How Web GIS Changed the Modern Role of GIS in Today's Planning Department

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Esri

A Modern Community Development Solution

Delivering a complete GIS for Planning and Community Development

Develop Partnership with the Community

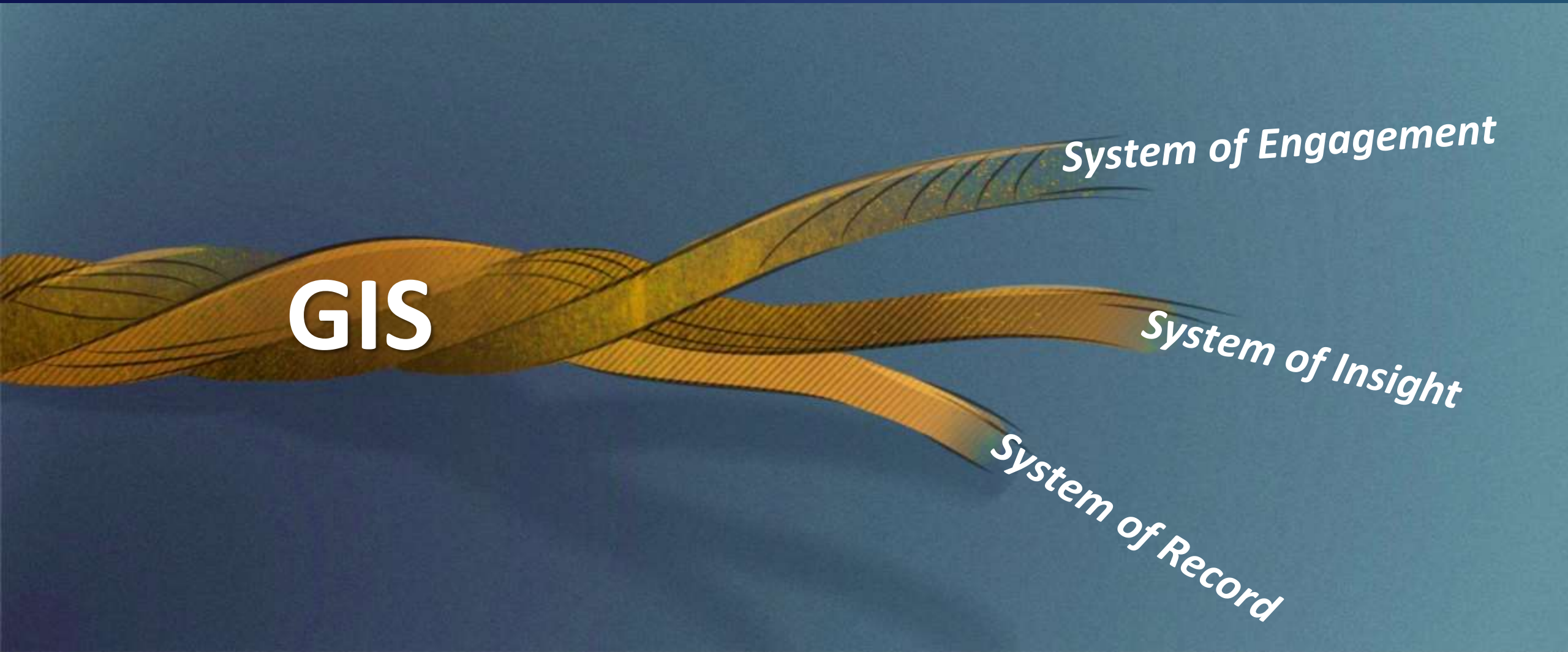
Track and Evaluate Current Planning Projects

Prioritize Resilience Planning

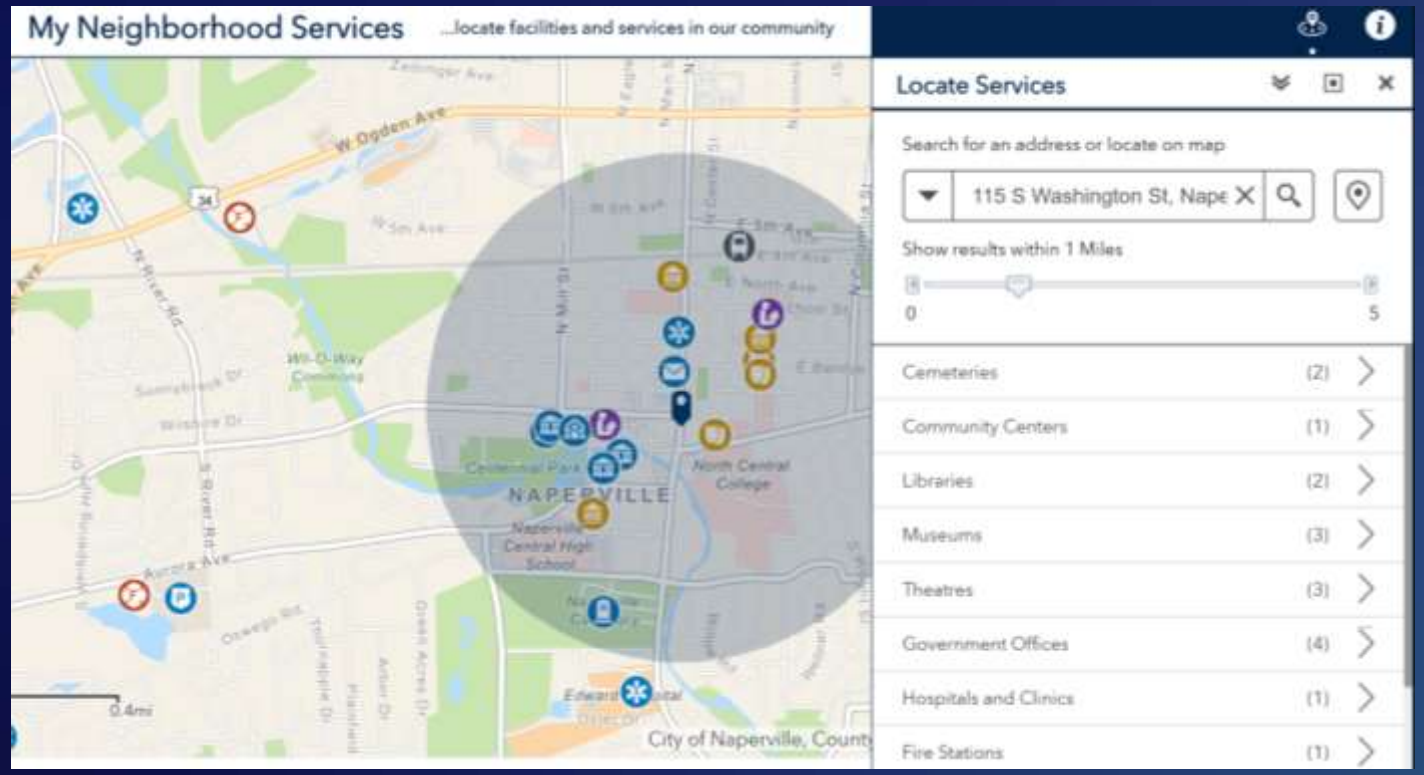
Support Long-Range Planning Initiatives

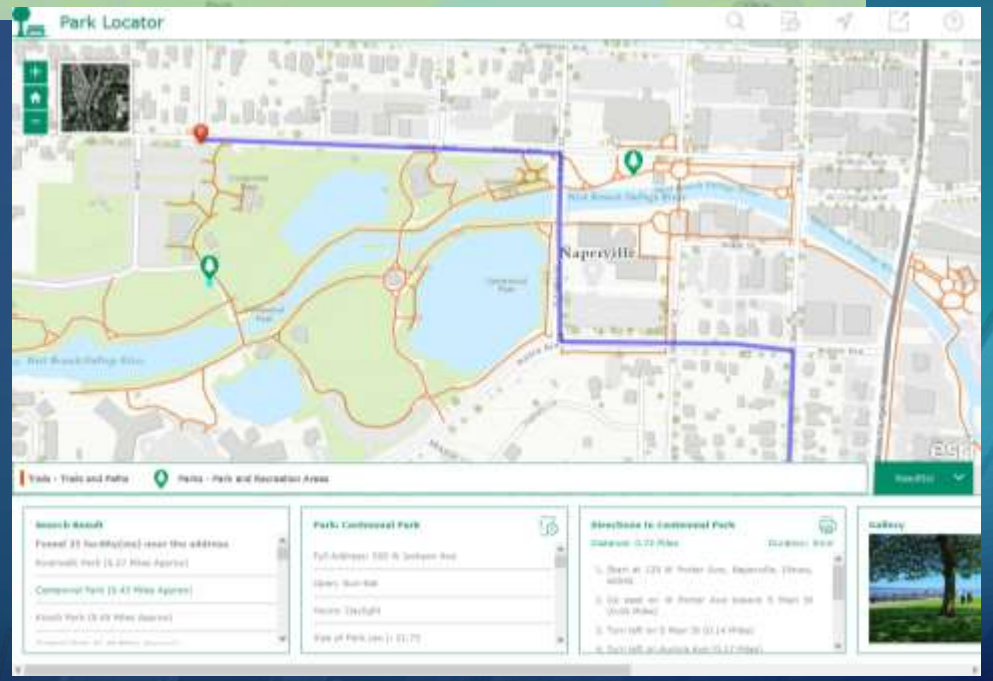
Stimulate Economic Growth

GIS is a System of Systems



System of Record for Community and Economic Development





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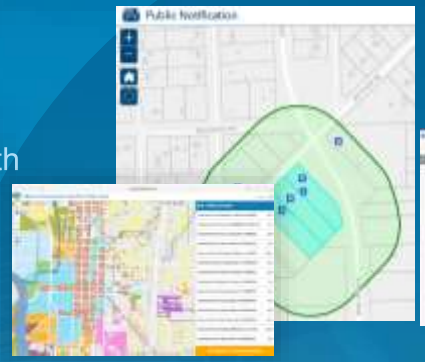
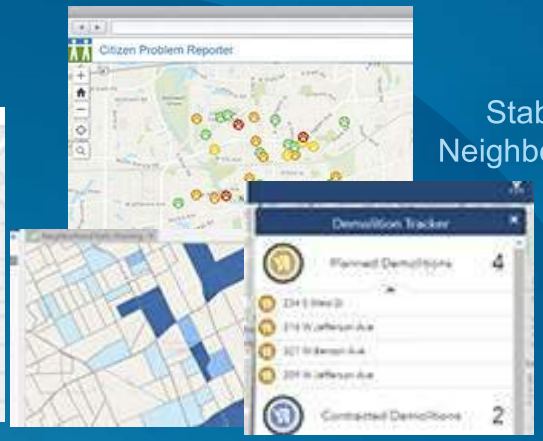
714403002 Kubatzki Thomas G	112 Pepperidge Rd	Naperville IL	60540
714205015 Belle 5 Richard & K A	1203 Hidden Spring Dr	Naperville IL	60540
714205012 Morrison Neil M	1209 Hidden Springs	Naperville IL	60540
714207015 Maiorano Carmen R & N M	1131 Laureli Cir	Naperville IL	60540
714205021 Kapraun Dennis	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 Dani & 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

ArcGIS Solutions | Industry-Specific Apps, Maps, and Tools . . . Extending Your GIS

Planning and Community Development Solution Components

Encourage Orderly Growth





Stabilize Neighborhoods

- Popular (500K Downloads)
- Extensive (450+)
- Open Source
- Fully Supported

Promote Vibrant Economies

Review Proposed Developments

Tools

Data Models

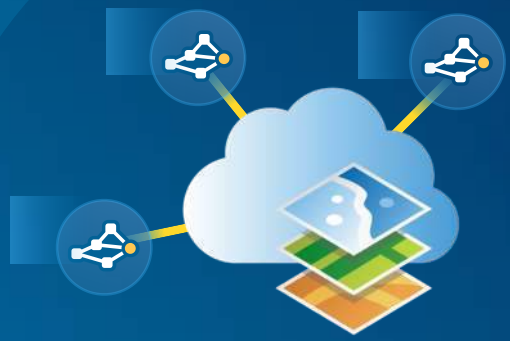
Apps Workflows

Maps

Widgets Add-Ins

Dashboards

Solution Configurations



New

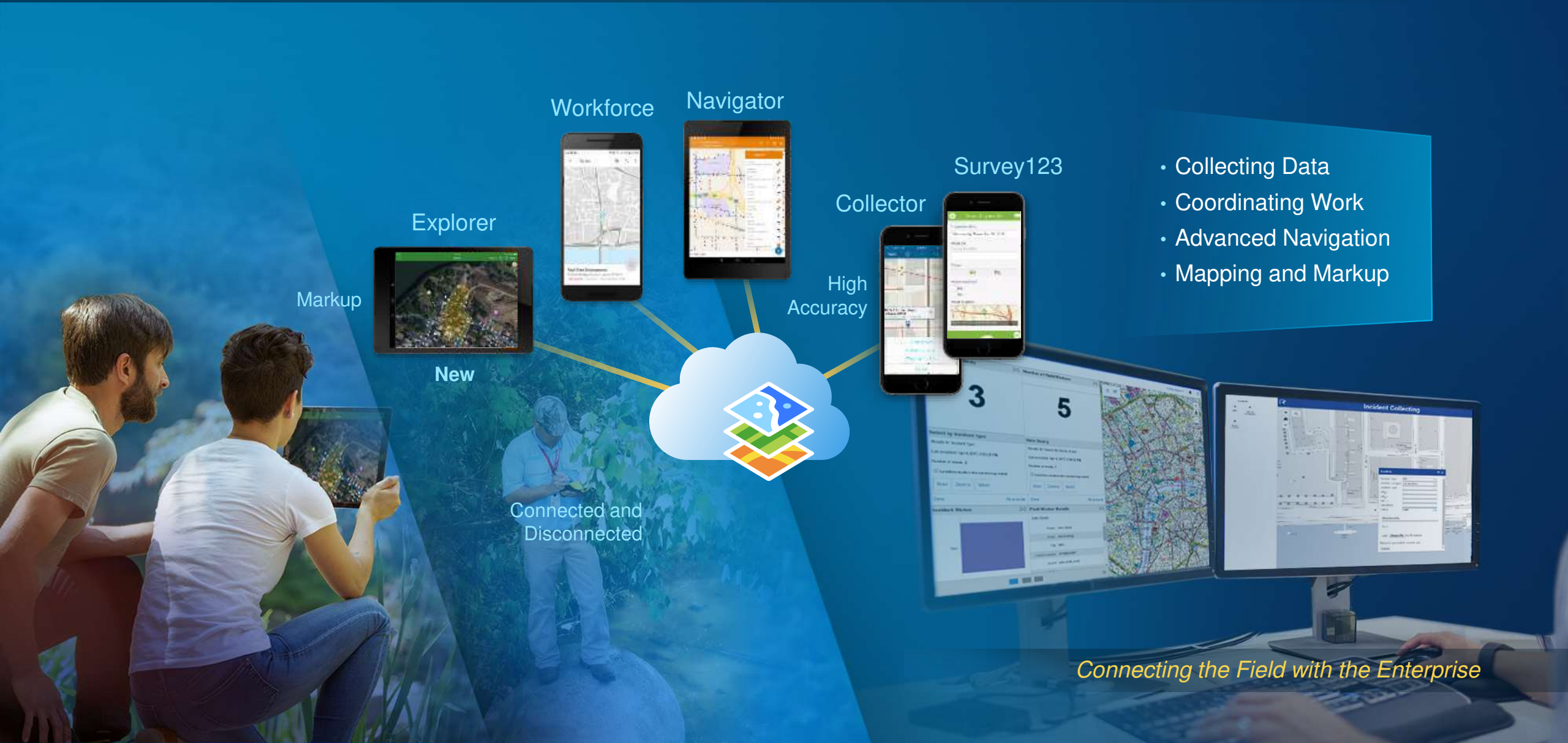
Preconfigured

Ready to Deploy

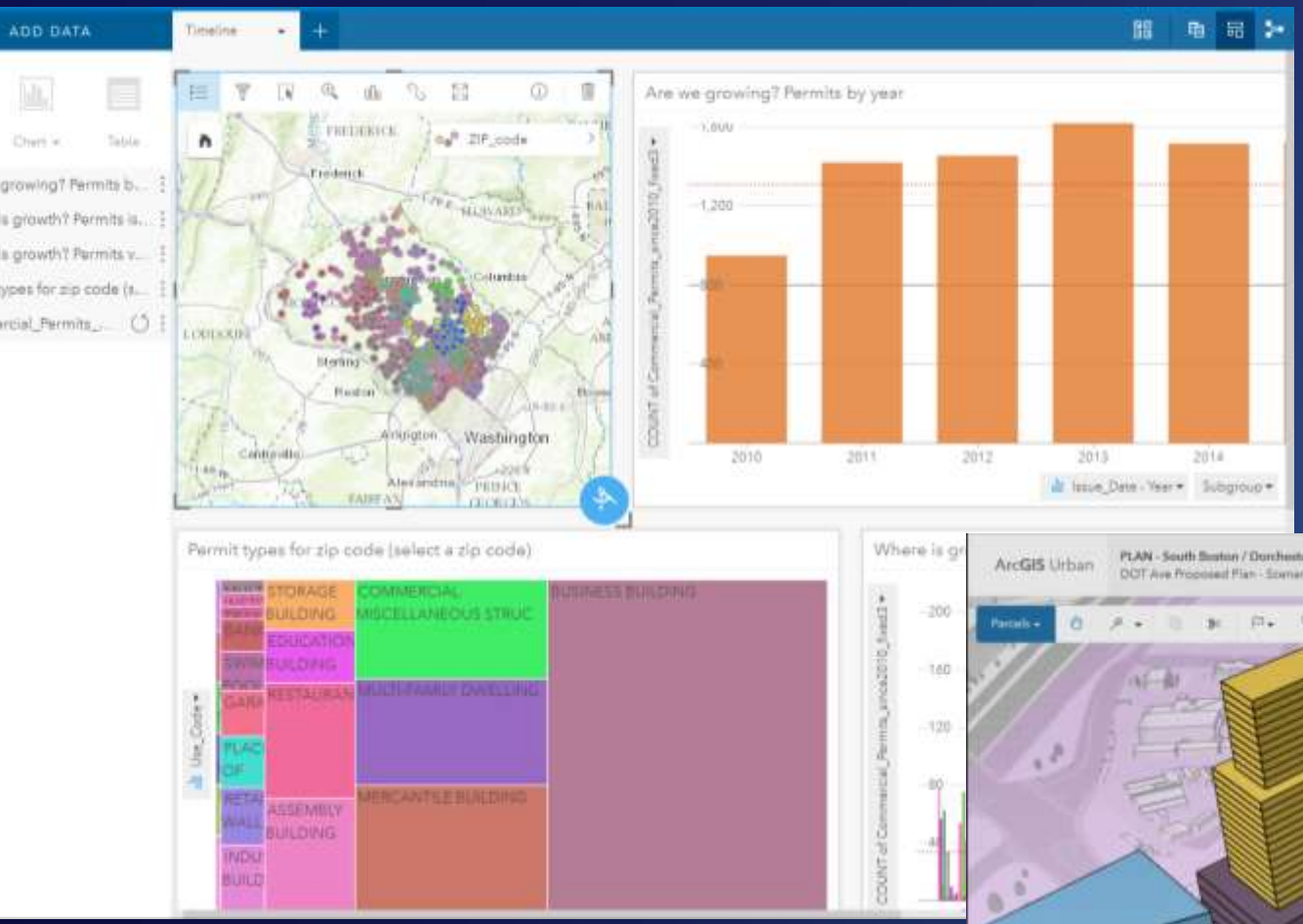
- Technology
- Workflows
- Implementation
- Training
- Support

Rapidly Delivering Value . . .
. . . Implemented by Users, Partners, and Esri

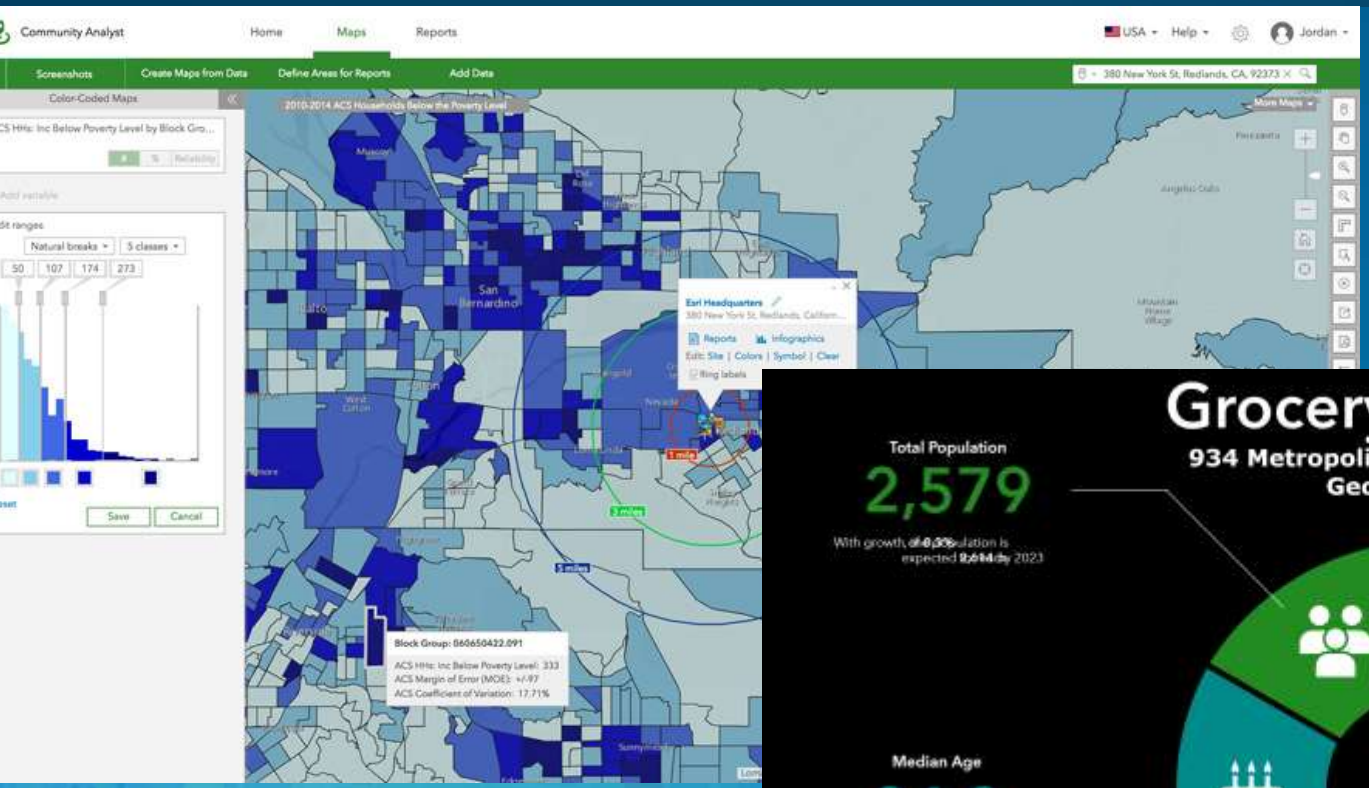
Field GIS | Taking ArcGIS Beyond the Office

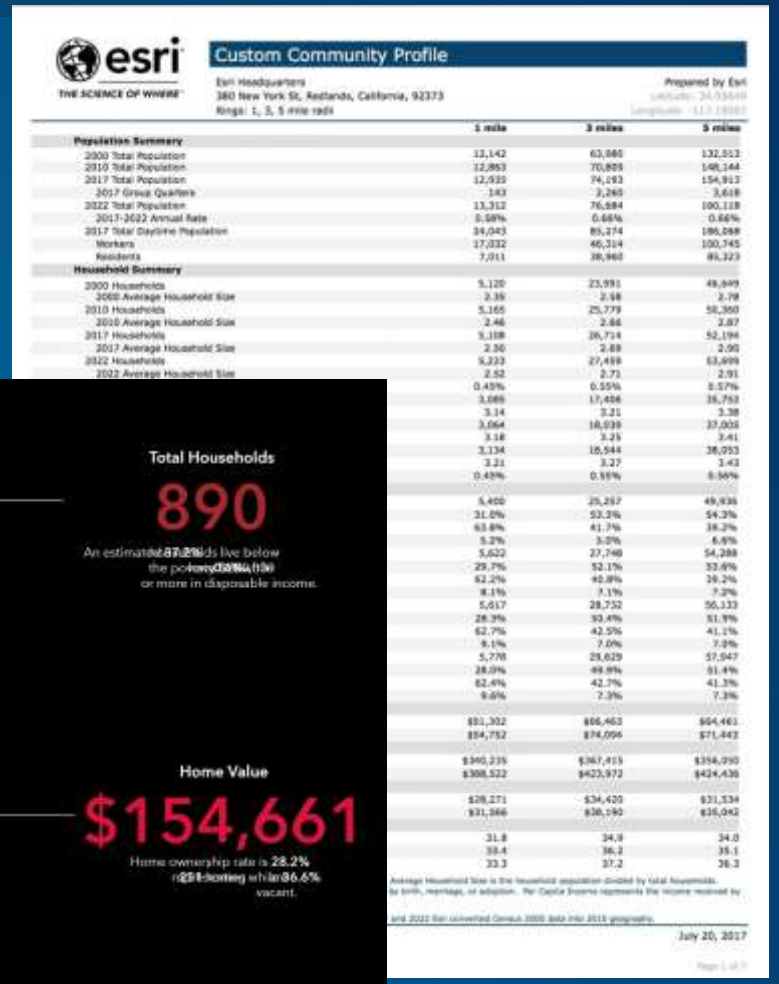


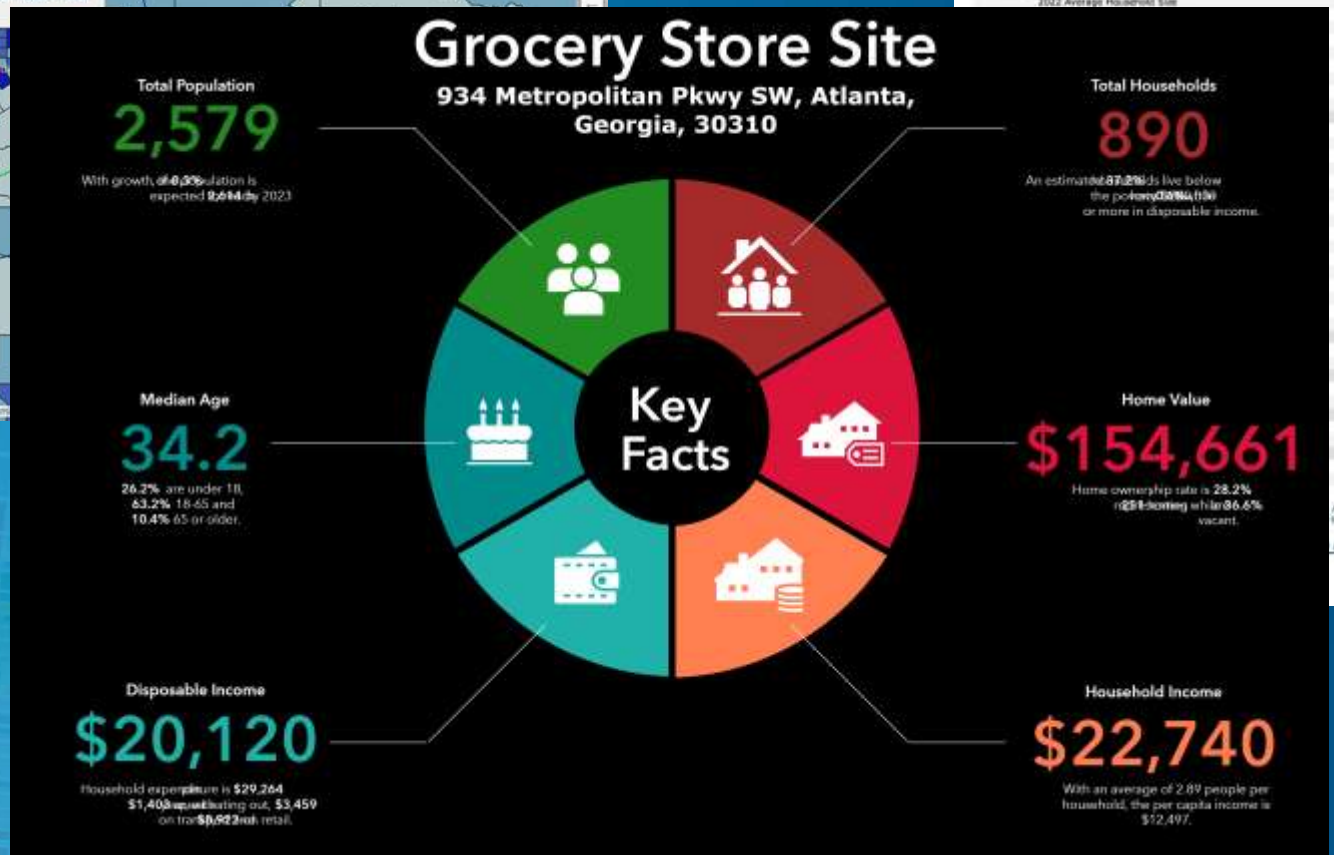
System of Insight for Community and Economic Development



Community Analyst | Understanding your neighborhoods….allocating resources fairly.

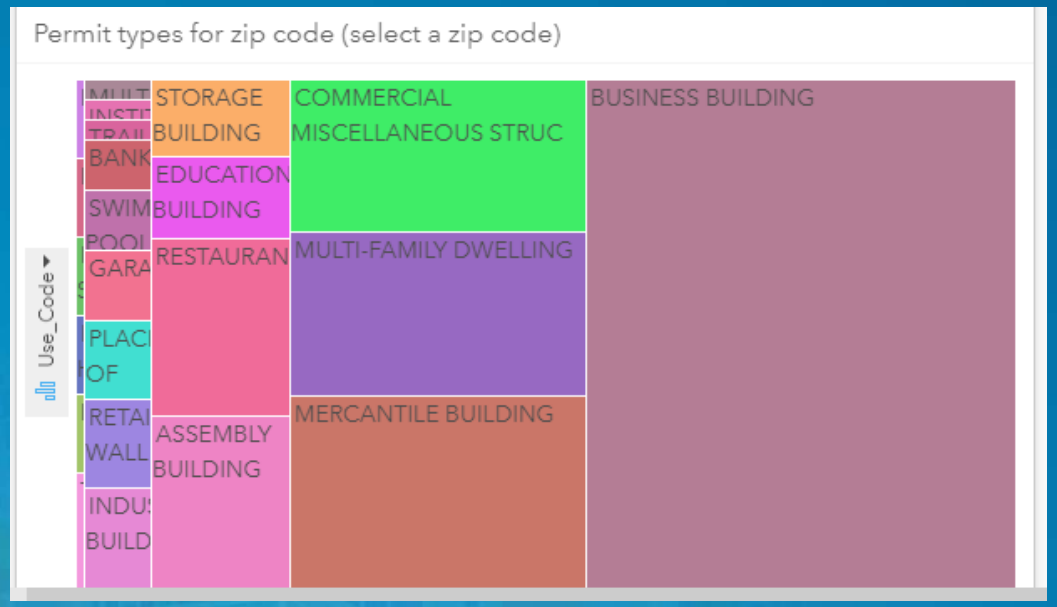




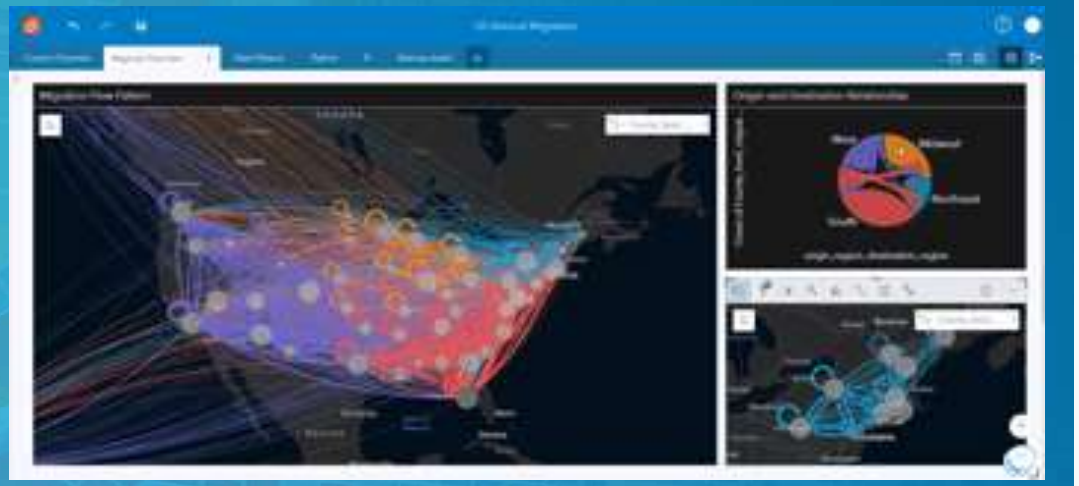


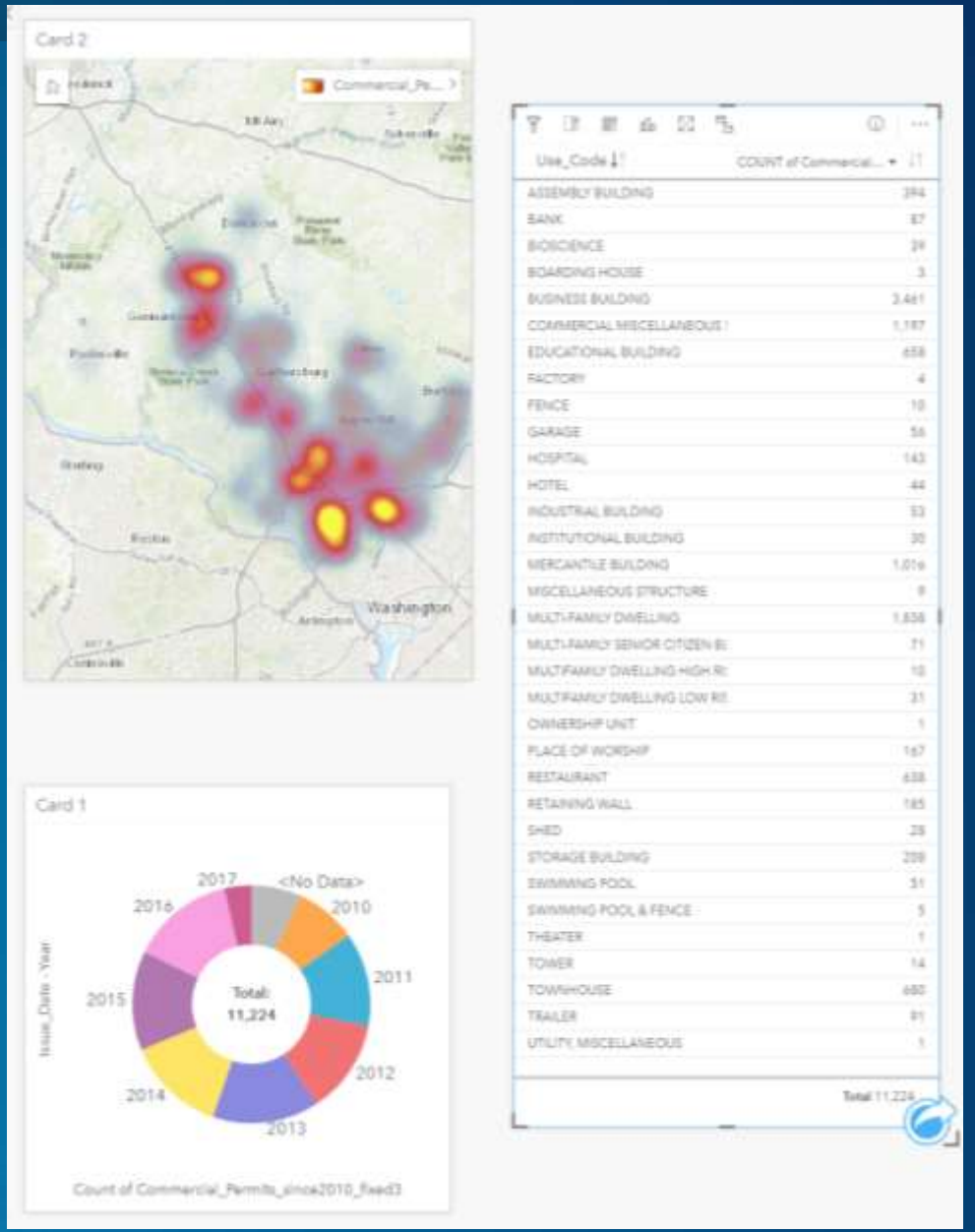
- Access to 1700+ variables
- Business Search
- Service Areas
- Reports
- Infographics

Insights | Opening Location Analytics and Business Intelligence to Everyone.



- Mapping
- Analytics
- Charting





ArcGIS Urban | Revolutionizing City Planning and Design

New

Transforming Planning Operations and Design

Enabling Smart Cities

Plans

Land Use
Zoning
Overlays

Projects

Buildings
Infrastructure

Indicators

Baseline
Suitability
Impact Models

Visual, Analytic & Interactive

Stakeholders

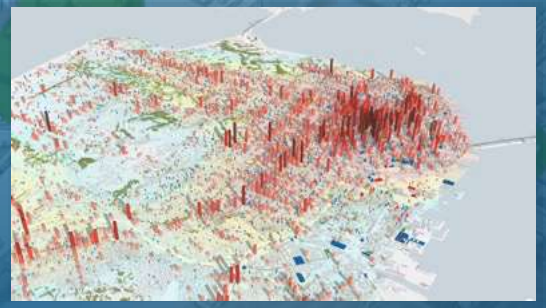
- Government
- AEC
- Real Estate
- Citizens
- NGOs

Track and Evaluate Projects

Immersive

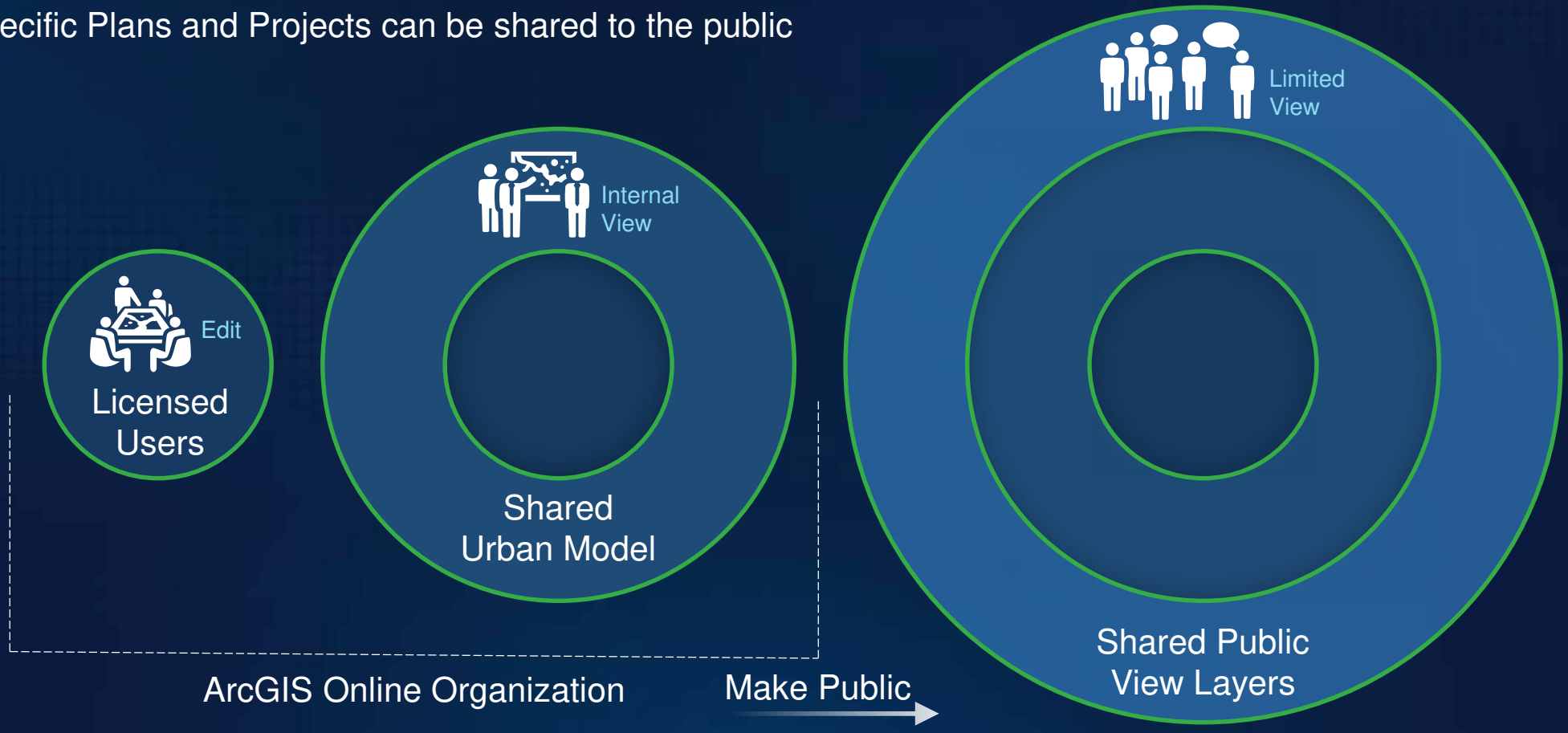
Create
Planning Scenarios

Report and Engage



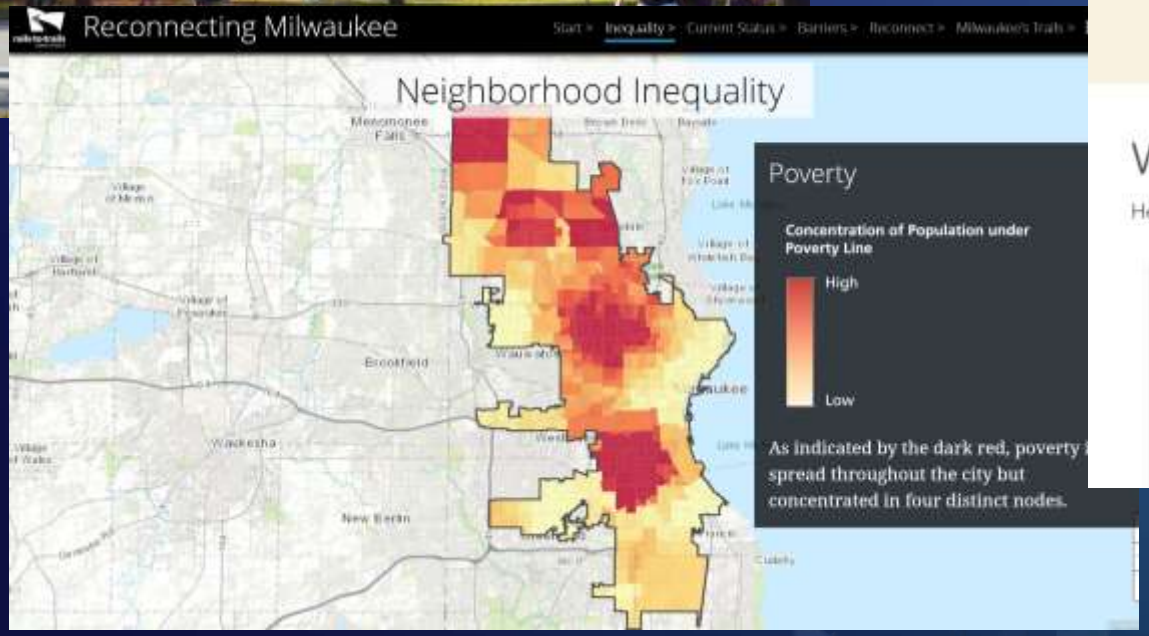
Sharing ArcGIS Urban Across Organizations

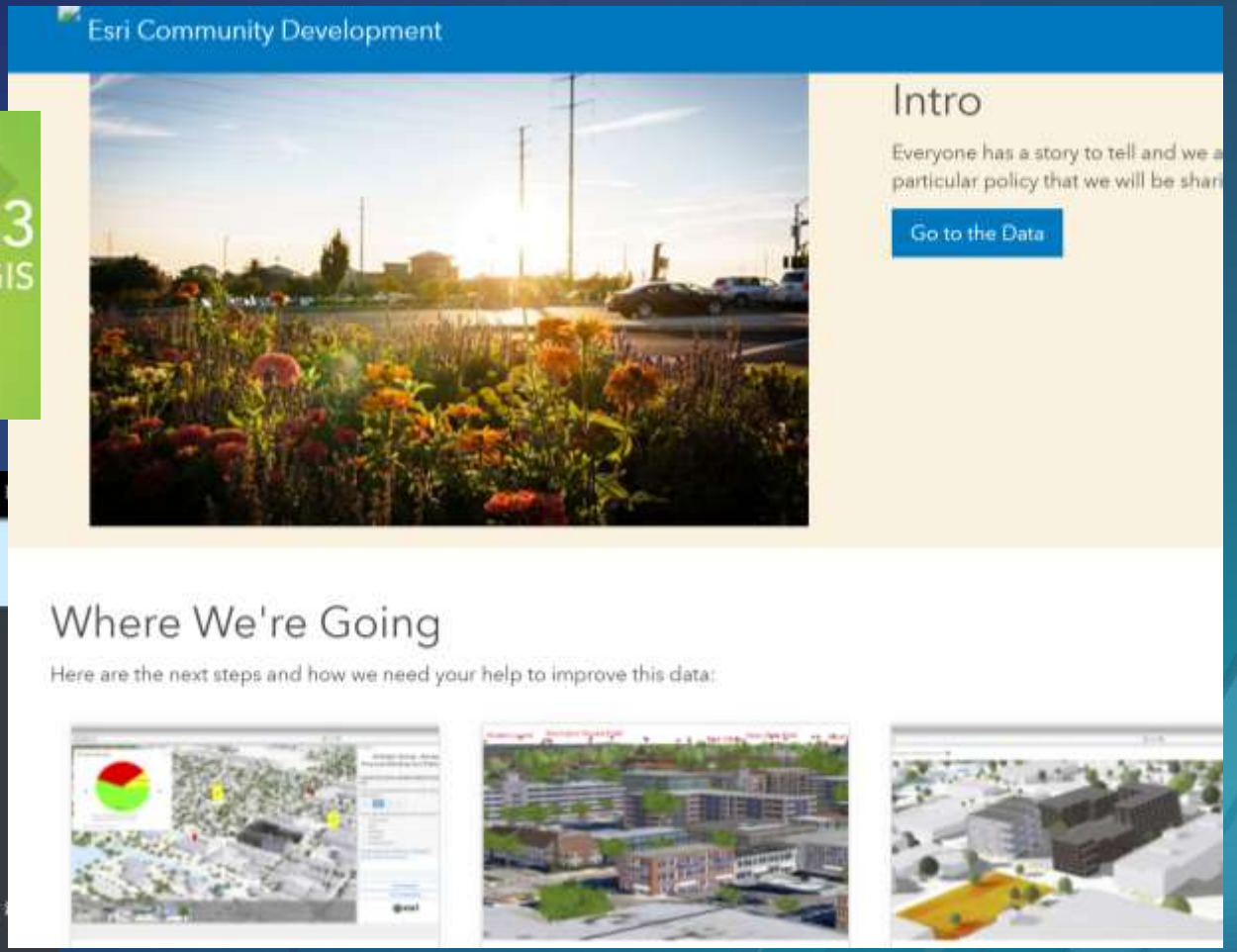
- Share to a select stakeholders within the organization
- Specific Plans and Projects can be shared to the public



System of Engagement for Community and Economic Development

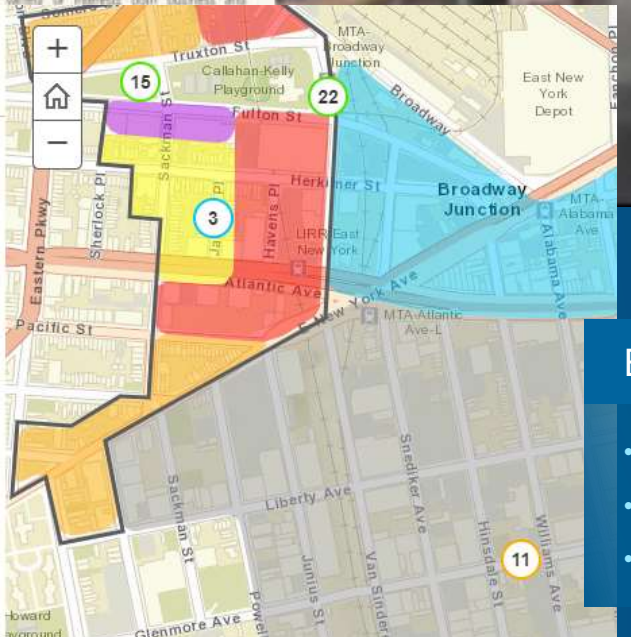
Survey123 for ArcGIS





Story Maps | Every planner has a story to tell…

Ready to Use



Exponentially Growing

- Over a Million Stories
- 3,000+ / Day
- Millions of Views / Week

ArcGIS Hub | Is Transforming Community Engagement and Collaboration

Connecting Organizations & Communities of Interest

Initiatives

Website
Apps & Content
Engagement Tools
Crowdsourcing

Organize Communities

Identities and Groups
Sharing Data
Events and Discussions
Participation / Feedback

FREE

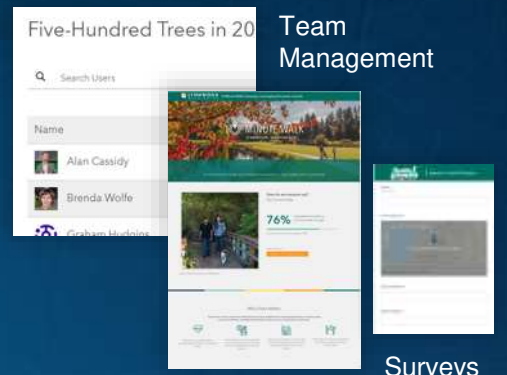
Open Data

Multiple Formats
Open APIs
Maps & Charts

Stakeholders

- Governments
- Communities
- Universities
- NGOs
- Citizens
- Staff

Team Management



Surveys

Event Calendars

Initiatives

Performance Reporting

Open Data

A Smart System for Planning

- Gain high-level insight into planning activities
- Insure a data-driven approach to planning projects.
- Stay on the same page with planners, developers and the public.

Executive Office

Planners

- Visualize and Analyze Proposed Development
- Streamline Permitting and Review Workflows
- Develop and Model Land Use Scenarios
- Evaluate Buildout Analysis

Field Staff

- Conduct Code Enforcement & Site Inspections
- Review digital plans in the field.
- Optimize routing to multiple sites.

Public

- Be Informed about initiatives for Comprehensive Planning, Development Reviews, and Special Projects
- Access to purposeful open data
- Public Notification
- Project-Focused Public Surveys

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

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

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

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

Stimulate Economic Growth

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

A Modern Community Development Solution

Delivering a complete GIS for Planning and Community Development

Key Takeaways

- **The Web GIS pattern puts GIS functionality in the hands of non-GIS professionals.**
- **Web apps allow planners to be more proactive and data-driven in their efforts.**
- **Story Maps will be your best friend.**
- **3D is no longer a luxury.**
- **It's not about public notification. It's about citizen engagement.**
- **Digital collaboration between departments and organizations is easy and secure.**

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