ArcGIS for State Government

Chris Nickola
Nikki Golding
Agenda

• Introduction

• Solution Offering

• What’s Next

• Your Feedback
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**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
- D.C. moves to replace its outdated tax payment system
- The Billion Dollar Crisis in Outdated Government Technology
- World’s population increasingly urban with more than half living in urban areas
## Technology Trends Influencing Government

**McKinsey and Company**

<table>
<thead>
<tr>
<th>#1 Mobile Internet</th>
<th>Increasingly inexpensive and capable mobile computing devices and internet connectivity</th>
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<tbody>
<tr>
<td>#2 Automation of knowledge work</td>
<td>Intelligent software systems that can perform knowledge-work tasks</td>
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<td>#3 Internet of Things</td>
<td>Networks of low-cost sensors and actuators for data collection, monitoring, decision making, and process optimization</td>
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<td>#4 Cloud</td>
<td>Use of computer hardware and software resources to deliver services over the internet or network</td>
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<tr>
<td>#5 Advanced robotics</td>
<td>Increasingly capable robots with enhanced sensors, dexterity, and intelligence; used to automate many tasks</td>
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</tbody>
</table>
Unstable, Outdated Systems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
ArcGIS as a Platform

Simple, Open, and Configurable

Making Mapping and GIS Available Across Your Organization

Knowledge Workers
Executive Access
Public Engagement
Work Anywhere
Enterprise Integration

Professional GIS

ArcGIS

Transforming the Role of GIS
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
Our Mission ➤ To help you...
EXTENDING THE PLATFORM WITH SOLUTIONS
Ready to use workflows and apps that make implementation easier and sustainable.
Aligning solutions with government initiatives.....
To realize this vision these aspirations must be translated into actionable, real-world initiatives:

- Implement Performance Management
- Reduce Traffic Congestion
- Create More Affordable Housing
- Reduce Homelessness
- Increase Recreation Opportunities
- Improve Water Conservation
- Make Parking Easier
- Equity of Service
- Reduce Fraud
- Improve Emergency Response Times
- Use Less Water
- Encourage Commercial Investment
- Improve Emergency Preparedness
ALIGNING OUR DEVELOPMENT TO SUPPORT GOVERNMENT GIS
Providing solutions that address the common implementation types

**Strategic Initiatives**
- Open Data
- Data Aggregation
  - Supportive Spatial Infrastructure, technology and governance

**Business Solutions**
- Configurable Apps
- Foundational Services
  - Domain specific support for geocentric workflows, mapping, analytics and communication
- COTS Workflows

**Citizen Outreach**
- Locator Apps
- Constituent Engagement
- Government Service Discovery
  - Useful tools for exposing government services, improving communication, and sharing strategic information
<table>
<thead>
<tr>
<th>Fish &amp; Wildlife</th>
<th>Environment and Nat. Res</th>
<th>Health</th>
<th>Economic Development</th>
<th>Transportation</th>
<th>Secretary of State</th>
<th>Entire Organization</th>
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<tr>
<td>Hunting License Locator</td>
<td>Permit Inspection</td>
<td>Birth Outcome Analysis</td>
<td>Live, Work, Locate</td>
<td>Road Closures</td>
<td>Election Polling Places</td>
<td>Community Parcels</td>
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<tr>
<td>Water Access Locator</td>
<td>Permit Status</td>
<td>Birth Outcome Journal</td>
<td>Incentive Zones</td>
<td>Railroad Inspection</td>
<td>Community Addresses</td>
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</tr>
<tr>
<td>Wildlife Management Area Locator</td>
<td>Park &amp; Recreation Locator</td>
<td>My Health Services*</td>
<td>Site Selector</td>
<td>Bridge Inventory</td>
<td>Service Catalog</td>
<td>Service Catalog</td>
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<td>Water Quality Dashboard</td>
<td>Water Quality Status</td>
<td>Restaurant Inspection Results</td>
<td>Event Management</td>
<td>Snow COP</td>
<td>Election Results</td>
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<td>Water Quality Inspections</td>
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<td>Property Listing/Reviewer</td>
<td>Pavement Marking Inventory</td>
<td>Historic Election Results</td>
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<td>Citizen Science Reporter</td>
<td>ArcGIS Online for Environment &amp; Natural Resources</td>
<td>Water Quality Status</td>
<td>ArcGIS Online for State Government - Health</td>
<td>Street Sign Inventory</td>
<td>Crowdsource Reporter</td>
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<td>Traffic Signal Inventory</td>
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<td>Public Land Survey Editing</td>
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<td>Guardrail Inventory</td>
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<td>Environmental Screening</td>
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<td>Crash Analysis</td>
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<td>Transportation 511</td>
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Transportation 511
A workflow to support update/status on Road Network

Iowa
Kentucky
Florida DEM
City of New Orleans
Maryland
City of Atlanta
Florida DMV
Indiana
Council of Newberry – NZ
Environmental Impact
A comprehensive solution to support project review

Analyze
Communicate
Solicit Feedback
Status

Florida Fish and Wildlife
Florida DEM
Esri Ireland
Esri Australia
LHS – Consulting
Mountain Accord – Utah
Demo
2017 Priorities

• Modernize solutions
  • ArcGISPro, WebApp Builder, 4.x API, Field Workflows

• UC Release
  • Environmental Screening, Transportation 511 updates, Field Workflows, Printing Dijit

• Post UC
  • Executive Dashboard, Environment, Agriculture, Field Workflows, Hub
Join the Community

It’s not just about the technology
Closing

• Deliver solutions that enables success
  • Easier to deploy and sustain

• Evolve and grow the collection of apps

• Develop a community of users

• Provide a platform for partners to deploy their solutions
UC Events

- ArcGIS for State Government Sessions
  - Six technical workshops
  - Nine demo theatre sessions (Theater 2)

- State and Local Government Social

- Solution Island
  - Focused conversations / support
Please Take Our Survey on the Esri Events App!

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Complete Answers and Select “Submit”
Thank you

Be innovative, aware, and know you are not alone

http://solutions.arcgis.com/#State-Government
http://meetup.com/ArcGIS-for-State-Government/
@ArcGISStateGov
http://esri.github.com

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