ArcGIS for State and Local Government: An Overview

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Agenda

- Overview of the configurable maps and apps for government organizations:
  - State government
  - Local government
- What’s included?
- How to get started
- Resources

Deploy the **complete platform**
Create a destination with Portal
Configure first, customize second
Create **useful information** products
Light up everyone in the organization

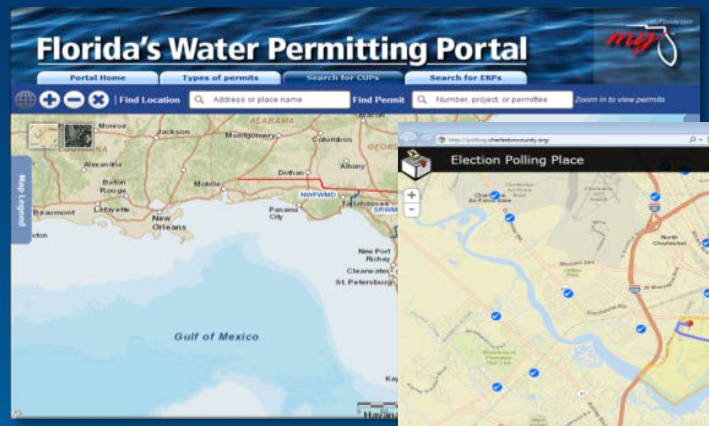
ArcGIS as a Platform

Simple, Open, and Configurable

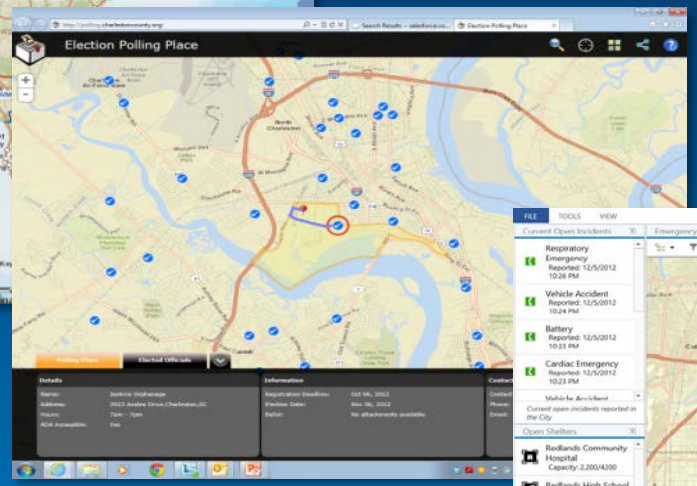
Making Mapping and GIS Available Across Your Organization

Common Challenges for Government Organizations

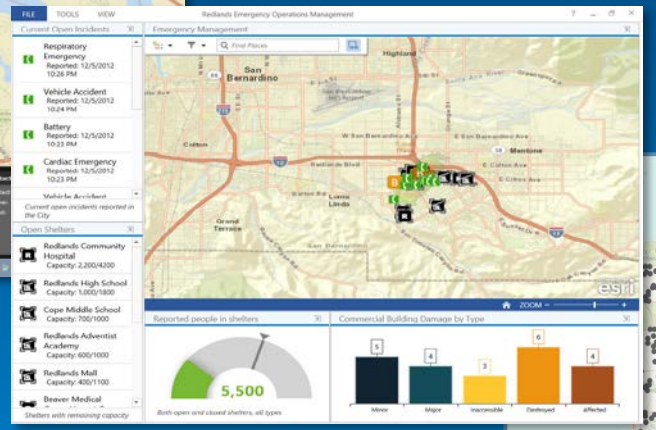
A Common Experience….



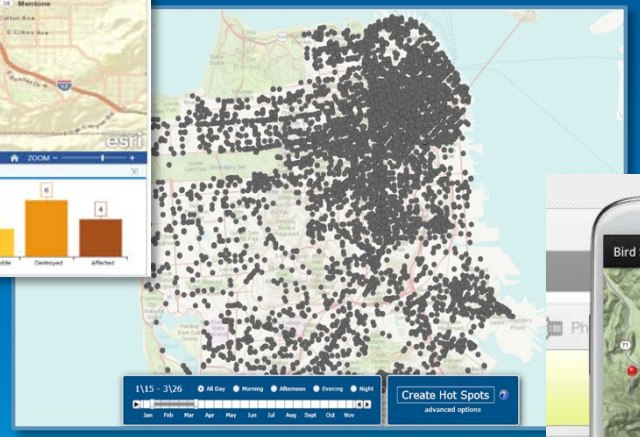
Display



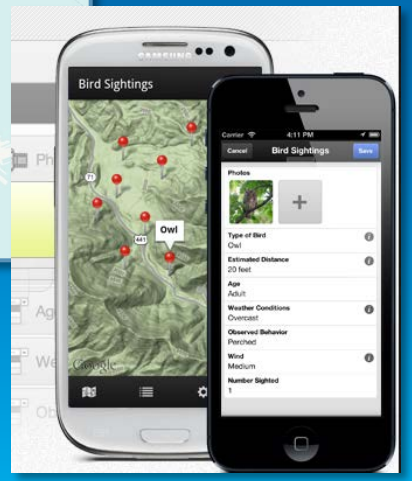
Find



Compare

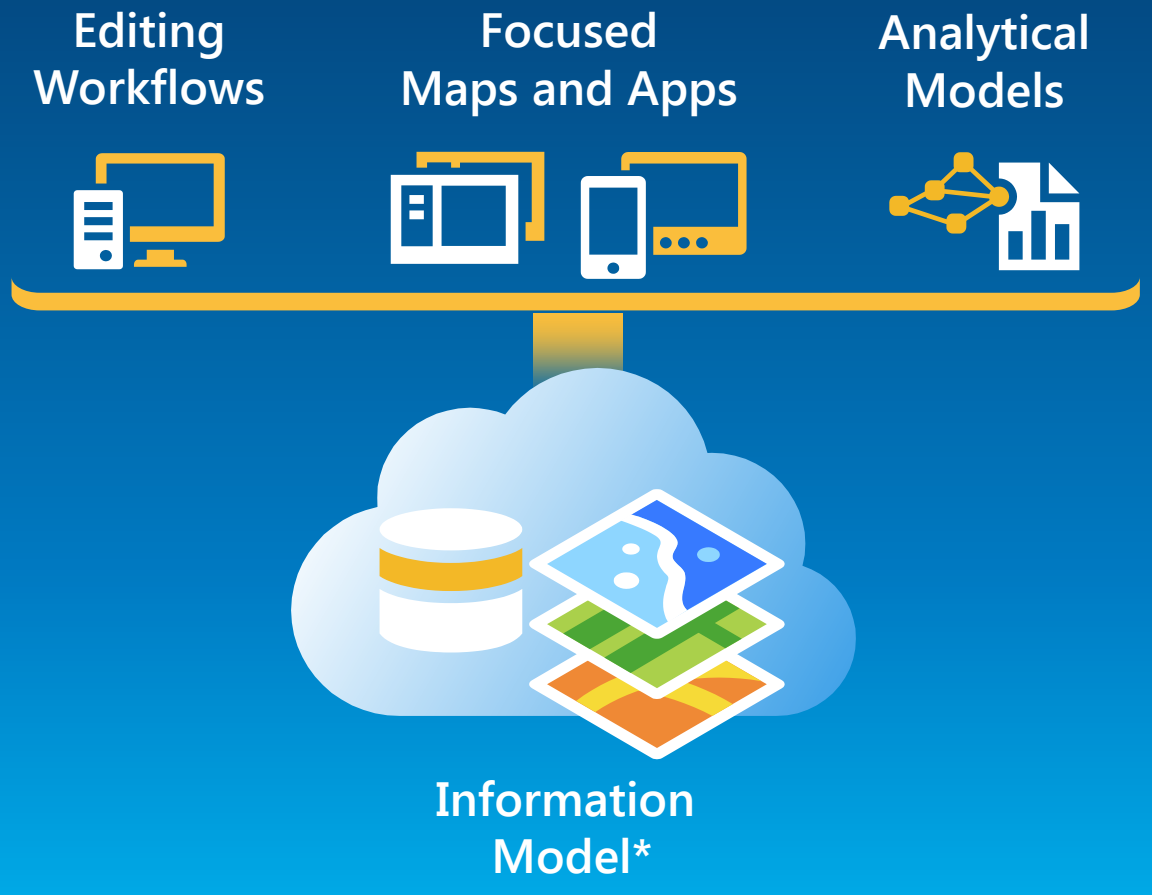


Analyze



Collect

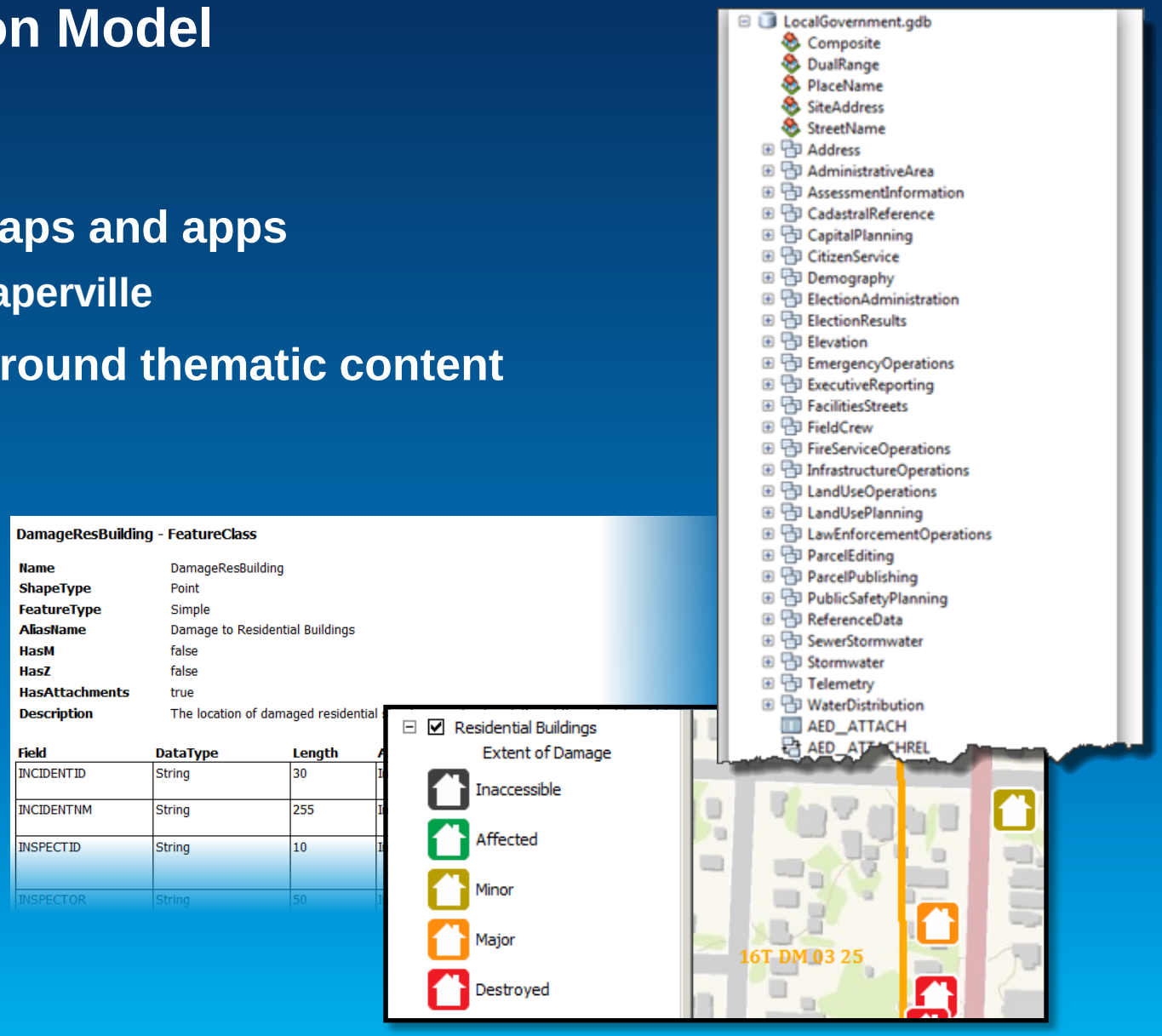
ArcGIS for Local Government
ArcGIS for State Government



*ArcGIS for Local Government

Local Government Information Model

- Supports Local Government maps and apps
  - Includes sample data, City of Naperville
- Central repository, organized around thematic content
  - Optional
  - Configurable
  - Fully documented



Demo: A common challenge

ArcGIS for Local Government

Planning

Park and Recreation Finder
Land Use Public Comment
Land Use Public Notification
Community Planning
Code Violation

Land Records

Tax Parcel Editing
Deed Drafter
Tax Parcel Map Book
Address Data Management
Parcel Value for iPhone
Tax Parcel Viewer
Value Dashboard
Tax Reverted Property
Data Reviewer for Parcels
Data Reviewer for Addresses

Water Utilities

Many more...

Public Works

Campus Editing
Campus Place Finder
Citizen Service Request
Public Information Center
SnowCOP
My Government Services
Water Utility Network Editing
Water Utility Capital Planning
Water Utility Mobile Map
Road Network Management
Road Closures
Plans and Drawings
Maintenance Agreements
Sidewalk Inventory
Bridge Inventory
Sign Inventory
Signal Inventory
Streetlight Inventory
Public Parking

Elections

Election Results
Election Polling Places

Public Safety

Flood Planning
Special Event Planning
Fire Station Wall Map
Fire Run Book
Pre-Incident Planning
AED Inventory
Home Safety Inspection
Target Hazard Analysis
Fire Hydrant Inspection
Cell Phone Analysis
Incident Mapping
Field Interview Card
Public Safety COP
Damage Assessment
My Hazard Information
EM Maps

Local Government

Information Model
Basemaps
Data Reviewer for Basemaps
Executive Dashboard
Briefing Book
Community Parcels
Maps and Apps Gallery
Model Organization

ArcGIS for State Government

DOT

Traveler Information System (511)
Railroad Crossing Inspection
Crash Analysis Tools*
NEPA (Environmental Review)*

Public Health

Beach Monitoring
Water Quality Monitoring
Restaurant Inspection
Restaurant Inspection Status
Birth Outcomes
Birth Outcomes Briefing Book
Model Organization
Assisted Living Facility Inspection*

Fish and Wildlife

Water Access Locator
Wildlife Management Area Locator
Hunting License Locator
Environmental Impact Assessment*

Emergency Management

Flood Planning
Special Event Planning
Pre-Incident Planning
Target Hazard Analysis
Common Operational Picture
Damage Assessment
My Hazard Information
EM Maps
Model Organization
Impact Map
Public Information Map
Incident Briefing Plan

Environment

Permit Inspection
Permit Status (Hosted)*
Environmental Impact Assessment*
Permit Processing Dashboard
Park and Recreation Locator
Permit Expiration Dashboard
Permit Status
Trail Locator
Model Organization

Economic Development

Live, Work, and Locate
Incentive Zones/Districts App
Trip Planner*
Site Selector*

GIS/IT

Executive Dashboard
Model Organization(s)
New Locator Apps*
Data Aggregation Patterns
Community Parcels
Addressing *

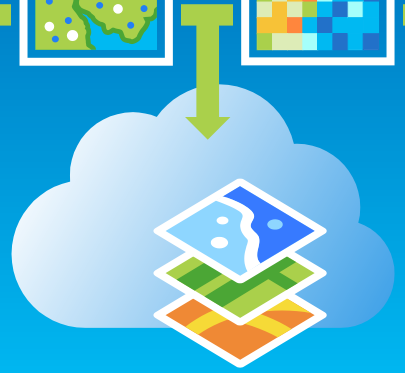
Demo: Explore the Solutions

A System View

Deploying the Government solutions

- Embedded maps
- Mobile apps
- Web apps
- Open data

- Functional groups
- Editing maps
- Services
- Mobile apps
- Web apps
- Dashboards



- Common services
- Standard basemaps
- Information model

Configuration Patterns

How do I get started?

1. Choose the maps/apps that meet identified business needs
2. Organize your data for use with those maps/apps
3. Configure the specific template(s)
4. Deploy and Share (e.g. for public access; to your Organization)

Organizing your data

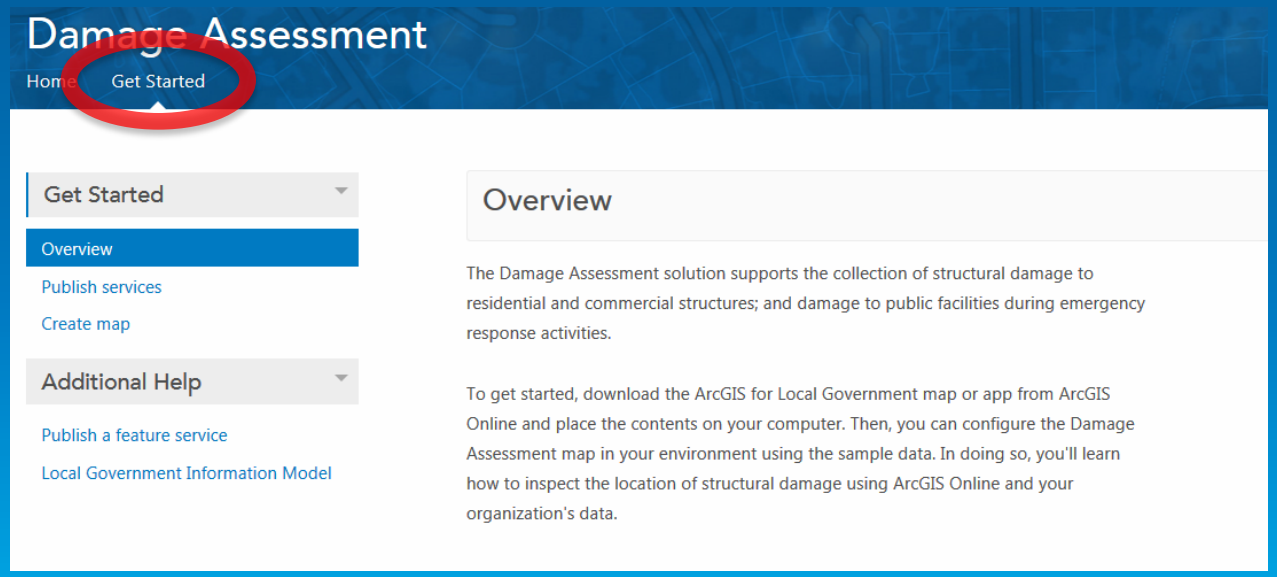
- Use the Local Government Information Model
  - Complete adoption
  - Portions that you need for the maps & apps that meet your needs
- Do not use the Local Government Information Model
  - Configure the maps and app templates to work with your data

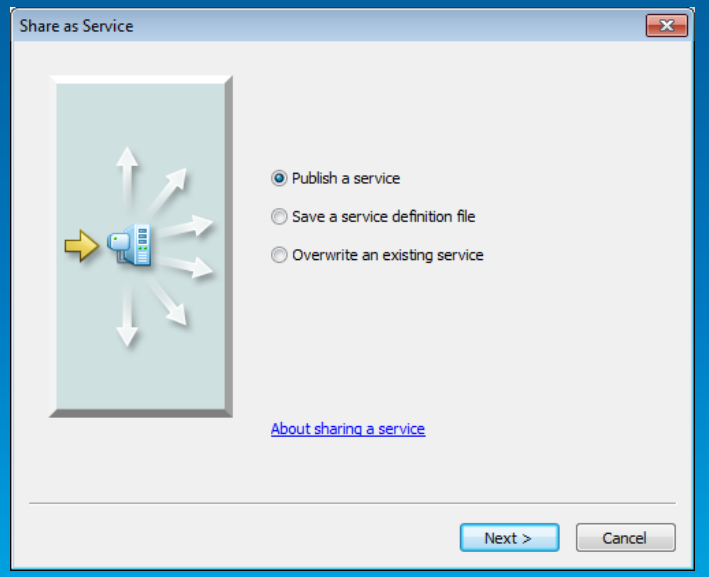
Data translation tools

- ArcGIS GeoProcessing tools and workflows
  - Append, Load, …
- X-Ray AddIn for ArcCatalog and ArcMap
- FME for ArcGIS
- Gizinta Tools
- ArcGIS Solutions Schema Migration Wizard

Publishing web services

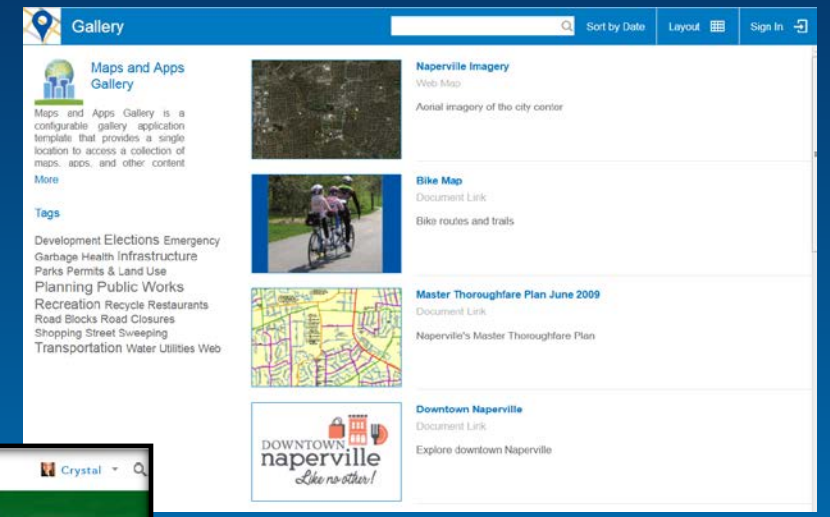
- **ArcGIS for Server**
- **ArcGIS Online**
- **Both**

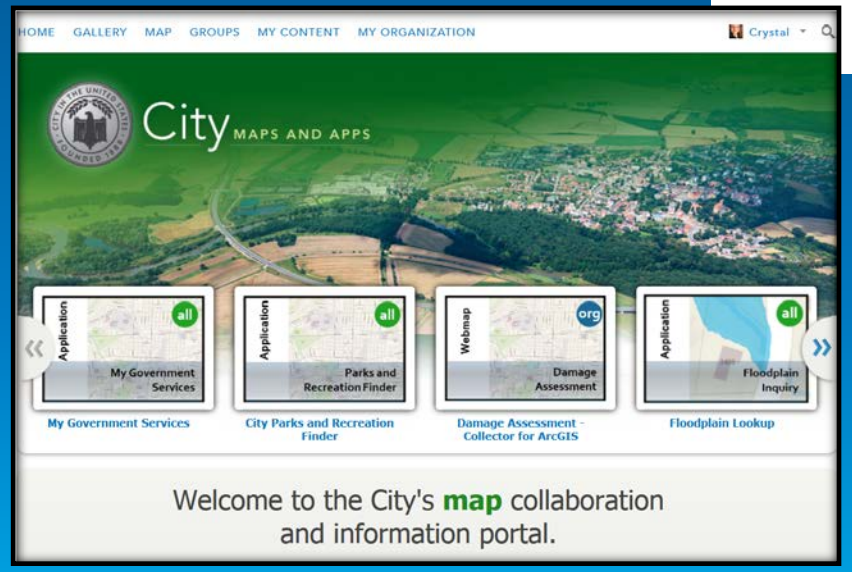




Deploying and Sharing

- Deploying
  - On-premises
  - ArcGIS Online hosting (apps)
- Sharing
  - Organization
  - Galleries
    - Templates, Group
  - Links/Embed





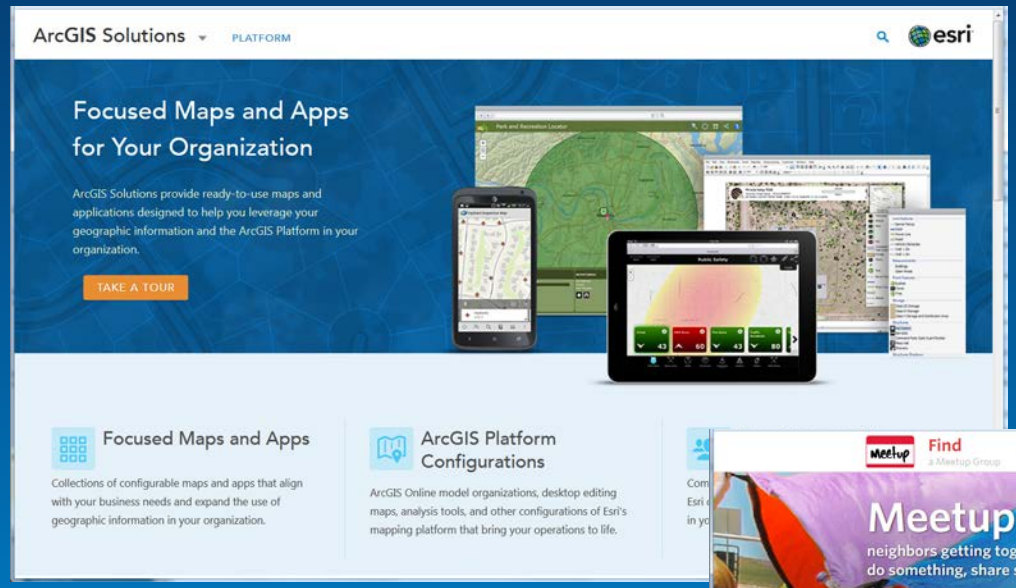
Demo: Configuration

Resources

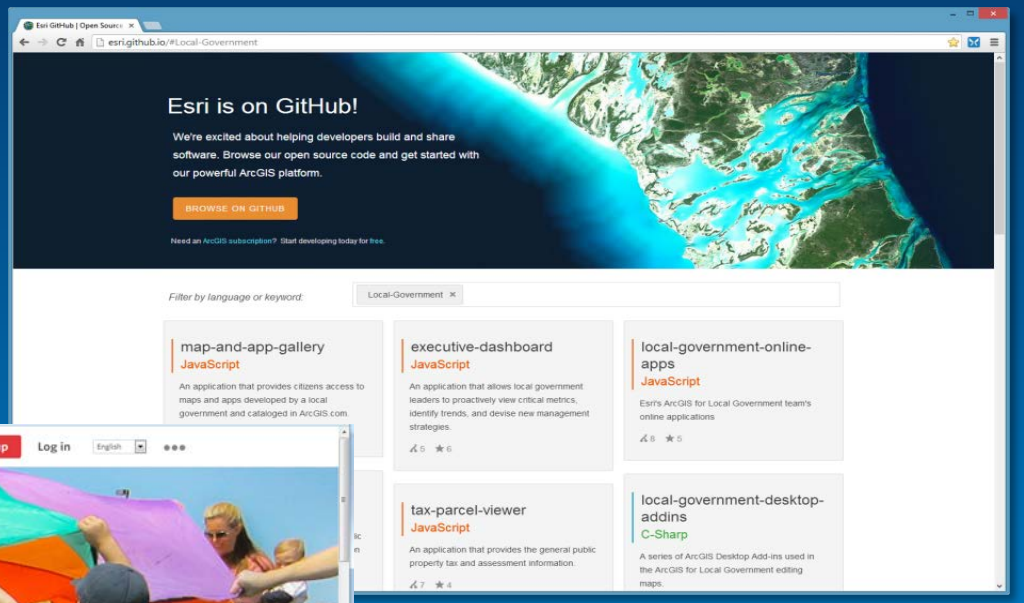
Links and Documentation

- http://solutions.arcgis.com
- http://tryitlive.arcgis.com/
- **Documentation:**
  - Local Government Online Help
- **Blogs:**
  - Local Government
  - State Government
- **GeoNet:**
  - Local Government
  - State Government

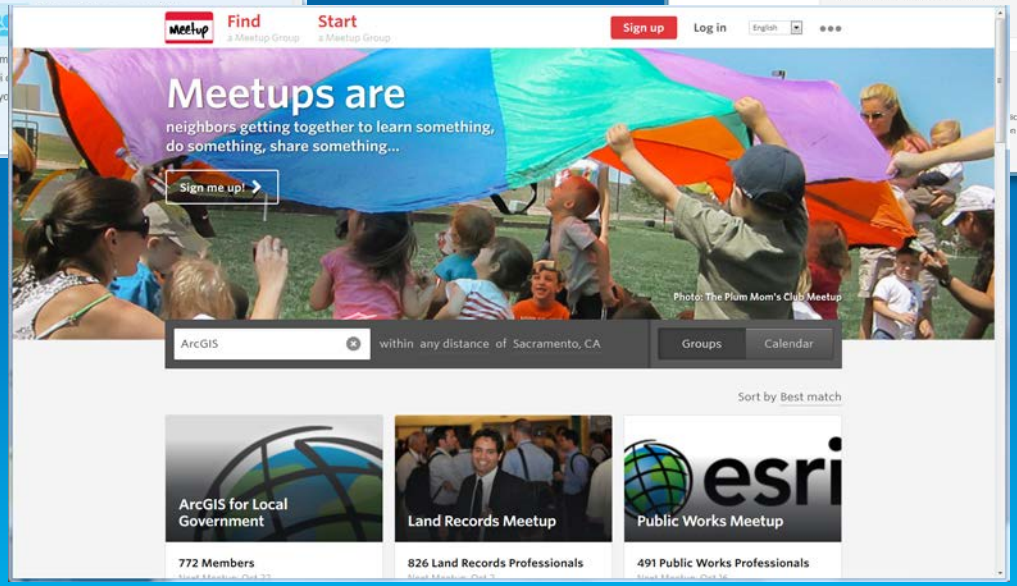
The Community



Destination where governments can collaborate



Place where developers can contribute, too

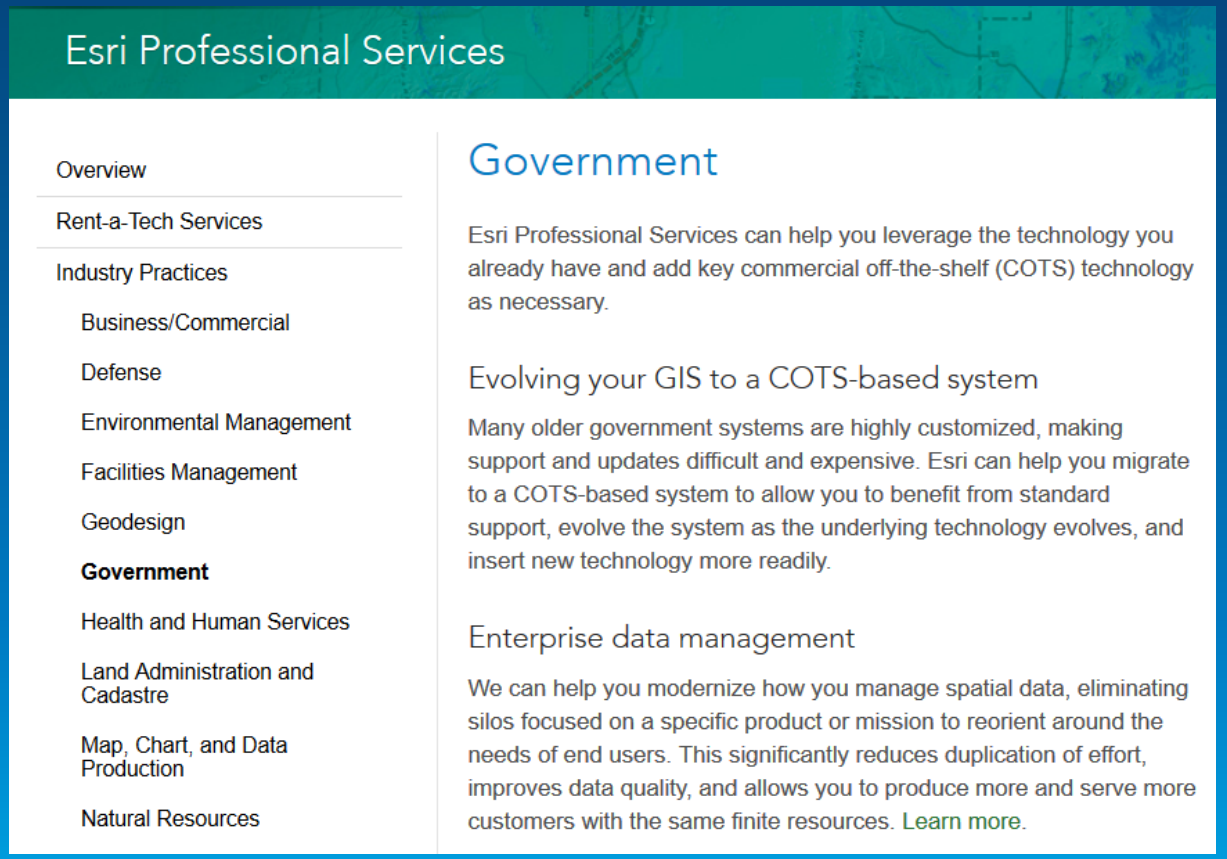


Ongoing dialog to share success stories and learn from others

Additional Help

- **Esri Professional Services**
  - **Launch Kits, Rent-a-tech, …**
- **Esri Partner Program**

ArcGIS for Local Government Specialty



Summary

- Identify the business needs of your organization
- Select a configuration pattern that makes sense for your organization
- Customize only if necessary
- Leverage ArcGIS Online web application templates
- Participate in the community
- Don’t hesitate to ask for help from
  - Esri, Peers, Partners

Questions?

Thank you!

Understanding our world.