



Advancements in Community and Economic Development

Keith Cooke

An abstract graphic on the right side of the slide, composed of various geometric shapes like rectangles and lines in shades of blue, orange, and green. Some shapes contain patterns like topographic contour lines or a grid of dots.

**GIS
INSPIRING
WHAT'S
NEXT**

Agenda

- Why GIS as a System of Systems Matters
- GIS as a System of Record, Insight, and Engagement in Community Development
- The Road Ahead

Common Patterns of Use of GIS

Mapping & Visualization



Understand locations and relationships with maps and visual representations

Data Management



Collect, organize, and maintain accurate locations and details about assets and resources

Field Mobility



Manage and enable a mobile workforce to collect and access information in the field

Monitoring



Track, manage, and monitor assets and resources in real-time

Analytics



Discover, quantify, and predict trends and patterns to improve outcomes

Design & Planning



Evaluate alternative solutions and create optimal designs

Decision Support



Gain situational awareness, and enable information-driven decision making

Constituent Engagement



Communicate and collaborate with citizens and external communities of interest

Sharing & Collaboration

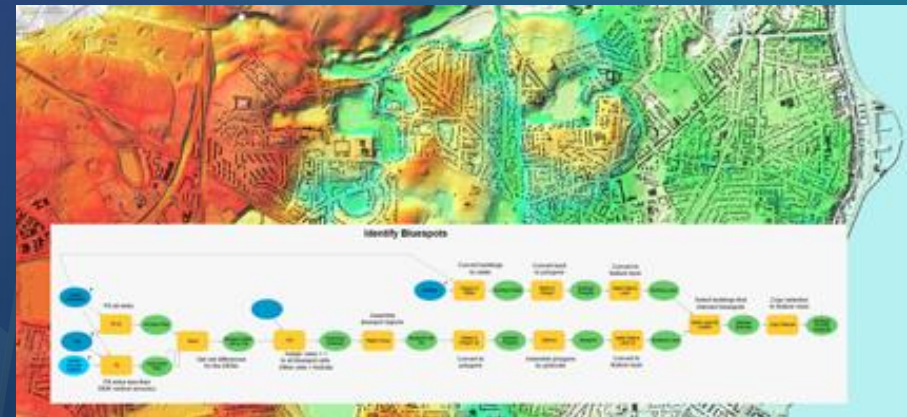
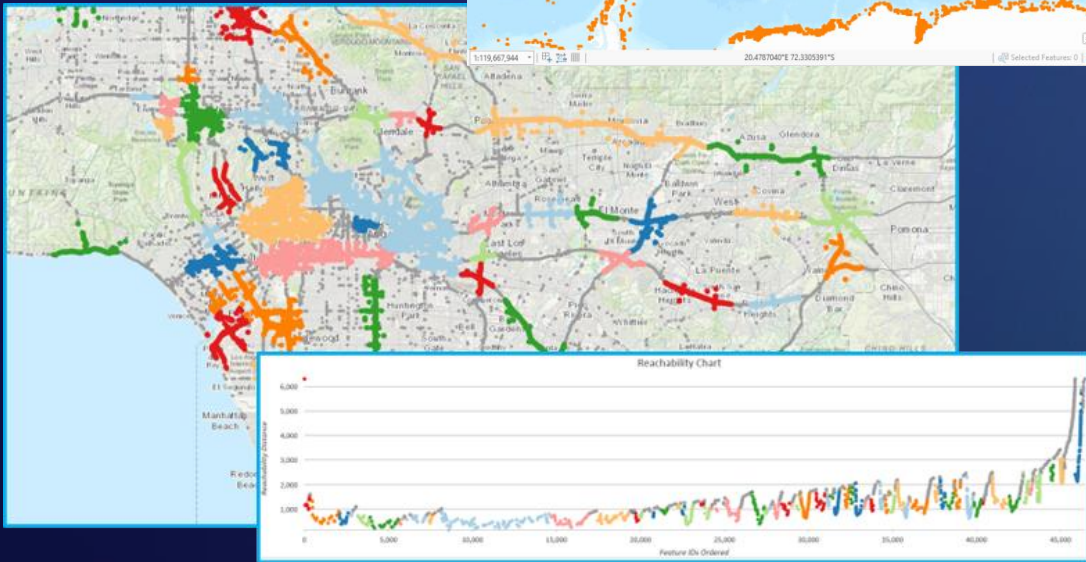
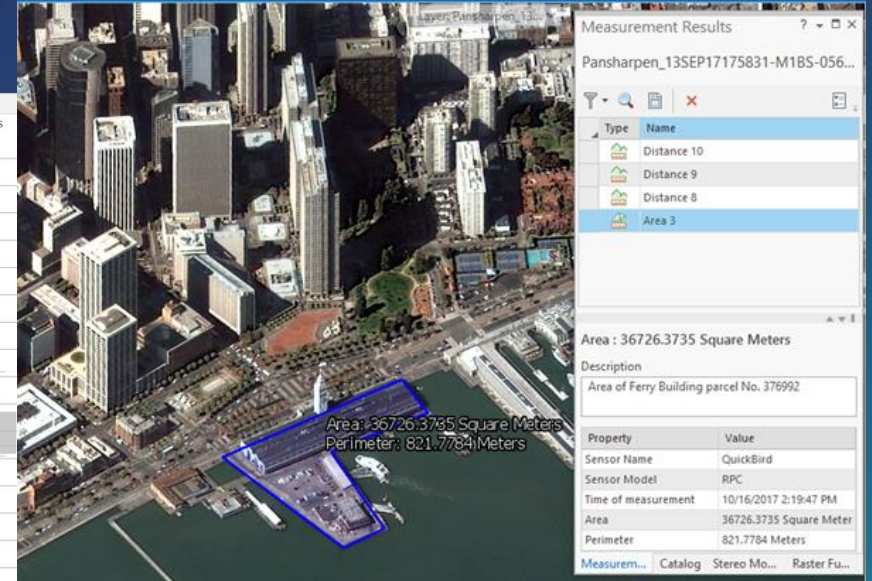
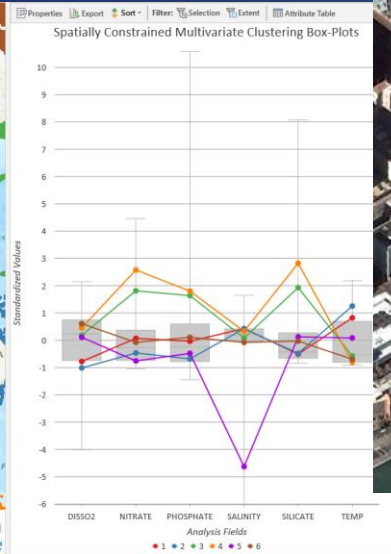
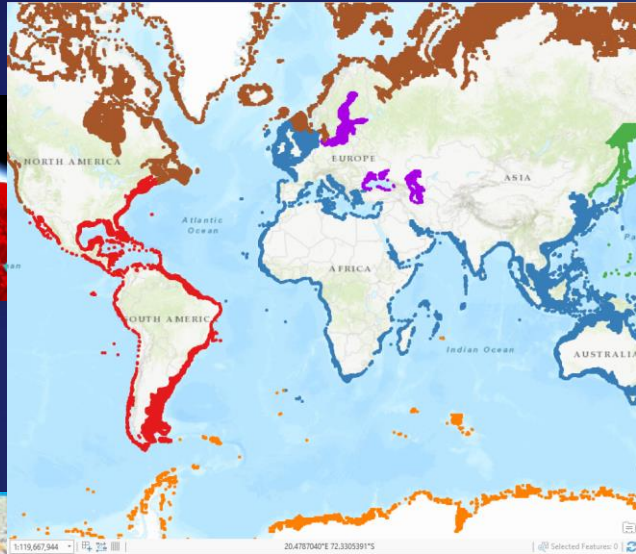


Empower everyone to easily discover, use, make, and share geographic information

GIS as a System of Record



GIS as a System of Insight



GIS as a System of Engagement



GIS is a System of Systems

GIS

The diagram features a central, wavy, golden-brown ribbon that splits into three distinct paths extending towards the right. The top path is labeled 'System of Engagement', the middle path is labeled 'System of Insight', and the bottom path is labeled 'System of Record'. The background is a gradient of blue and green, with a dark blue header at the top.

System of Engagement

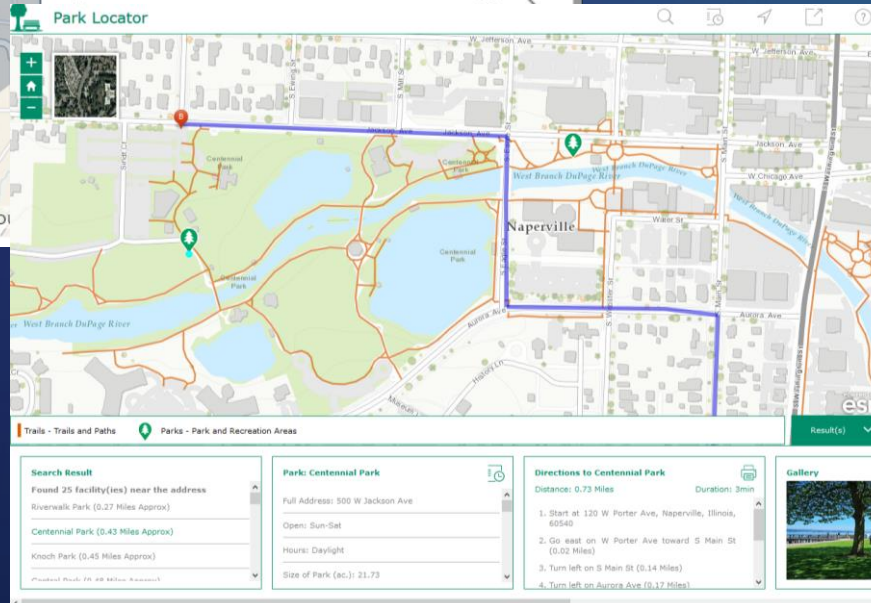
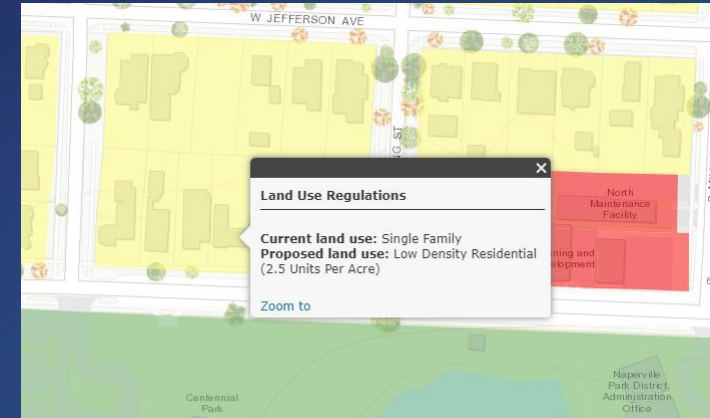
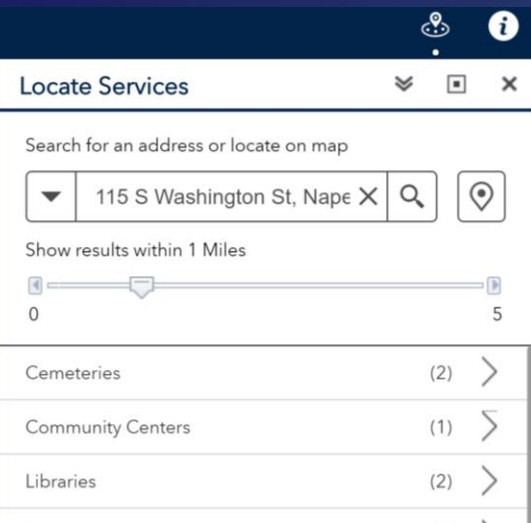
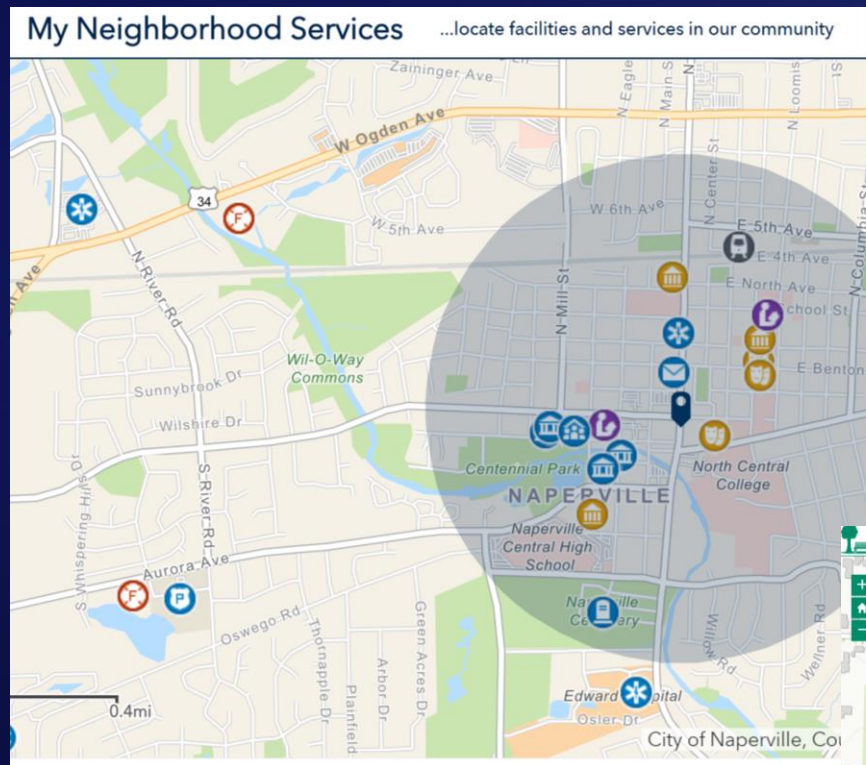
System of Insight

System of Record

GIS is a System of Systems



System of Record for Community and Economic Development



714404009	De Lacey Ronald	1129 Candlenut Dr	Naperville IL	60540
714403008	Damore Phillip A	109 Longleaf Dr	Naperville IL	60540
714403010	Green William F & Dawn	1201 Candlenut Dr	Naperville IL	60540
714403002	Kubatzki Thomas G	112 Pepperidge Rd	Naperville IL	60540
714205015	Belle S Richard & K A	1203 Hidden Spring Dr	Naperville IL	60540
714205012	Morrison Neil M	1209 Hidden Springs	Naperville IL	60540
714207015	Maiorano Carmen R & N M	1131 Laureli Cir	Naperville IL	60540
714205021	Kapraun Dennis	1127 Hidden Spring Dr	Naperville IL	60540
714205017	Qunell Lucille H	603 Rymer Way	Louisville KY	40223
714207002	Marshall David &kathleen	1132 Hidden Springs	Naperville IL	60540
714207014	Sprague Thomas & Mary	204 Longleaf Dr	Naperville IL	60540
714206003	Livanos Maria T	207 Longleaf Dr	Naperville IL	60540
714404012	O'Neill John & Margaret	1117 Candlenut Dr	Naperville IL	60540
714404007	Murashige Danl & Shu	100 Longleaf Dr	Naperville IL	60540
714207005	Clarke Troy & Jean	1124 Hidden Spring Dr	Naperville IL	60540
714207003	Szilagyi Bernard & Renee	1130 Hidden Spring Dr	Naperville IL	60540

- My Neighborhood Services
- Land Use Inquiry
- Public Notification
- Park Locator
- Incentive Zones
- Live, Work, Locate
- Floodplain Inquiry
- Code Violation


System of Engagement for Community and Economic Development



2018 Report to the Community

Survey123
for ArcGIS

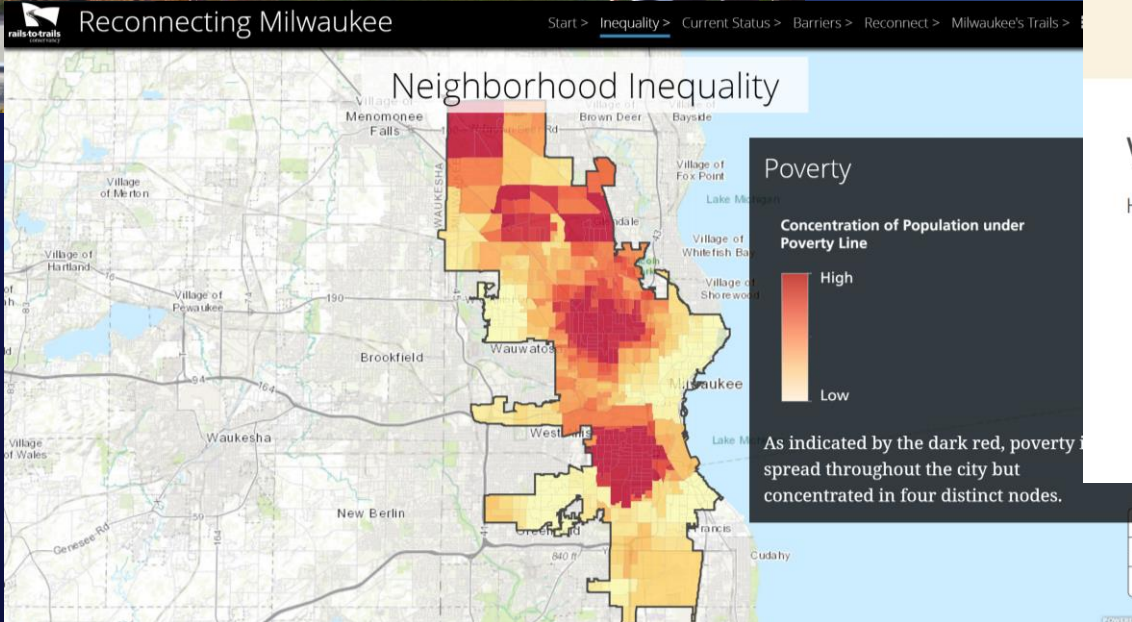
Esri Community Development



Intro

Everyone has a story to tell and we are sharing a particular policy that we will be sharing.

[Go to the Data](#)

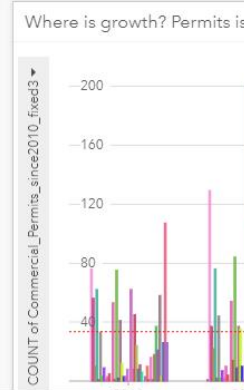
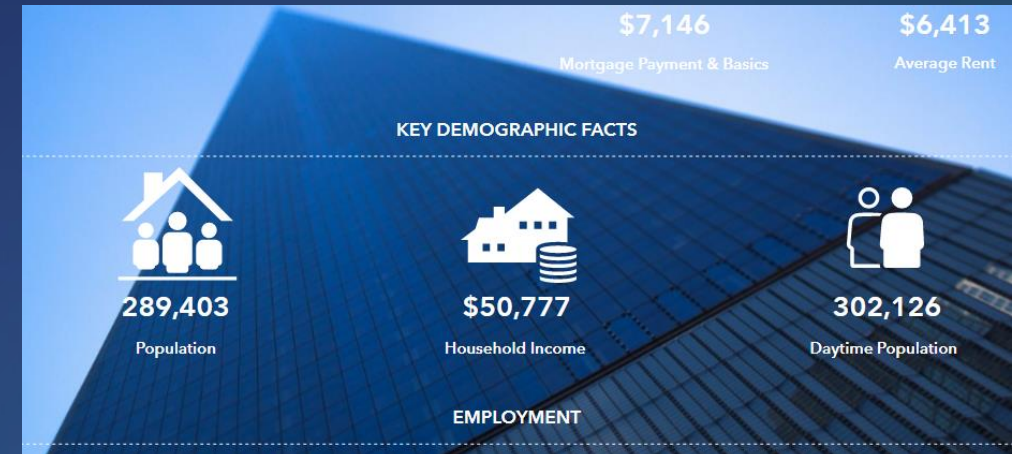
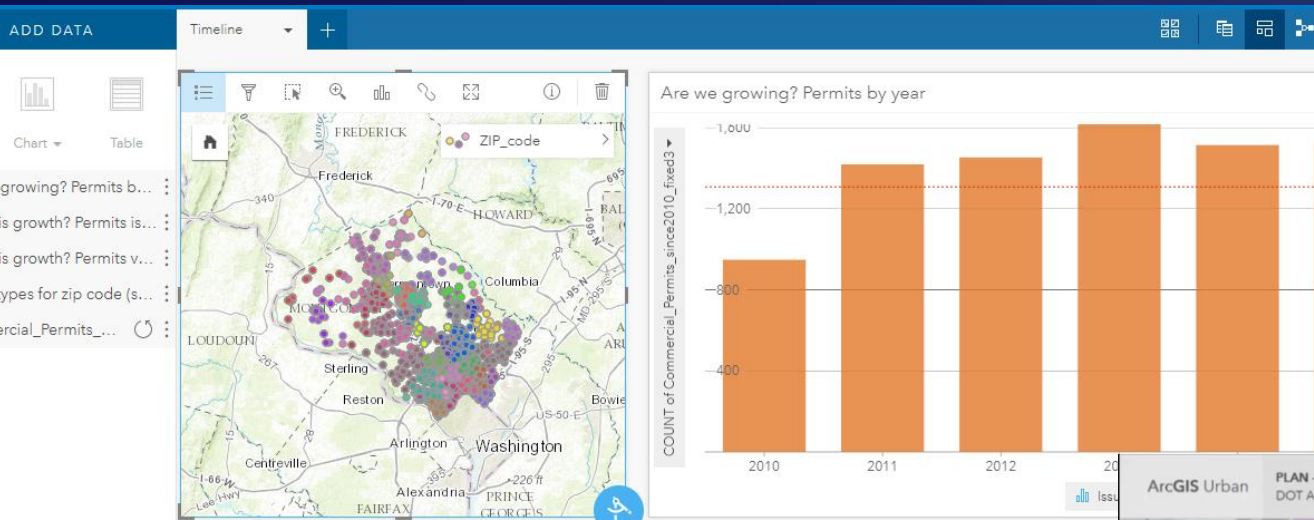


Where We're Going

Here are the next steps and how we need your help to improve this data:



System of Insight for Community and Economic Development



ArcGIS Supports a Modern Planning Department

**Develop Partnership
with the Community**

**Prioritize Resilience
Planning**

**Track and Evaluate
Current Planning
Projects**

**Support Economic
Growth**

**Support Long-Range
Planning Initiatives**



A Modern Community Development Solution

Delivering a complete GIS for Planning and Community Development

Track and Evaluate Current Planning Projects

- Review, Visualize and Analyze Proposed Development
- Streamline Permitting and Review Workflows
- Support Digital Plan Submission
- Conduct Code Enforcement & Site Inspections
- Perform Land Use Inquiry and Assessment
- Measure Green Infrastructure Impact
- Report on Building Activity and Code Violations



A Modern Community Development Solution

Delivering a complete GIS for Planning and Community Development

Support Long-Range Planning Initiatives

- Establish Data and Plan Foundations
- Develop and Model Land Use Scenarios
- Generate Environmental Impact Analysis
- Evaluate 3D Buildout Analysis
- Modernize Zoning Ordinances
- Asset, Resource, and Quality of Life Assessment



A Modern Community Development Solution

Delivering a complete GIS for Planning and Community Development

Develop Partnership with the Community

- **Inform Public About Priority Initiatives for Comprehensive Planning, Development Reviews, and Special Projects**
- **Launch Open Data Portal & Encourage Public Input**
- **Establish Public Notification and Monitor Opinions**
- **Conduct Project-Focused Public Surveys**
- **Support Charrette Activities**



A Modern Community Development Solution

Delivering a complete GIS for Planning and Community Development

Prioritize Resilience Planning

- **Assess Conservation and Preservation Activities**
- **Manage Acute Shocks & Mitigate Chronic Stresses**
- **Support Economic Sustainability Planning**
- **Promote Social Equity & Healthy Communities**
- **Analyze Green Infrastructure Impact**
- **Blight Remediation & Neighborhood Stabilization**
- **Establish Measurable Indicators**



A Modern Community Development Solution

Delivering a complete GIS for Planning and Community Development

Support Economic Growth

- Stimulate BRE Efforts
- Attract New Investments
- Promote Destination Branding
- Manage Community Events

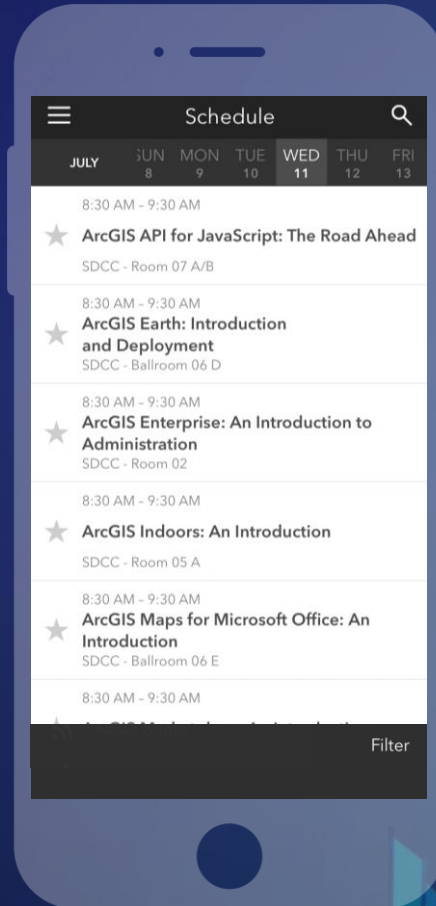


Please Take Our Survey on the App

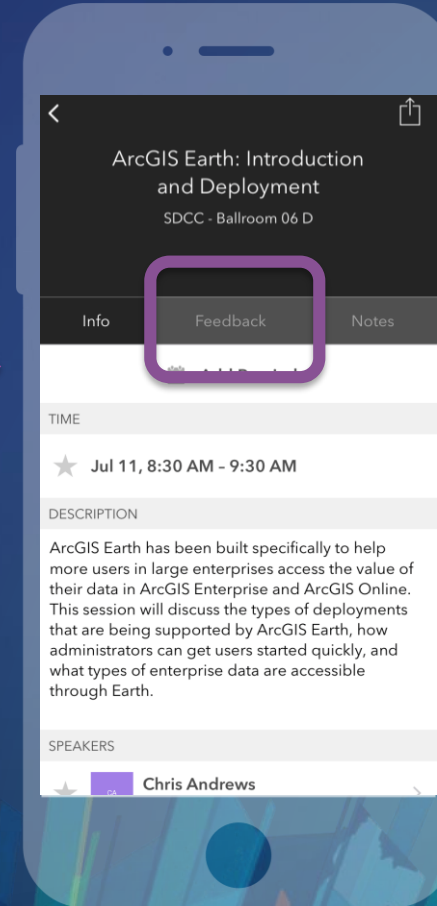
Download the Esri Events app and find your event



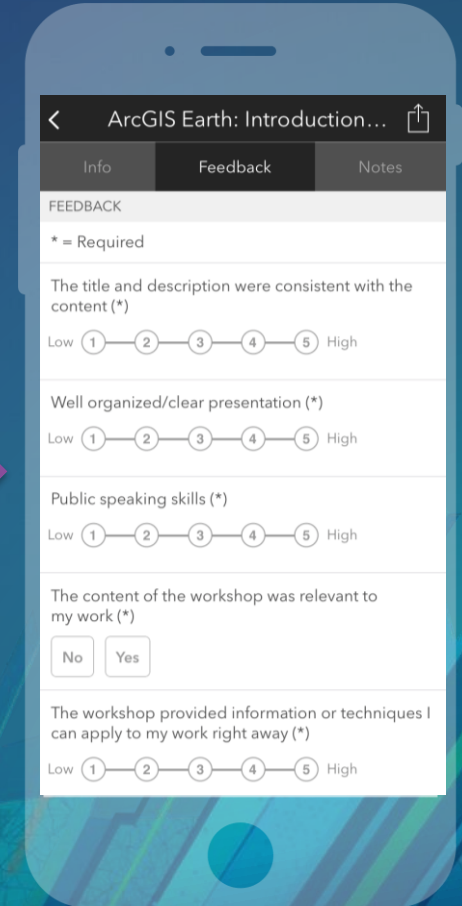
Select the session you attended



Scroll down to find the feedback section



Complete answers and select "Submit"



Thank You!

Keith Cooke

kcooke@esri.com

@RKeithCooke



esri

THE
SCIENCE
OF
WHERE