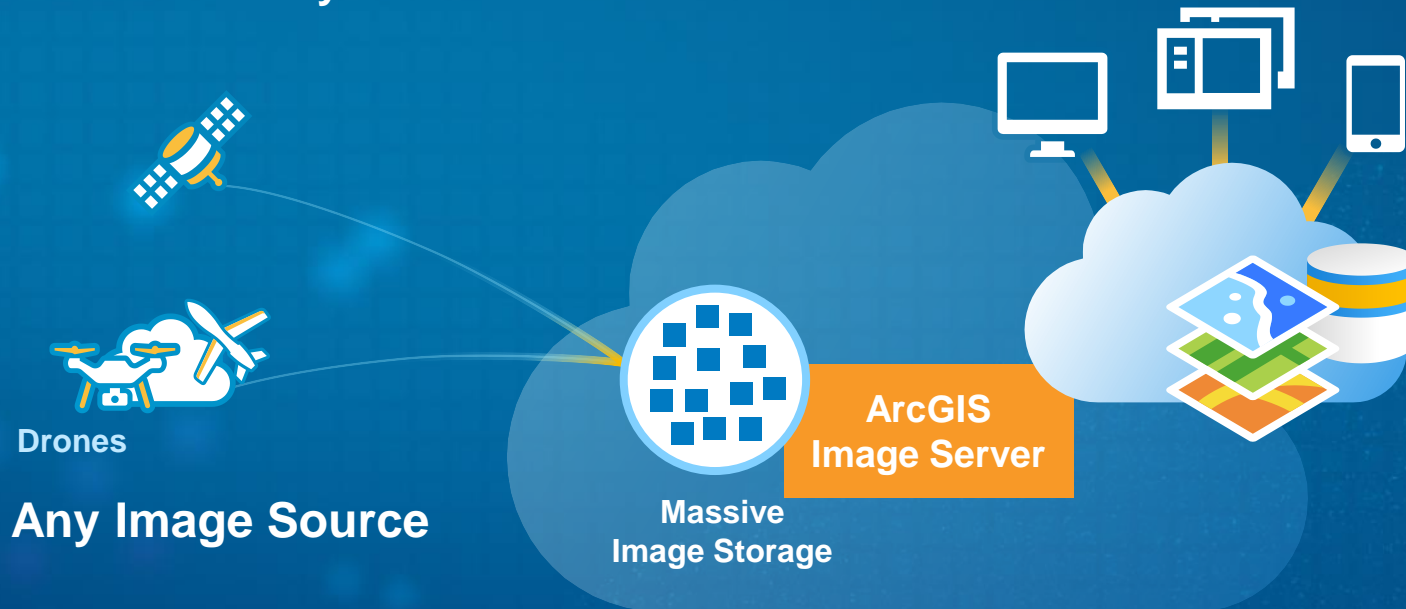


*Processing Single Scenes . . .  
. . . and Massive Collections*

# Imagery

ArcGIS Can Process Massive Imagery in the Cloud

**Dynamically Processed Imagery  
Served Directly into ArcGIS**



Processing is Performed  
Next to the Data

Enabling

- Image Services
- Raster Analytics
- Content Access and Management

*... Fully Integrated with the ArcGIS Platform*

# Demonstration Imagery Workflows with ArcGIS

The screenshot shows the Drone2Map web interface. The top navigation bar includes 'PROJECT' and 'HOME' tabs. Below this is a main toolbar with categories: Map (2D View, 3D View, Basemap), Layers (Add Data, Offline Content, Manage GCPs, Elevation Profile, Image Properties), Tools (Processing Options, Start, Processing Report), Clip Area (Draw, Clear), and Share (Feature Layer, Tile Layer, Scene Layer). The 'Contents' panel on the left is expanded to show 'Project Data' with options for Project Area, Images (Enabled/Disabled), Flight Path, and Ground Control Points. Under '2D Products', there are options for Orthomosaic, DTM Hillshade, and DSM Hillshade, with 'Imagery with Labels Reference' checked.

This screenshot shows the ArcGIS Pro desktop interface. The main workspace displays an aerial orthomosaic of a residential area with a school building. The 'Contents' panel on the left shows a list of layers including 'Toronto' and 'Imagery'. The 'Project' panel on the right shows the project structure with folders for 'Toronto' and 'Locations'. The top menu bar includes PROJECT, MAP, INSERT, ANALYSIS, VIEW, EDIT, IMAGERY, and SHARE.

**Updating a System of Record**

Updated Imagery Web Layer

Mosaic datasets are used to manage, display, serve, and share raster data. When you create a new mosaic dataset, it is created as an empty container in the geodatabase with some default properties to which you can add raster data. You must have write access to that geodatabase.

You can author and share web imagery layers containing mosaic datasets with ArcGIS Enterprise. These web layers expose the selected raster dataset.

esri Canada

**Updating a System of Record**

Capturing Humbercrest Public School Solar Panel Updates with Drone2Map for ArcGIS

In the past few years, drones have become an increasingly common way to capture high-resolution imagery of local areas. Drone images are tagged with geographic information that describes where each image was taken, making them ready for use in your GIS. Drone2Map for ArcGIS not only allows you to view raw drone images on a map, but you can also create 2D and 3D GIS products from the images.

esri Canada

# Real-Time

## Integrating Sensor Networks and the IoT

- High-Velocity Data Streams
- Monitoring and Alerting
- Dynamic and Big Data Analytics



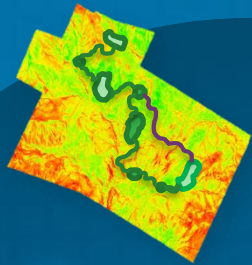
*Supporting Real-Time GIS Applications . . .  
... Enabling Smarter Organizations*

# Spatial Analysis

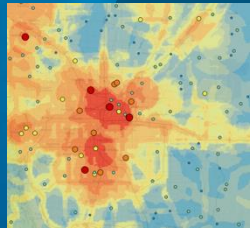
Introducing New Techniques and Methods

## New and Improved Tools

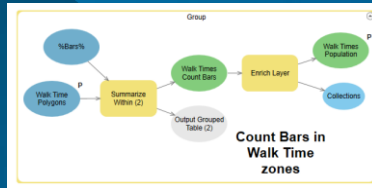
Landscape Corridors



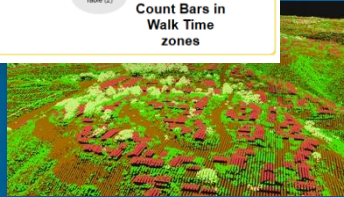
EBK Regression Prediction



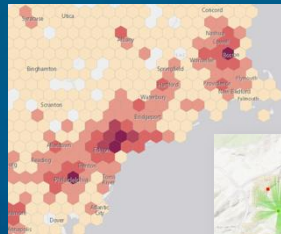
Improved ModelBuilder and Python



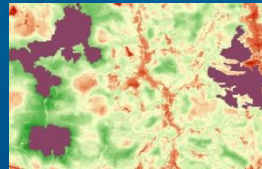
Count Bars in Walk Time zones



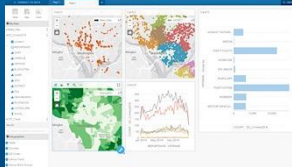
Dynamic Aggregation



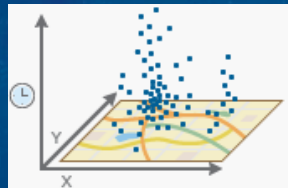
Lidar Classification



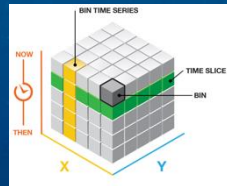
Interactive Analysis



Optimum Site Selection



Optimum Regions



Improved R Integration



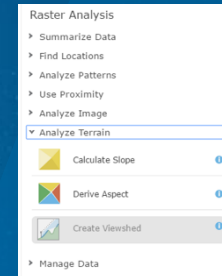
4D Pattern Mining

Space-Time Analysis

## Big Data Analytics

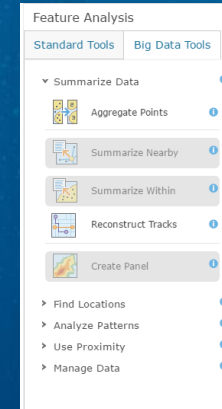
### Raster

- Suitability
- Density
- Corridors
- Distance
- Topo
- Proximities
- Classify
- Interpolation
- Difference



### Vector

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

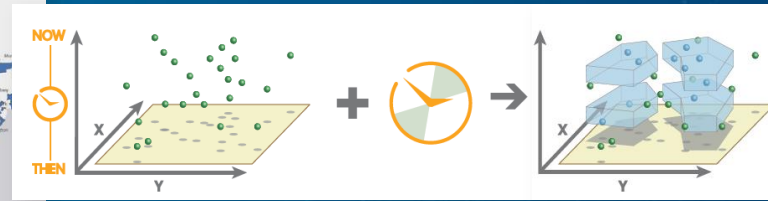
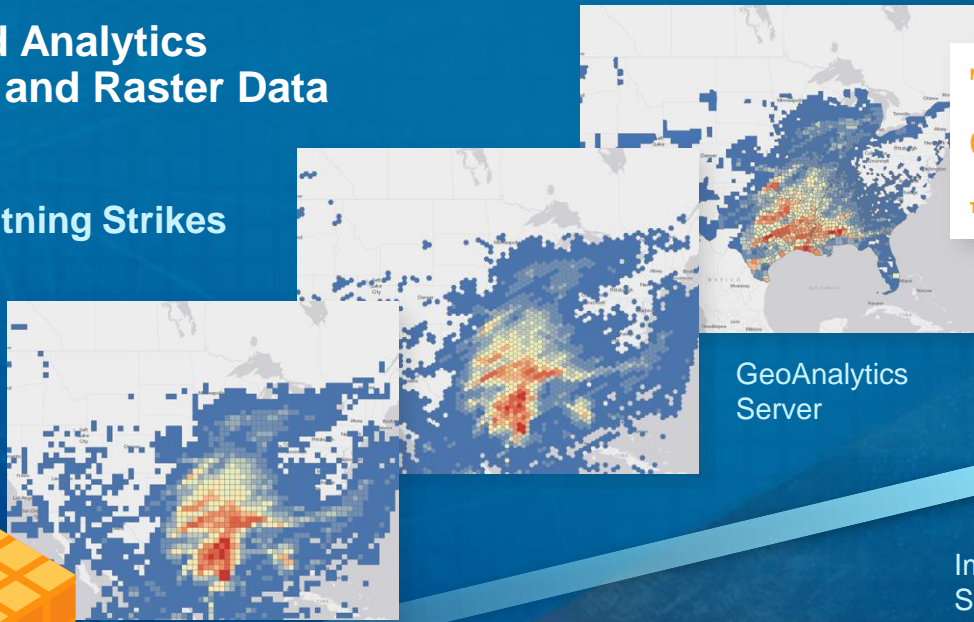


# Big Data

## GeoAnalytics and Visualization of Massive Data

Parallelized Analytics  
on Vector and Raster Data

Lightning Strikes



Spatiotemporal Analysis

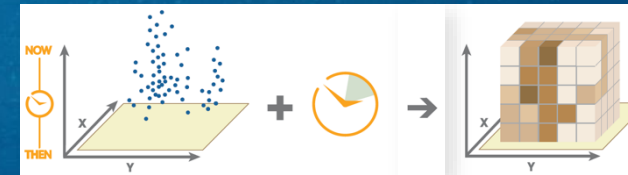
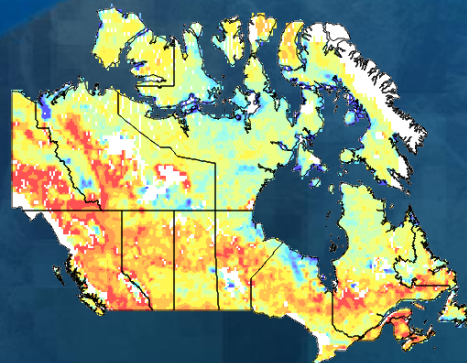
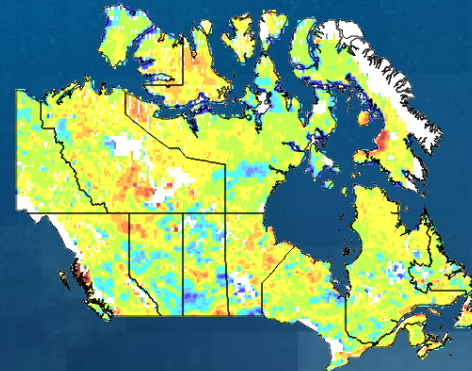


Image Server



Soil Suitability



*Providing Massively Parallel Processing  
... Creating New Insights*





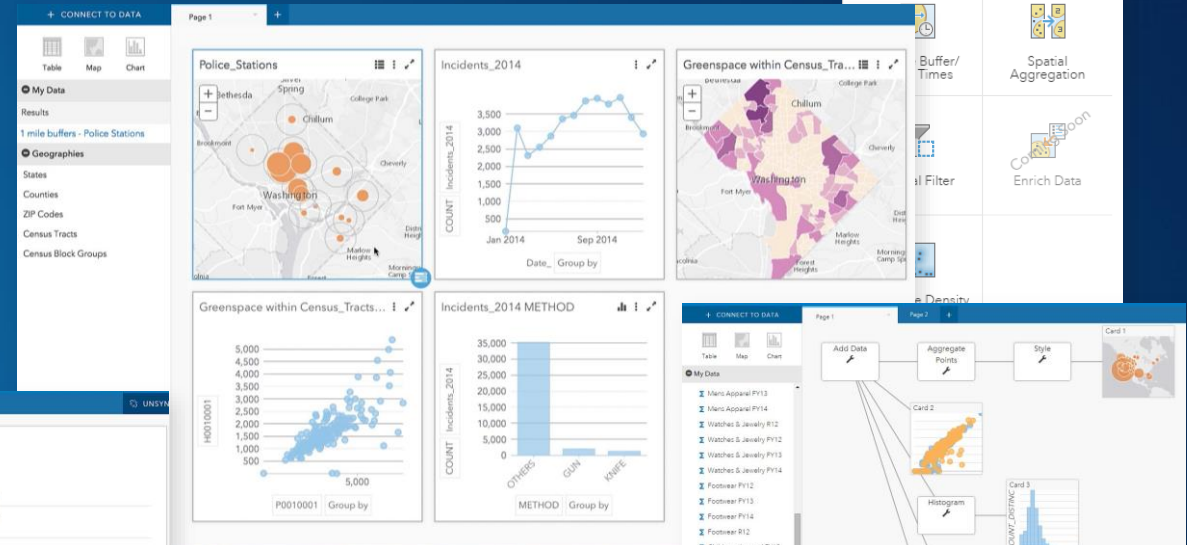
# Insights

## Transforming Understanding with Exploratory Analysis

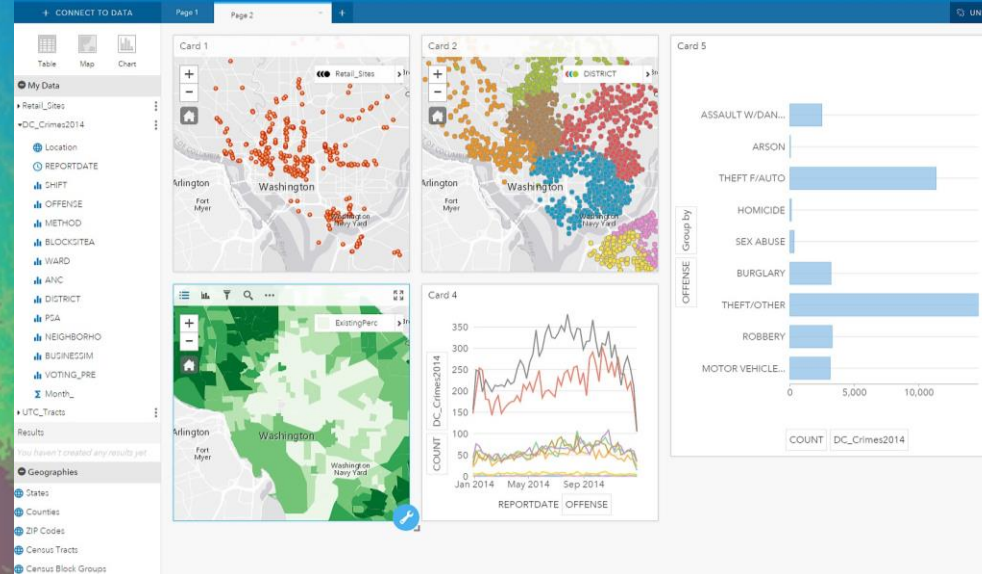
### A New App

- Visual, Intuitive, Responsive
- Dynamic Spatial Analytics and Visualizations
- Very Fast

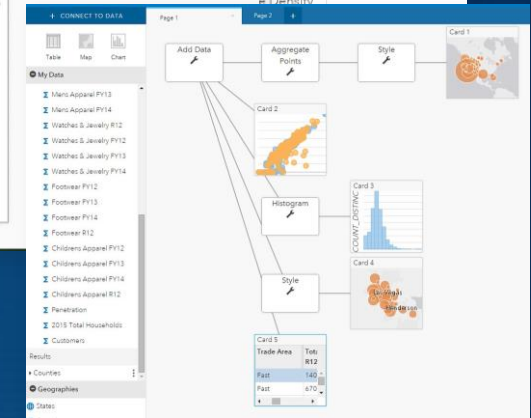
### Linked and Responsive Charts and Maps



### Integrated Spatial and Tabular Analysis



### On-the-Fly Visual Models



# Demonstration

## Understanding Patterns with Insights for ArcGIS

The screenshot displays the ArcGIS Insights interface with a workflow diagram on the left and four data cards on the right. The workflow diagram shows the following steps:

- Add Data** (LethbridgeNeig...)
- Spatial Aggregation**
- Style**
- Add Data** (Service Requests)
- Aggregate**
- Style**

The four data cards are:

- Card 1:** A map showing the LethbridgeNeig... area.
- Card 2:** A heatmap showing the distribution of Service Requests.
- Card 3:** A bubble chart showing the distribution of Service Requests by month.
- Card 4:** A line chart showing the COUNT of Service Requests over time from Oct 2014 to Jul 2016.

The interface also includes a sidebar with a list of data sources and a 'Layer Style' panel for the heatmap card.

# ArcGIS Is Open and Interoperable

## Product Integration

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

## Open Standards and Formats

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



## Open Software

Open APIs & SDKs  
Extensible Architecture  
Open Data Access  
Embeddable Components  
Open-Source Contributions (300+)  
Open-Source Integration



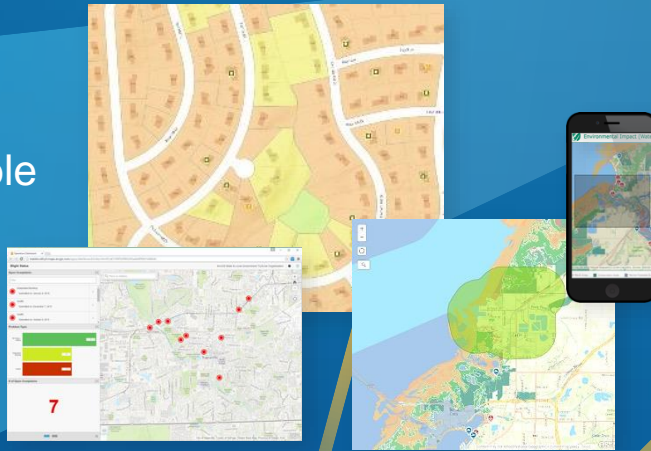
... Successfully Integrated into Thousands of Systems

# Hundreds of Ready-to-Use Maps & Apps

Open-Source Solutions

- Easily Configurable
- Fully Supported
- No Cost

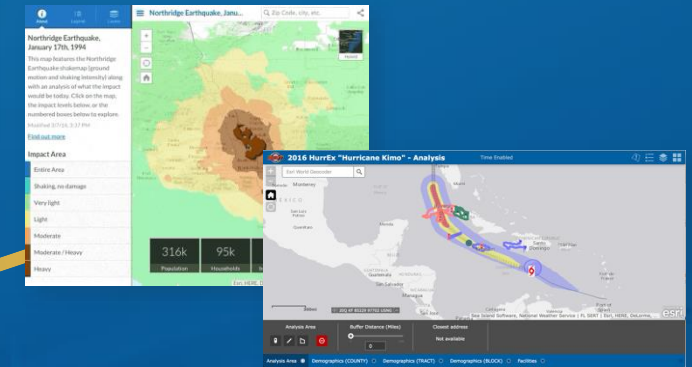
## Local & State Government



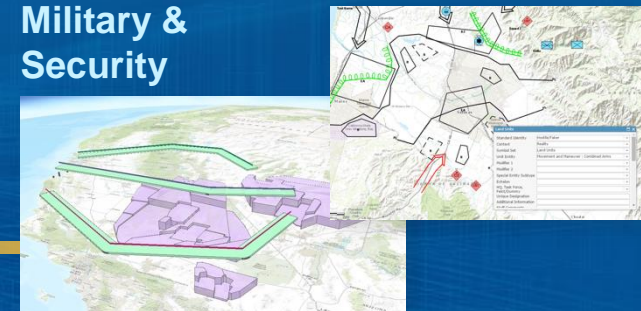
## Utilities & Telecom



## Emergency Management & Public Safety



## Military & Security



Open-Source Solutions

450+ Solutions  
500,000+ Downloads

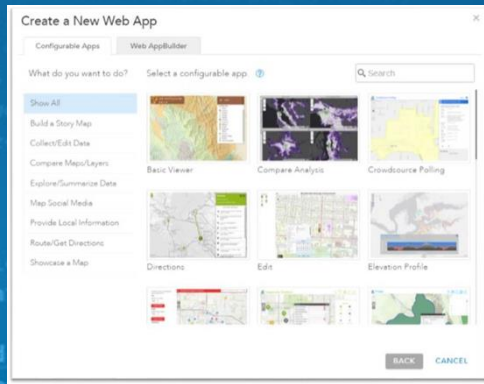


*Delivering Innovation & Best Practices*

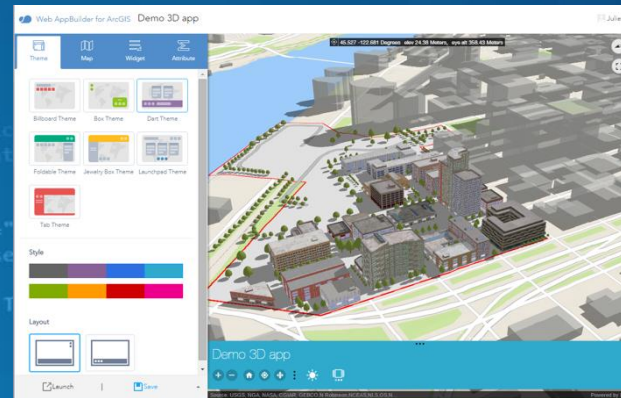
# App Builders

Easy-to-Configure and Create Apps

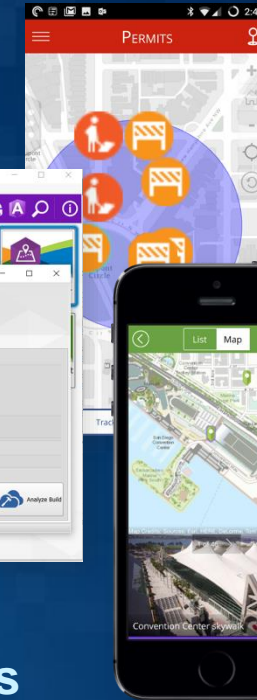
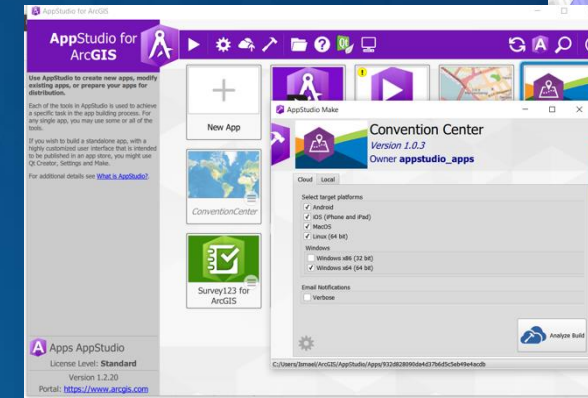
## Configurable Web Apps



## Web AppBuilder



## AppStudio



Browser Based

Native Devices



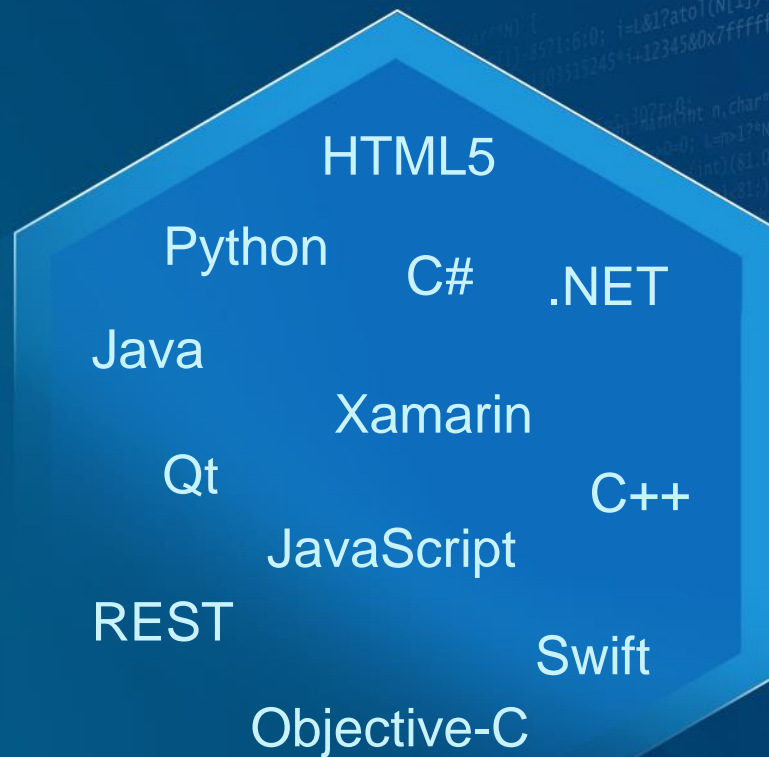
*In the Last Year . . .  
. . . Over 500,000 Web Apps Created and Deployed*

# Development and Scripting Tools

For Extending, Customizing and Embedding

## Major Advancements

- Python Web Scripting
- Pro Customization
- Arcade Expressions



[codesharing.arcgis.com](https://codesharing.arcgis.com)



# Living Atlas

Ready-to-Use Maps and Data

Compiled from the Best Available Sources

**Basemaps | Imagery | Demographics | Landscape**

Thousands of Maps & Layers

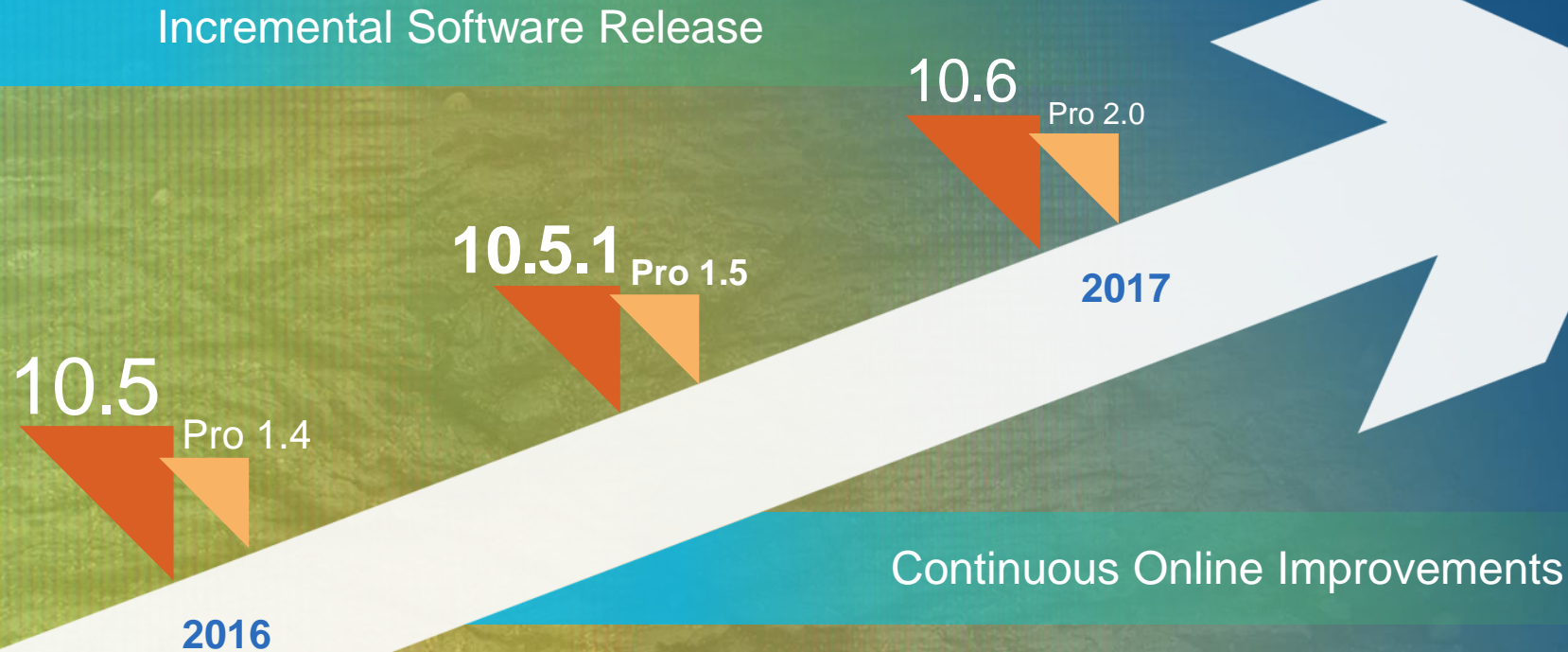
Tens of Thousands of Open Datasets

*Millions of User Contributions . . . Billions of Views per Week*



# Road Map

Incremental and Groundbreaking Advancements



Smart Mapping  
Big Data  
GeoAnalytics  
Crowdsourcing  
Utility Networks  
Massive Point Clouds  
Real-Time  
Imagery

Raster Analytics  
Scientific Modeling  
Ortho Mapping  
Spatiotemporal  
Spatial Statistics  
Volumetric Data  
3D Cities  
Distributed GIS  
Web Raster Analysis  
Augmented Reality

... Focused on Quality, User Needs and Innovation

# Professional Development

Lifelong Learning

Online Courses

Home Use Licensing

DevSummit

Training

*ArcUser*

Certification Program

*ArcNews*

GeoNet Community

Esri Press

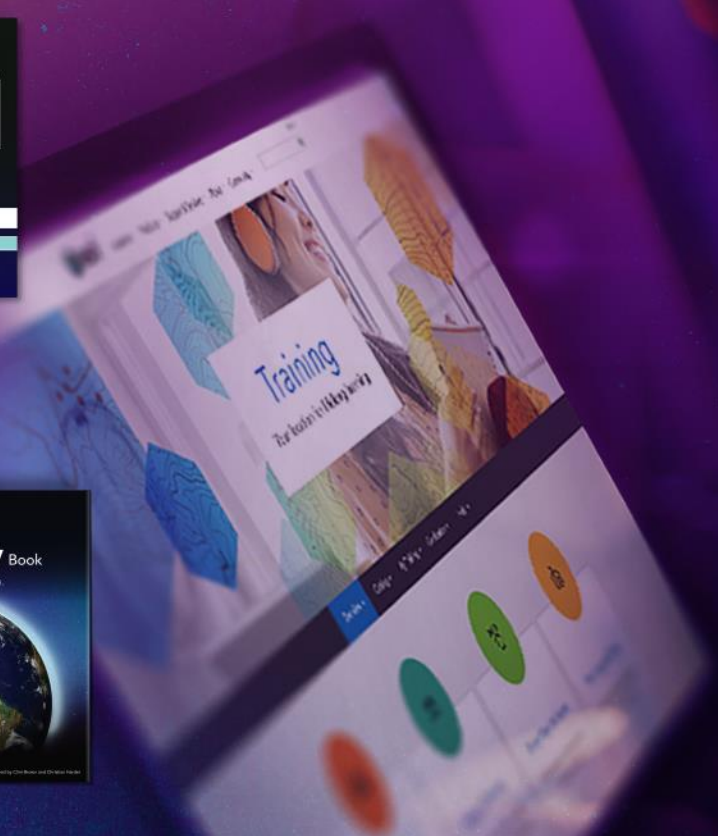
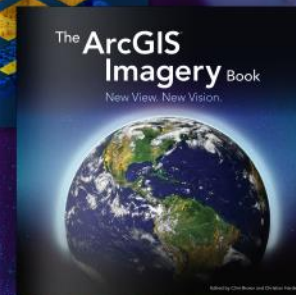
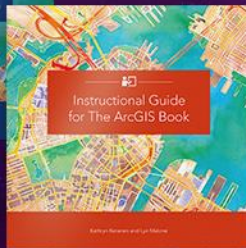
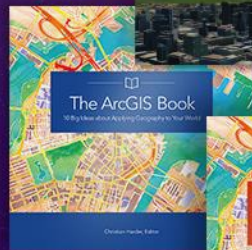
MOOCs

Young Professionals Network

User Conference

Self-Paced E-learning

Learn ArcGIS  
with guided lessons based on real-world problems.



# Partner Ecosystem

Committed to Your Success

**SAS**  
**MICROSOFT**  
**ORACLE SAP DELL CISCO**  
**AMAZON WEB SERVICES**  
**CITRIX IBM HP**

BAYANAT WITT O'BRIEN CUTTING EDGE ELEC DATA BRUCE HARRIS ASSOCIATES EI TECH  
PALMETTO XPLORE TECHNOLOGIES SEILER INSTRUMENT CLEAR TERRA DAR AL-HANDASAH  
ENGHOUSE GEOCOMM 1SPATIAL UNCHARTED SOFTWARE CITYWORKS CYBERTECH  
LASER TECHNOLOGY ISOVIST PRO WEST 3-GIS COLLINS BARTHOLOMEW CALAMP IDOX  
UDC WEBMAPSOLUTIONS AED-SICAD HANDHELD PCI GEOMATICS NEARMAP G2 PARTNERS  
OSISOFT LIZARDTECH GEOCUE WDT SIDWELL ACCELA PHOTOSAT  
LOCKHEED MARTIN BCS NT CONCEPTS HOLMANS DEWBERRY AIRBUS SAFE SOFTWARE  
GALIGEO ADCI DEIMOS IMAGING POWEL CLEVEST ORBIT GT IDMODELING  
DTS CITYVIEW NETWORKFLEET EXPRODAT PAVEMETRICS  
GEOCOM SHANGHAI HUANCE NAVIGATION BLUE RASTER  
NORTHSOUTH GIS CLEARION  
ALLEN INSTRUMENTS BAE LMK RESOURCES NORTH WEST GEOMATICS  
NIPSA DECCAN CARTOPAC ASSETWORKS PIX4D SEPTENTRIO LEIDOS  
IWATER CGX AERO ACCUWEATHER AMAN ENTERPRISES CANON EOS WSS SWECO  
ARC-GREENLAB E-RING CON TERRA EARTH ANALYTIC AERYON NISC  
MDA TRITECH BLACKBRIDGE RIEGL DATA+ LTD DIGITALGLOBE  
NVIDIA MICHAEL BAUER HDR MAGNOLIA RIVER ISLEM GIS  
IP SYSCON SCHNEIDER ELECTRIC PLW MODELWORKS ATKINS NORTH AMERICA  
XTTOOLS CDMSMITH TELEDYNE OPTECH FUGRO  
SUNGARD PUBLIC SECTOR FIREWHAT MOTOROLA NORTHROP GRUMMAN  
LEICA GEOSYSTEMS GTG CARLSON SOFTWARE CSDS RMSI SYMOLOGY COMPASSCOM  
GEODECISIONS PENNWELL-MAPSEARCH R&K SOLUTIONS DIGITAL MAP PRODUCTS  
GEOMAP-IMAGIS METRIA ROUTESMART FUTURA SYSTEMS CAPGEMINI SSP INNOVATIONS CENGEA  
SOURCE GRAPHICS ABB  
OCEANEERING PENBAY SOLUTIONS GBS ERICSSON LUCITY EAST VIEW TMA SYSTEMS QUANTUM SPATIAL  
EUROPA MICHAEL BAKER JR OMEGA GROUP NEW CENTURY TEXTRON JUNIPER SYSTEMS EPTISA  
BTC THALES KISTERS SMARTERBETTERCITIES DISPATCHR BARTLETT & WEST INC TRIMBLE  
TRACASA SAIC BAD ELF GEONEXUS TOPOMAT RAYTHEON  
GEO SOFT HART ENERGY NOVARA GEOSOLUTIONS SENSEFLY TYLER TECHNOLOGIES  
NEW WORLD SYSTEMS VOYAGER DOWNER ACCENTURE HOUSEAL LAVIGNE VESTRA RESOURCES DHI  
ARGIS SOLUTIONS VRICON DISPATCHR TLCENGINE  
DATASTORY GENEQ TETRA TECH CRITIGEN TOMTOM PAR GOVERNMENT SPARX SYSTEMS  
GIMBAL DATA CAPABLE MAPTIKS NEOTREKS BLACK RABBIT LABS  
CYCLOMEDIA HERE 3DR SPATIAL DIMENSION MARKLOGIC WHITESTAR HARRIS TRUE NORTH  
ECHOSEC GROUNDVU GIS WEB TECH VALARM UTILISYNC  
IFORMBUILDER DIG-SMART DATA EAST INNOVYZE TENSING GLOBAL INTEGRAL GIS POWER ENGINEERS  
UPSTREAM RESEARCH INDOOR REALITY SNAPTRENDS CAREVOYANCE  
EAGLEVIEW PICTOMETRY CORELOGIC LANDWORKS DATAMYNE EPOCH WDS  
SOCIALRADAR STREETSCAN QUORUM ANALYTICS ANTRIS INSPECTOOLS  
TELEFONICA ICA HYLAND LATITUDE GEOGRAPHICS TC TECHNOLOGY GEO JOBE NIIT  
METROTECH VIZWORX SMARTNOTIFY MAPILLARY TERALYTICS CIVILMAPS PUFFERFISH

# Education

Building the Next Generation

Project-Based Learning

Advancing Geoliteracy

Higher Ed Program

STEM

GIS Ambassador

Curriculum

School Program

Books



GIS Day: November 15, 2017

# GIS: Enabling a Smarter World

Esri Canada  
User Conferences

2017

