

Abstract

There is a lot of discussion surrounding <u>business intelligence</u> and <u>data-driven decisions</u>. But what does that mean? What <u>technology</u> and <u>governance</u> do you need in place? Organizations need to develop a <u>comprehensive strategy for data-driven decision-making</u>. This session will show you how to use Esri technology to create your strategy by first collecting, organizing, and analyzing data in a more meaningful way; then identifying ready-to-use applications to solve problems that affect your community; and finally, providing your personnel with the tools they need to act on this information.



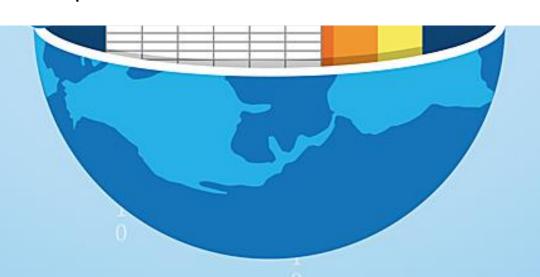
Business Intelligence defined:

Business Intelligence (BI) is the set of techniques and tools for the transformation of raw data into meaningful and useful information for business analysis purposes.





Location Intelligence (LI) is the process of deriving meaningful insight from geospatial data relationships to solve a particular problem.



Data-Driven defined:

...often labeled as business jargon for evidence-based decision-making...

Data-Driven is progress in an activity compelled by data, rather than by intuition or personal experience.

Data-Driven defined:

...often labeled as business jargon for evidence-based decision-making...

Data-Driven is progress in an activity compelled by data, rather than by intuition or personal experience.

- Controlling for other factors, data-driven organizations are:
 - 5% more productive
 - Analytics pays back \$13 per \$1 invested

Source: Creating a Data-Driven Organization by Carl Anderson http://www.slideshare.net/CarlAnderson4/ddo-seattle

Putting Data to Work

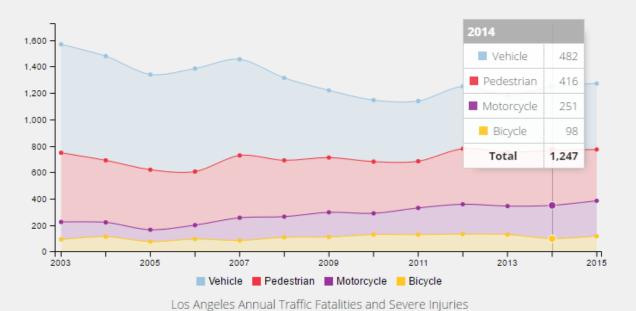
Featured Initiative



"Every year, more than 200 people are killed while trying to move around Los Angeles. Nearly half of the people who die on our streets are people walking and bicycling, and an alarming number of them are children and older adults. Our streets must be safer." – Mayor Eric Garcetti

See how the Los Angeles Vision Zero initiative is making our streets safer by putting data to work.

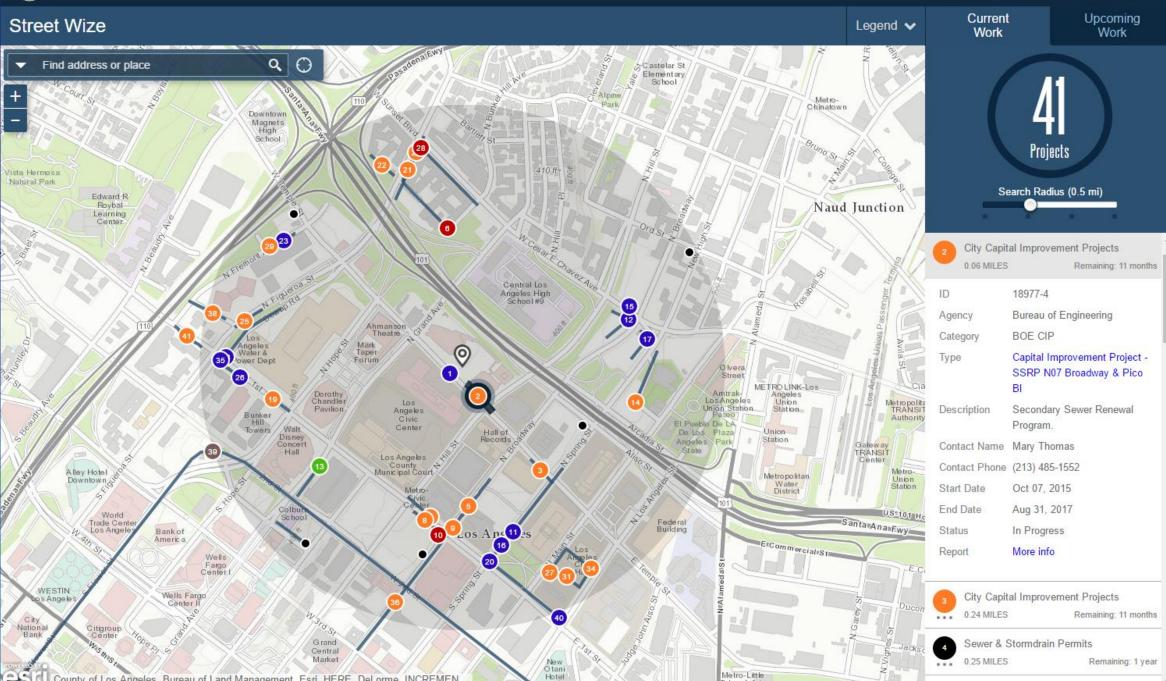
See Data in Action



County of Los Angeles, Bureau of Land Management, Esri, HERE, DeLorme, INCREMEN.







Metro-Little

Tokyo & Arts



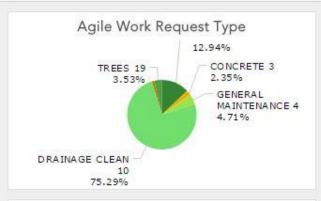
Field EOC Operations Dashboard

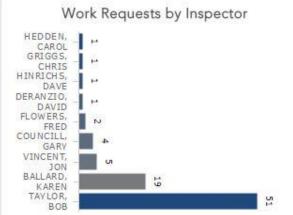
+ Add Widget













Latest Calls

#1594601 () NEED HIGH WATER SIGNS INSTALLED (PER KAREN)

#1594598 (RODGERS, JOHN) CITIZEN STATED COUNTY CAME OUT TWICE AND ADVISED PIPE CORRODING UNDER YARD AND SHOULD BE RE-LINED. NOW HOLE IS GETTING BIGGER NEAR DRIVEWAY AND INTEGRITY OF DRIVEWAY IS A FACTOR. THE PIPE GOES INTO JOE'S CREEK. CITIZEN STATED EMERGENCY DUE TO DRIVEWAY IMPACTED SOON.

#1594597 (SCF 2857840)

WATER FROM THE DRAINAGE DITCH BEHIND CALAIS IS OVERFLOWING ONTO TOWN APARTMENTS PROPERTY, WITH CONTINUED RAIN OUR DOWNSTAIRS UNITS WILL SOON FLOOD. MAYBE PRIVATE, BUT SAW DRAINAGE PIPES ON MAP.

#1594596 (DEFABBRIO, SUSAN) THE DRAINAGES IN THE DEAD END ARE FILLED WITH GARBAGE AND NOW THE STREET IS FLOODED!

#1594595 (COLEMAN, TAMMY) DRAINAGE ISSUE AS STORM DRAINS ARE NOT DRAINING POSSIBLY CLOGGED & THIS IS AT BOTH THE NORTH & SOUTH ENDS OF THE ROADWAY (WATER IS KNEE DEEP)

#1594593 (KENDALL)

TREE FELL ON VACANT HOME POSSIBLY PRIVATE & ON SUNDAY MORNING & YESTERDAY THE NEXT DOOR NEIGHBORS STARTING CUTTING IT UP & LEFT ON ROW & NOW ITS BLOWN INTO THE ROADWAY & IS BEING HIT BY VEHICLES & WORRIED ABOUT THE STORM & WANTS REMOVED

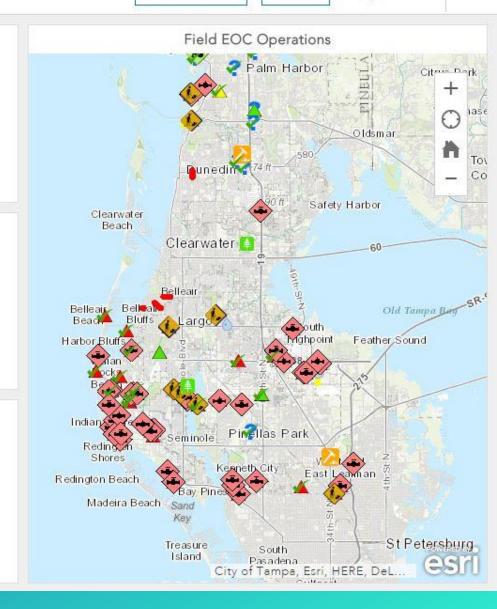
#1594592 (GORDON) POT HOLE IN FRONT OF PROPERTY

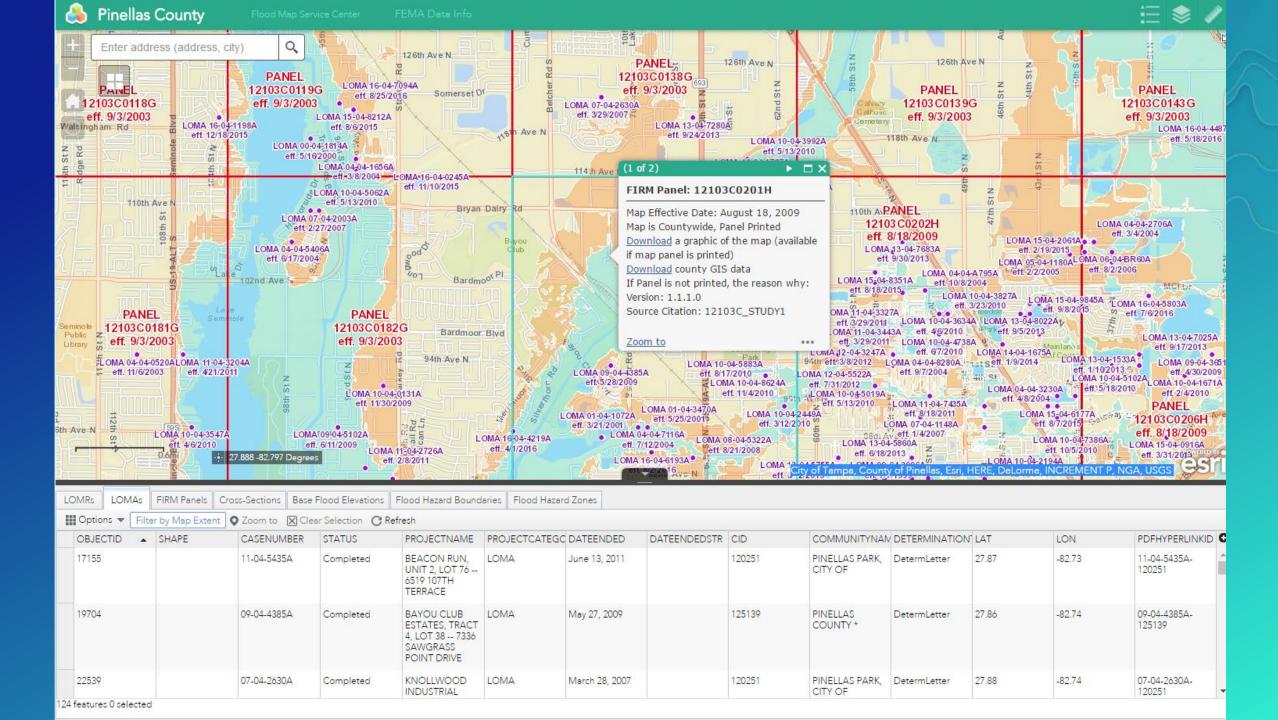
#1594591 (TIFFANY)

Road Blocks

Road Closures

Road Detours







Johns Creek DataHub

Open Data, Dashboards, and Mapping Apps

Search

Q

The "DataHub" is the City of Johns Creek's central location for

open data, dashboards, and interactive mapping applications.

Through this Hub, you can visualize city data in maps, charts, and dashboards. Developers can even tie their own data services and applications into City data.

Visualize Data in Dashboards

Dashboards provide an interactive way of visualizing information in the Johns Creek DataHub.



Most Common Data

Explore the most commonlyaccessed data in the DataHub



CreekView

Interact with property information through a map



Business Locations

Find businesses and associated information



Building

Browse building permits and construction projects

Which strategies have proved successful in promoting a datadriven culture in your organization?

Strategy	% of respondents
Top-down guidance and/or executive mandate	49
Promotion of data-sharing practices	48
Increased availability of training in data analytics	40
Communication of the benefits of data-driven decision-making	40
Recruitment of additional data analysts	17

Source: Creating a Data-Driven Organization by Carl Anderson http://www.slideshare.net/CarlAnderson4/ddo-seattle

Smart <u>[insert noun here]</u>

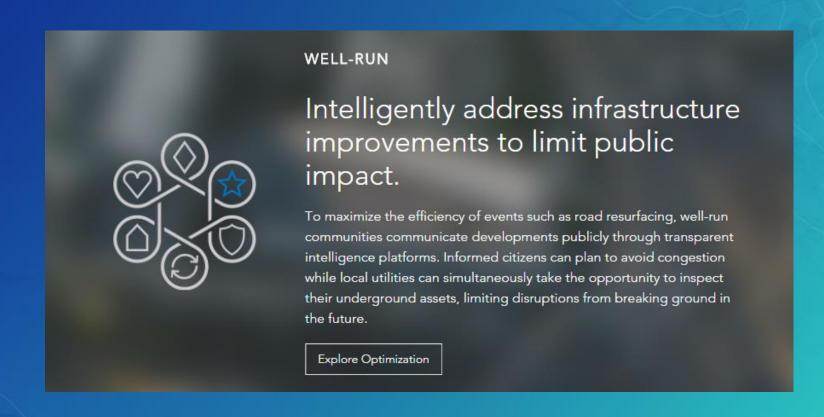
- Smart Phone
- Smart Cars
- Smart Board
- Smart Device
- Smart Sensor
- Smart Network
- Smart Grid
- Smart Growth

- Smart Schools
- Smart Government
- Smart City
- Smart County
- Smart State
- Smart Nation
- Smart World
- Smart Community

Safe



- Safe
- Well-Run



- Safe
- Well-Run
- Livable



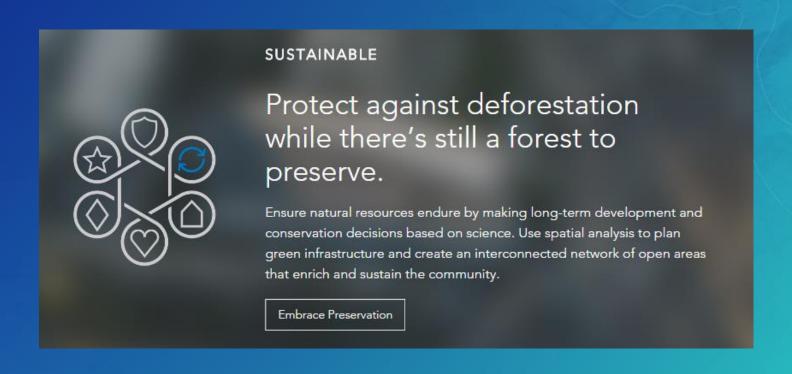
- Safe
- Well-Run
- Livable
- Healthy



- Safe
- Well-Run
- Livable
- Healthy
- Prosperous



- Safe
- Well-Run
- Livable
- Healthy
- Prosperous
- Sustainable







USE A WORLD-CLASS GIS PLATFORM



BUILD A LOCATION STRATEGY



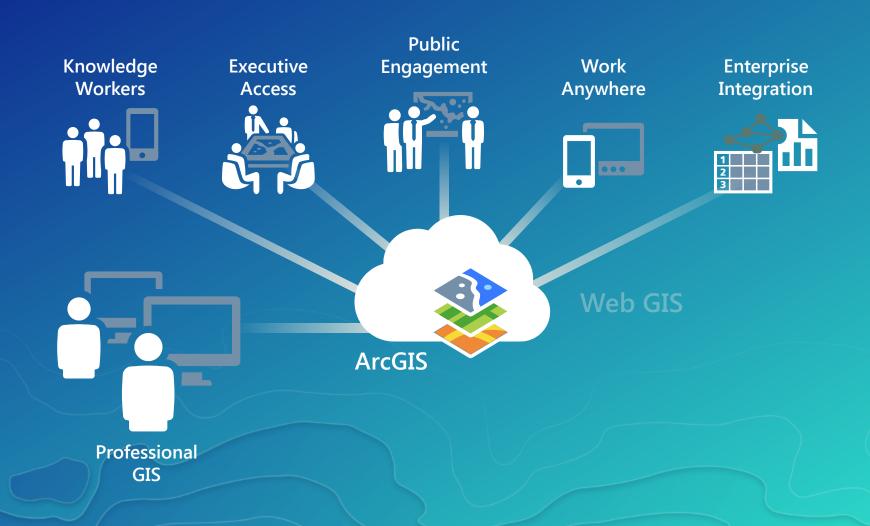
DELIVER REAL SOLUTIONS



DEVELOP STRONG PARTNERSHIPS

1. Use a World-Class GIS Platform

Making Mapping and Location-Aware Apps Available Across Your Organization



1. Use a World-Class GIS Platform

Discover, Use, Make and Share Maps from Any Device, Anywhere, Any Time





2. Build a Location Strategy

Requires Leadership and Vision

Location Enablement



Discover, use, make, and share maps at work – anywhere, anytime Constituent Engagement



Facilitate and manage communication with stakeholders

Decision Support



Inform execs and management with maps and location intelligence

Field Mobility



Get authoritative information into and out of the field **Analytics**



Describe, predict, and improve business performance Location Data Management



Collect and organize location data about your assets and resources

2. Build a Location Strategy Find Opportunities Where Location Can Add Value

	Location Enablement	Constituent Engagement	Decision Support	Field Mobility	Analytics	Location Data Management
Elections						
Emergency Management						
Fire						
Health & Human Services						
Land Records						
Law Enforcement						
Parks & Recreation						
Planning & Development						
Public Works						
Transportation						
Utilities						

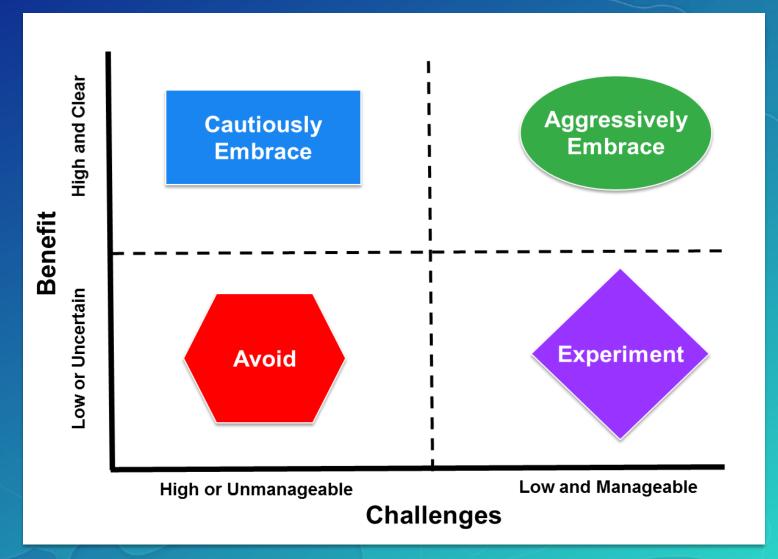
2. Build a Location Strategy Define and Measure Success

	Location Enablement	Constituent Engagement	Decision Support	Field Mobility	Analytics	Location Data Management
Elections						
Emergency Management						
Fire						
Health & Human Services						
Land Records						
Law Enforcement						
Parks & Recreation						
Planning & Development						
Public Works						
Transportation						
Utilities						

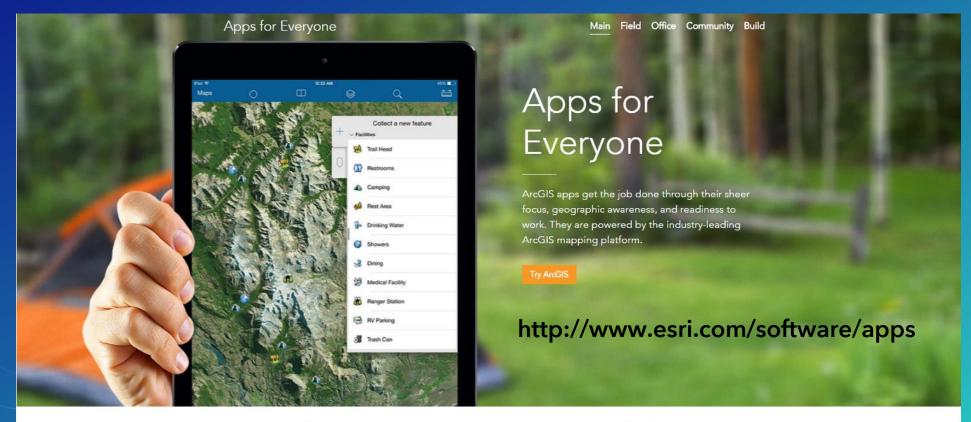
Green = Meeting Need, Yellow = Partially Meeting Need, Red = Not Meeting Need

2. Build a Location Strategy

Project Prioritization



3. Deliver Real Solutions



See what ArcGIS Apps are available



Apps for the Field



Apps for the Office



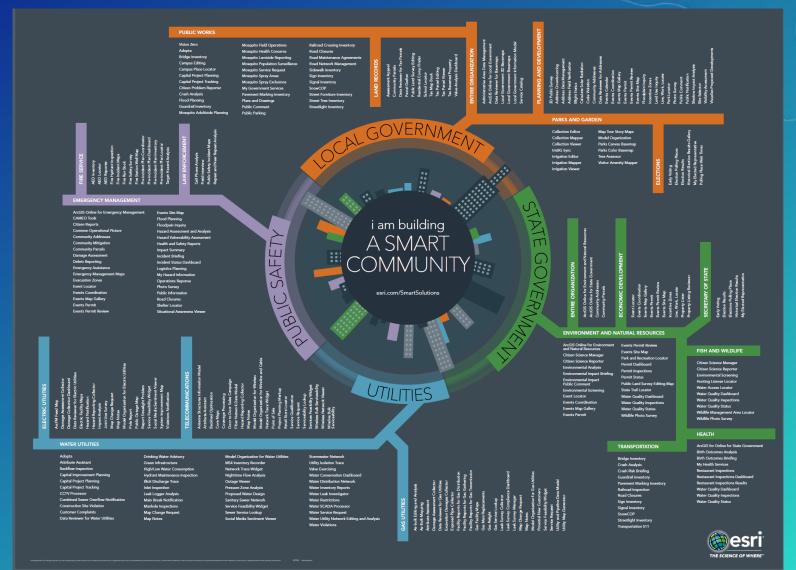
Apps for the Community



App Builders



Leverage hundreds of ready-to-use maps, apps, and platform configurations to meet your needs, delivering innovation and best practices for your organization.



- Land Records
- Utilities
- Public Works
- Fire Service
- Law Enforcement
- Emergency Management
- Planning & Development
- Elections

- Health & Human Services
- Transportation
- Economic Development
- Fish & Wildlife
- Environment & Natural Resources
- And more...

Tackle Opioid Epidemic

A collection of maps and apps used by public health and safety agencies to communicate the severity of the opioid epidemic, promote treatment alternatives, and understand the effectiveness of response activities.

Reduce Homelessness

A collection of maps and apps used by health and human services agencies to count the homeless population, inventory homeless resources, and increase awareness of homeless services.

Combat Vector Borne Diseases

A collection of maps and apps used by health and human services agencies to manage mosquito populations and combat the spread of vector-borne diseases.

3. Deliver Real Solutions



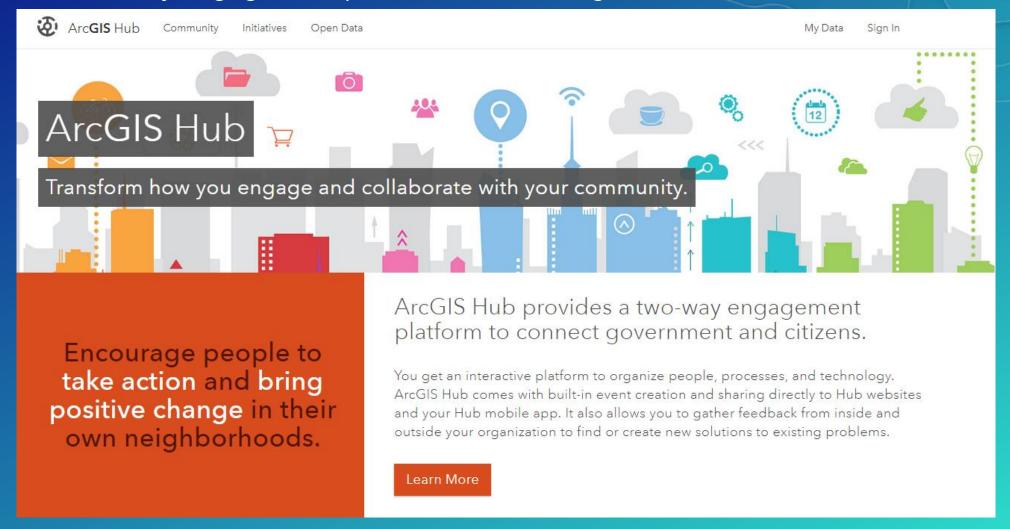


Connecting Citizens and Businesses to Your Authoritative Data

Set up a public-facing website within minutes to share your open data. ArcGIS Open Data is an Esri hosted and managed solution that is included with ArcGIS Online.

ArcGIS Hub

provides a two-way engagement platform to connect government and citizens



https://hub.arcgis.com/

ArcGIS Hub

provides a two-way engagement platform to connect government and citizens

1 2 3 4 5

Create and Launch Open Data to Work Participate Stories Scale

4. Develop Strong Partnerships Esri Team and Esri Partners

- Esri Team
 - Account Team (Manager and Solution Engineer)
 - Subject Matter Experts
 - Training Consultant
 - Workforce Development Plan
 - Technical Support
 - Premium Support
 - Professional Services
 - Packages, Rent-a-Tech, Projects
 - Esri Enterprise Advantage Program (EEAP)
- Esri Partners
 - Specialties (ArcGIS Online, ArcGIS for Local Government)
 - ArcGIS Marketplace



ArcGIS Marketplace

Discover a World of Apps, Content and Capabilities.

Partner Directory

Leverage the power of Esri Partners across the Globe

Esri partners offer the expertise you need to solve real-world problems and grow your business.

Featured

Solutions

Partners

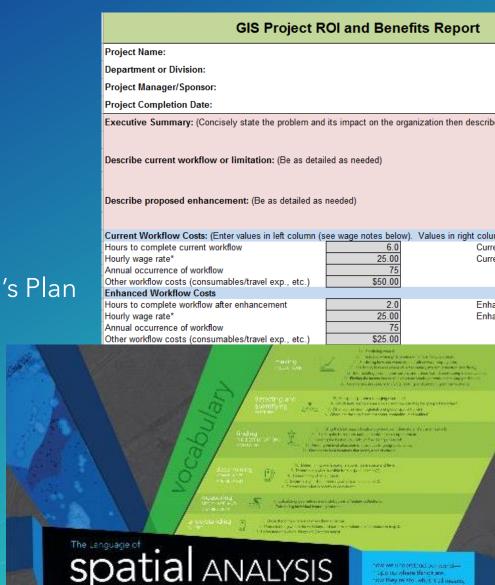


Cityworks

Managing infrastructure
consists of minimizing the total
cost of owning, operating, and
maintaining assets at
acceptable levels of service.

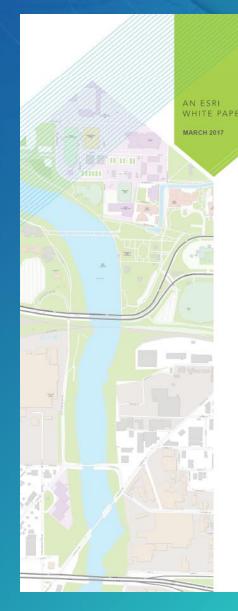
4. Develop Strong Partnerships Develop and Grow Your Internal Team

- Executive Champion(s)
 - Alleviate their Pain
 - Support their Vision
- IT Leadership
- Align the GIS Plan with the IT Plan and the Organization's Plan
- Enable collaboration and empower others
- Mindset of a GIS Consulting Firm
- Market Spatial Analysis
- Measure and document the impact (ROI)



Keys to Success Follow Best Practices

- People
- Data
- Process
- Technology



Architecting the ArcGIS Platform: **Best Practices**



380 New York Street Redlands, California 92373-8100 usa



Keys to Success

Follow Best Practices

- People
- Data
- Process
- Technology

"...whether or not our GIS implementation is successful is not a technology problem, it's a people problem..."

- Assistant City Manager



Architecting the ArcGIS Platform: Best Practices



380 New York Street Redlands, California 92373-8100 usa 909 793 2853 info@essi.com



ArcGIS Hub Sessions at the User Conference

- ArcGIS Online: Getting Started with Open Data & Initiatives in the ArcGIS Hub
 - Tu, July 11, 10:15-11:30AM, SDCC Room 14B
 - Th, July 13, 3:15-4:30PM, SDCC Room 05B
- Engaging Your Community with Open Data & ArcGIS Hub
 - Tu, July 11, 2:30-3:15PM, SDCC Demo Theater 10
 - W, July 12, 3:30-4:15PM, SDCC Demo Theater 10
- SDG Hub A Federated System for the SDGs (Sustainable Development Goals)
 - W, July 12, 9:30-10:00AM, SDCC Esri Pavilion: Sustainable World Theaterette
- The Hub A Civic Engagement Platform
 - W, July 12, 2:30-3:15PM, SDCC Envisioning Center 2 (Hall C)
 - Th, July 13, 12:30-1:15PM, SDCC Envisioning Center 2 (Hall C)
- Best Practices: Implementing Hub
 - W, July 12, 3:30-4:15PM, SDCC Demo Theater Implementing Enterprise ArcGIS
 - Th, July 13, 11:30AM-12:15PM, SDCC Demo Theater Implementing Enterprise ArcGIS



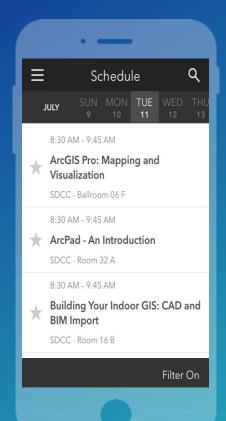
Adam Carnow acarnow@esri.com @SpatialAce

Please Take Our Survey on the Esri Events App!

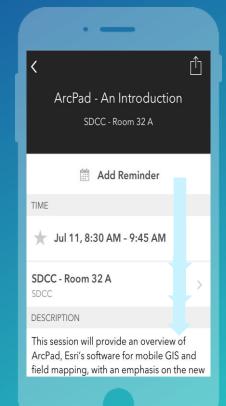
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"

