ArcGIS for State Government – An Overview

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Nikki Golding

Governments and Citizens | Domain and Disciplines

GIS Connects all

Requires More than Technology

- Vision and Leadership
- Alignment of GIS with Organizational Mission
- Planning and Governance
- Willingness to evolve business processes
- Business systems that produce meaningful information products
- Good People

6 Transformational Trends in Government

1. Demographics shifts are impacting the workforce
2. Need to replace legacy business systems
3. Rapid technology advances
4. Standardization of business practices
5. Maps as a framework for communication and understanding
6. Challenges attracting and retaining talent

The 'Silver Tsunami' Has Arrived in Government

The Billion Dollar Crisis in Outdated Government Technology

D.C. moves to replace its outdated tax payment system

World's population increasingly urban with more than half living in urban areas

Unstable, Outdated Systems

- Hard to maintain
- Not sustainable
- Hard to find skilled support
- Expensive
- Lack modern capabilities
- Often tied to individuals or 3rd parties for support

Trends Influencing Government

McKinsey and Company

#1 Mobile Internet
Increasingly inexpensive and capable mobile computing devices and internet connectivity

#2 Automation of knowledge work
Intelligent software systems that can perform knowledge-work tasks

#3 Internet of Things
Networks of low-cost sensors and actuators for data collection, monitoring, decision making, and process optimization

#4 Cloud
Use of computer hardware and software resources to deliver services over the internet or network

#5 Advanced robotics
Increasingly capable robots with enhanced sensors, dexterity, and intelligence; used to automate many tasks

Web GIS Empowers Everyone in Your Organization

To Discover, Use, Make, and Share Maps from Any Device, Anywhere, Anytime

…Making it Easy for Everyone to See
How Geography Influences Their Decisions

150 +

BACKFLOW INSPECTION
CAPITAL IMPROVEMENT PLANNING
CAPITAL PROJECTS
CHANGE REQUEST
COMBINED SEWER OVERFLOW
DATA REVIEWER FOR WATER
UTILITIES
DRINKING WATER ADVISORY
FIRE HYDRANT INSPECTION
GREEN INFRASTRUCTURE
INLET INSPECTION
MAP NOTE
MOBILE MAP
NETWORK EDITING
PAVEMENT
COORDINATION
PROPOSED WATER DESIGN
PUBLIC INFORMATION CENTER
SANITARY SEWER NETWORK MAP
SEWER SERVICE LOOKUP
SOCIAL MEDIA SENTIMENT
STORMWATER NETWORK MAP
UTILITY ISOLATION TRACE
VALVE EXERCISE
WATER CONSERVATION
DASHBOARD
WATER DISTRIBUTION NETWORK
MAP
WATER MAIN LEAK AND BREAK

RESPONSE
WATERING VIOLATIONS
CROSSING INSPECTION
ROAD CLOSURES
BRIDGE INVENTORY
ENVIRONMENTAL IMPACT
BEACH MONITORING
WATER QUALITY MONITORING
RESTAURANT INSPECTION
RESTAURANT INSPECTION RESULTS
MY HEALTH SERVICES
BIRTH OUTCOMES
MODEL ORGANIZATION
CODE VIOLATIONS
COMMUNITY PLANNING
LAND USE PUBLIC COMMENT
LAND USE PUBLIC NOTIFICATION
PARK AND RECREATION FINDER
FLOOD PLANNING
SPECIAL EVENT PLANNING
EMERGENCY ASSISTANCE
EVACUATION ZONES
ROAD CLOSURES
DAMAGE ASSESSMENT
MY HAZARD INFORMATION
EM MAPS
MODEL ORGANIZATION
AED INVENTORY
FIRE HYDRANT INSPECTION

FIRE RUN BOOK
FIRE SAFETY SURVEY
FIRE STATION WALL MAP
PRE-INCIDENT PLANNING
SPECIAL EVENT PLANNING
TARGET HAZARD MAPPING
PERMIT PROCESSING DASHBOARD
PERMIT EXPIRATION DASHBOARD
PERMIT STATUS
PERMIT INSPECTION
HUNTING LICENSE LOCATOR
WATER ACCESS LOCATOR
WILDLIFE MANAGEMENT AREA
LOCATOR
ENVIRONMENTAL IMPACT
ASSESSMENT
TRAIL LOCATOR
MODEL ORGANIZATION
CELL PHONE ANALYSIS
FIELD INTERVIEW
PRE-INCIDENT PLANNING
PUBLIC SAFETY INCIDENT MAPS
SPECIAL EVENT PLANNING
COMMON OPERATIONAL PICTURE
SPECIAL EVENT PLANNING
FLOOD PLANNING
INCIDENT BRIEFING MAP
LOCAL IMPACT MAP
DAMAGE ASSESSMENT

MY HAZARD INFORMATION
EMERGENCY MANAGEMENT MAPS
ELECTION POLLING PLACES
ELECTION RESULTS VIEWER
ADDRESS DATA MANAGEMENT
COMMUNITY ADDRESSING
COMMUNITY PARCELS
DATA REVIEWER FOR ADDRESSES
DATA REVIEWER FOR TAX PARCELS
DEED DRAFTER
PARCEL VALUE FOR IOS
TAX MAP
TAX PARCEL VIEWER
VALUE PROPERTY
VALUATION DASHBOARD
EXECUTIVE DASHBOARD
BRIEFING BOOK
COMMUNITY PARCELS
COMMUNITY ADDRESSES
MAPS AND APPS GALLERY
CROWDSOURCING APPS
SERVICE
MODEL ORGANIZATION
BRIDGE INVENTORY
CAMPUS EDITING
CAMPUS PLACE FINDER
CITIZEN SERVICE REQUEST
MY GOVERNMENT SERVICES
ROAD NETWORK MANAGEMENT

PLANS AND DRAWINGS
PUBLIC PARKING
ROAD CLOSURES
ROAD MAINTENANCE AGREEMENT
SIDEWALK INVENTORY
SIGNAL INVENTORY
SIGN INVENTORY
SNOW COP
STREETLIGHT INVENTORY
LIVE, WORK, AND LOCATE
INCENTIVE ZONES
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INLET INSPECTION
MAP NOTE

Transportation

- Railroad Crossing Inspection
- Road Closures
- Bridge Inventory
- Environmental Screening
- Crash Analysis
- Guardrail Inventory
- Pavement Marking Inventory
- Sign Inventory
- Signal Inventory
- Transportation 511
- Crash Risks Briefing

Public Health

- Beach Monitoring
- Water Quality Monitoring
- Restaurant Inspection
- Restaurant Inspection Results
- My Health Services
- Birth Outcomes
- Birth Outcomes Briefing
- Model Organization

Secretary of State

- Early Voting
- Polling Place Locator
- Election Results
- My Elected Representative
- Historical Elections Results

Emergency Management

- Situational Awareness Viewer
- Flood Planning
- Community Events
- Community Mitigation
- Emergency Assistance
- Evacuation Zones
- Road Closures
- Damage Assessment
- My Hazard Information
- EM Maps
- Model Organization
- Briefing Book
- Citizen Reports
- Common Operational Picture
- Incident Analysis Viewer
- Operations Response
- Photo Survey
- Shelter Locator
- Public Information Map
- Local Impact Map
- Road Closures
- CAMEO Tools
- Incident Briefing
- Health and Safety Reports
- Debris Reporting
- Floodplain Inquiry
- Emergency Assistance
- Evacuation Zone
- Incident Status Dashboard
- Logistics Planning
- Hazard Vulnerability Assessment

Environment and Fish and Wildlife

- Permit Status
- Permit Inspection
- Permit Dashboard
- Hunting License Locator
- Water Access Locator
- Wildlife Management Area Locator
- Environmental Screening
- Environmental Impact Analysis
- Environmental Impact Polling
- Trail Locator
- Citizen Science Reporter
- Citizen Science Manager
- Model Organization
- Impact Briefing
- Water Quality Inspections
- Water Quality Results
- Park and Recreation Locator
- Community Events
- Wildlife Photo Survey

Economic Development

- Live, Work, and Locate
- Incentive Zones
- Site Selector
- Event Locator

GIS/IT

- Executive Dashboard
- Community Parcels
- Community Addresses
- Maps and Apps Gallery
- Crowdsource Manager
- Crowdsource Polling
- Crowdsource Reporter
- Service Catalog/Hosted Services
- Model Organization
- PLSS

ArcGIS for State Government

Environmental Screening

State of Nebraska

Live, Work, Locate

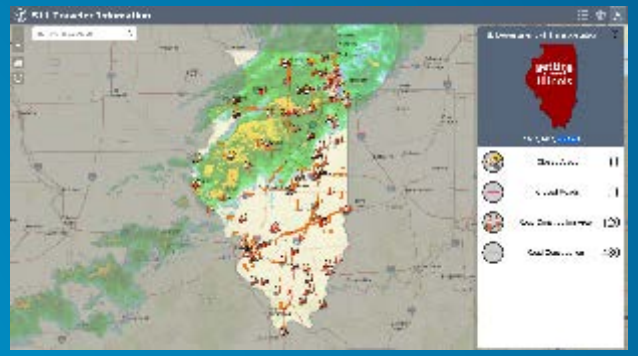
State of Maryland

Incentive Zones

State of Maryland

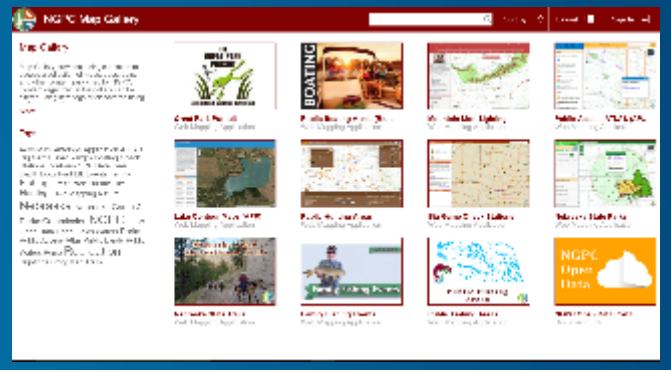
Community Aggregation

State of Wisconsin, New Mexico, Kansas, Michigan, Washington ...



Transportation 511

State of Illinois



Fish and Wildlife

State of Nebraska

Implementations

Solutions for Government!

State Government Maps and Apps

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ArcGIS for State Government

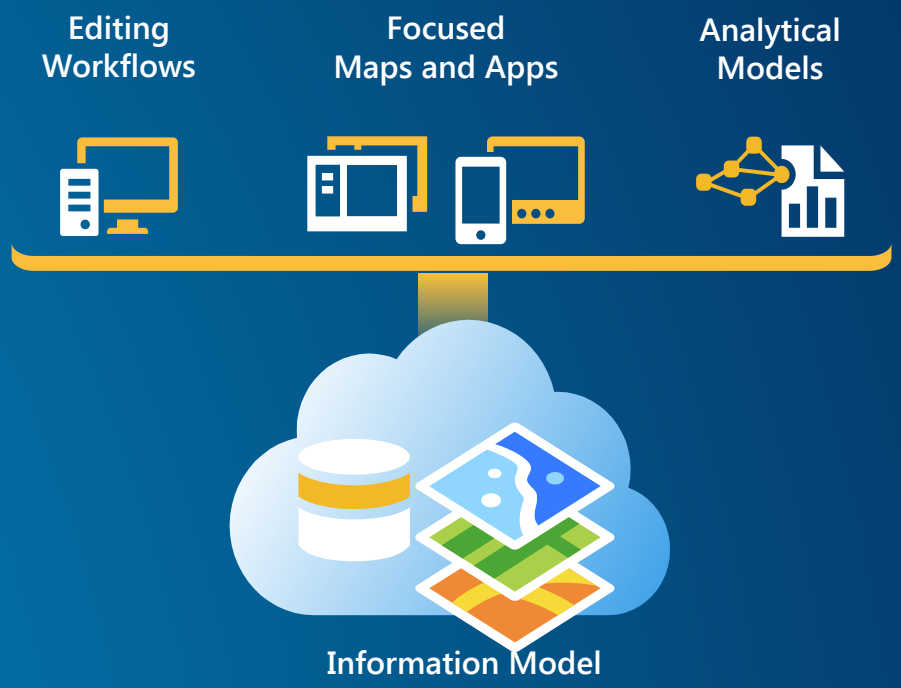
Value

- Provides governments with a capability roadmap – Strategic Plan for Standard Capabilities
- Improves **service delivery** and projects an **image of innovation** by increasing the cadence of app and solution deployment
- Free's time for staff to deliver solutions for complex or unique
- Saves you money, people and time by providing sustainable implementations with lower cost of ownership
- Provides you with the solutions you need to deliver value to internal and external constituents
- Tangible and Implementable Components of Smart Community thinking

ArcGIS for State Government

Esri solutions for local government customers

- Series of useful maps and apps focused on local government work
  - Configurable and extensible
  - Freely available and fully supported
- Community of users
  - Best Practices / Implementation Support
- Network of Esri Services and Partner offerings
  - Help users implement, sustain and enhance

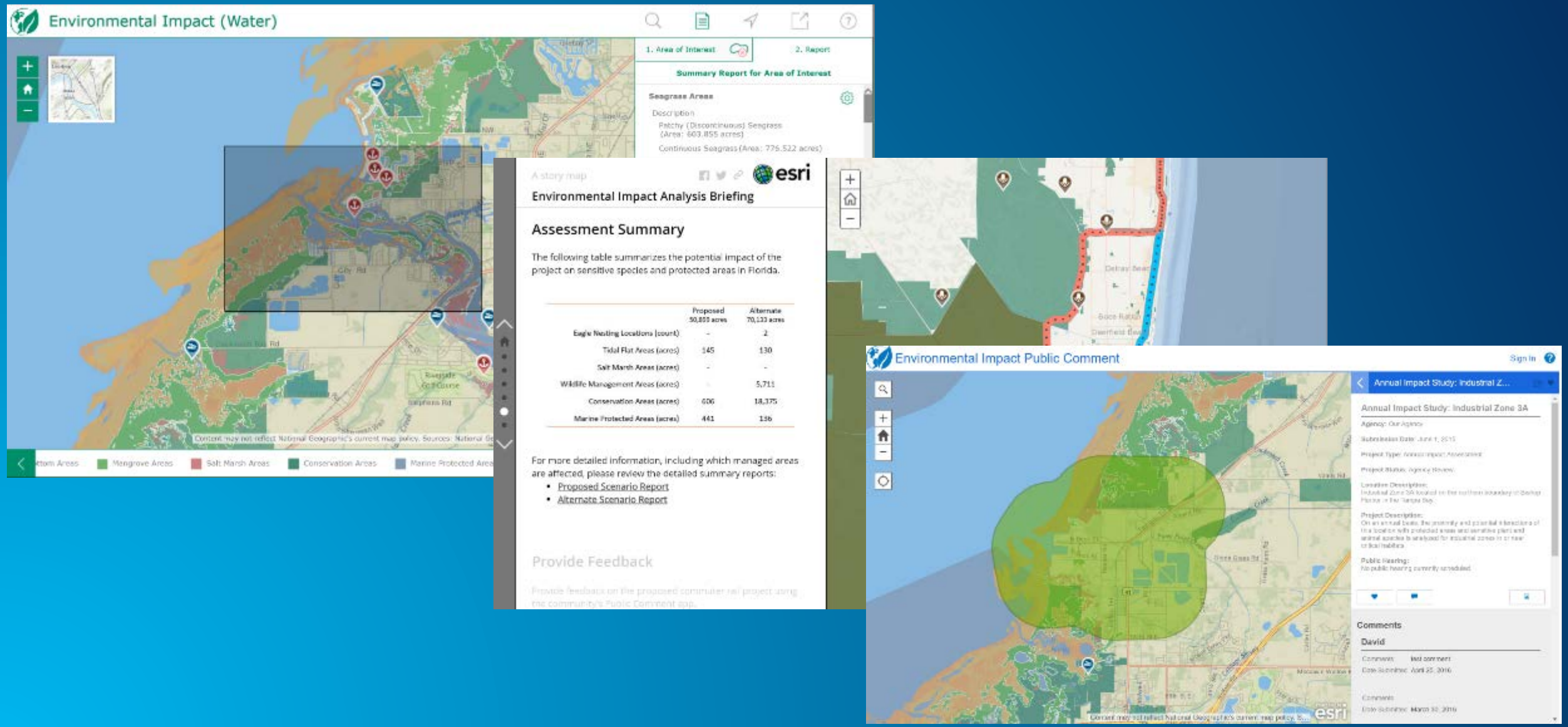


.....Available on-premise or in the cloud

Our Mission ▶ To help you…

Environmental Impact

A collection of applications to support project review



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ArcGIS for State Government

Road Ahead

Environment and Natural Resources

- Wildlife Identification, Invasive Species Mapping, Park Infrastructure/Facilities, Land Ownership/Leasing, NEPA Citizen Notification

Economic Development

- Property Registration, Event Registration

Health

- Restaurant Inspections (New config)
- Well and Septic Inspections

Emergency Management

- Logistics and Infrastructure Dashboard, Emergency Management Maps , Humanitarian Solutions , Disaster Resilience and Capacity (DFID, FEMA), Community Impact Assessment, Critical Infrastructure Mapping , Watch Officer Dashboard, 3D Situational Awareness

GIS/IT

- PLSS
- Community Boundaries
- Executive Dashboard

- Implementation across new ArcGIS offerings

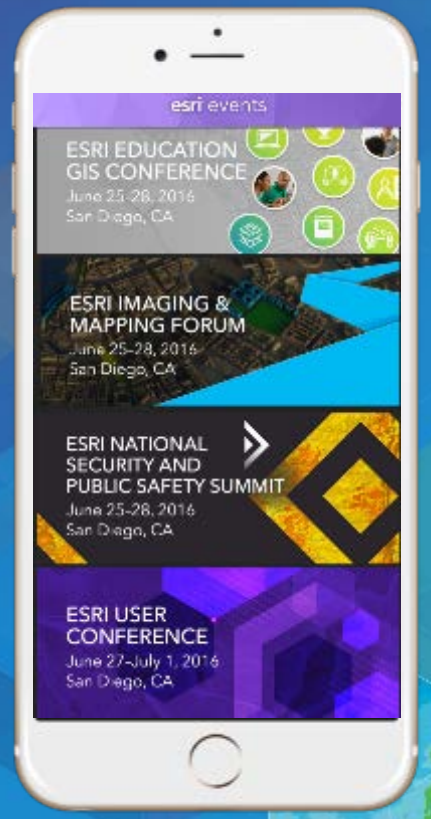
UC Events

- Thirteen State and Local Government Technical Workshops
- Demo Theaters
  - Solutions
  - Public Safety
  - Government Neighborhood
- Local Government SIG
  - Wednesday @Noon
- State and Local Social
  - Wednesday @530
- Government Neighborhood
  - Solutions Area

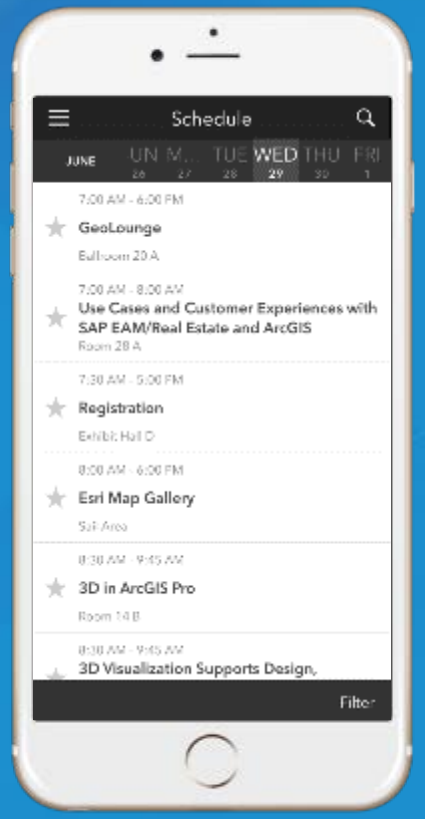
Please take our Survey

Your feedback allows us to help maintain high standards and to help presenters

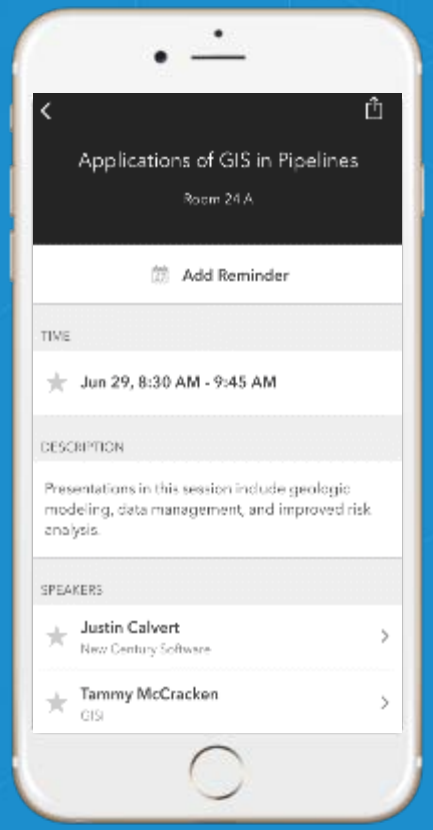
Find your event in the Esri Events App



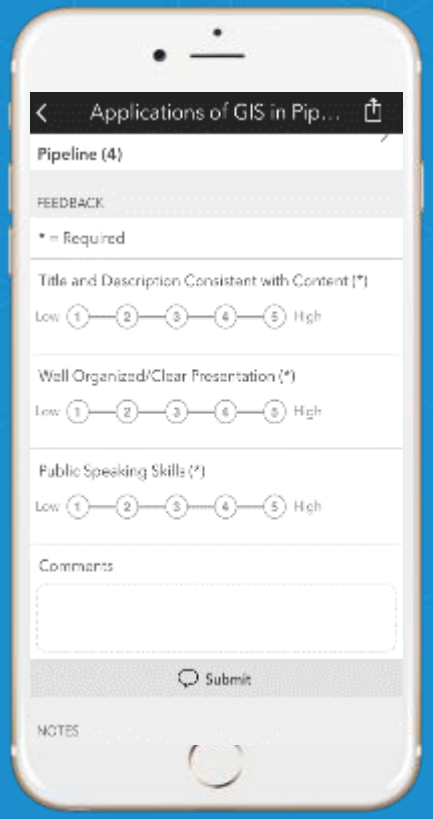
Find the session you want to review



Scroll down to the bottom of the session



Answer survey questions and submit



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Thank you!

esri®