Accelerate Your ArcGIS Deployment with Configurable Apps and Solutions

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Workshop Agenda

- Introduction
- Essential Concepts
- Use Cases:
  - Integrated Vector-borne Disease Surveillance & Control
  - Reducing Homelessness
  - Tackling the Opioid Epidemic
- Solutions Deployment Tool
- Configure First Approach with Survey123
- Create Configurable Apps with Web AppBuilder
- Conclusion
- Questions/Answers
TO BE AGILE

ArcGIS Platform

1st Configure

2nd Customize

Empower People
Essential Patterns of a Location Strategy

**Location Enablement**
Empower all users to discover, use, make and share maps

**Constituent Engagement**
Get feedback and communicate with external constituents

**Decision Support**
Support organization decision making activities

**Field Mobility**
Get information into and out of the field

**Analytics**
Describe, predict, and improve business performance

**Location Data Management**
Collect, organize and exchange data about all assets and resources
ArcGIS Industry Specific Maps and Apps

ArcGIS Solutions deliver Ready-to-Use Maps and Apps to jumpstart your work

Leverage hundreds of ready-to-use maps, apps, and platform configurations to meet your needs, delivering innovation and best practices for your organization.
1. Well-defined information model: (Geodatabase)

2. Standards-based
   - Infrastructure Standards
   - Interoperability Tier
   - Application-level Standard

3. Deployment Options
   - On-premises
   - Cloud
   - Hybrid

4. Suite of apps
Apps for...

Field
Office
Community
Apps for the Field

- Collector for ArcGIS
- Drone2Map for ArcGIS
- Survey123 for ArcGIS
- Navigator for ArcGIS
- Workforce for ArcGIS

![Image of people working in the field with construction equipment]
Apps for the Field

Coordinate

Workforce for ArcGIS
Navigator for ArcGIS
Collector for ArcGIS
Survey123 for ArcGIS
Drone2Map for ArcGIS
Apps for the Field

Collector for ArcGIS

Navigator for ArcGIS

Drone2Map for ArcGIS

Survey123 for ArcGIS

Workforce for ArcGIS
Apps for the Office
Apps for the Office
Professional GIS

ArcMap
ArcGIS Pro
ArcGIS Earth
Explorer for ArcGIS
Operations Dashboard for ArcGIS
Insights for ArcGIS
ArcGIS Maps for Office
Esri Business Analyst
ArcGIS Maps for Adobe Creative Cloud
Esri Maps for SharePoint
GeoPlanner for ArcGIS
Esri Community Analyst
Esri CityEngine
Apps for the Office

Visualize

ArcGIS Earth
Explorer for ArcGIS
Operations Dashboard for ArcGIS

ArcGIS Pro
ArcGIS Operations

Insights for ArcGIS
ArcGIS Maps for Office
Esri Business Analyst
ArcGIS Maps for Adobe Creative Cloud

Esri Maps for SharePoint
Esri Community Analyst
GeoPlanner for ArcGIS
Esri CityEngine
Apps for the Community

- Esri Story Maps
- Configurable Apps
- ArcGIS Open Data
- Photo Survey
- Crowdsourcing Reporter
- Crowdsourcing Manager
- Quick Report
- Crowdsourcing Polling
Apps for the Community

Esri Story Maps
Configurable Apps
ArcGIS Open Data

Photo Survey
Crowdsourcing Reporter
Crowdsourcing Manager
Quick Report
Crowdsourcing Polling
Apps for the Community

Collaborate

Esri Story Maps
Configurable Apps
ArcGIS Open Data

Photo Survey
Crowdsourse Reporter
Crowdsourse Manager

Quick Report
Crowdsourse Polling
App Builders – No Coding Required

- Configurable Apps
- Esri Story Maps
- Web AppBuilder for ArcGIS
- AppStudio for ArcGIS
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4. Suite of apps
ArcGIS: Geographic Information Systems Enterprise Platform

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Enterprise Platform

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Overview:
Integrated Vector-Borne Disease Surveillance and Control
Maps and Apps to manage mosquito populations and combat the spread of disease
Why We Care ▶ Significant Impact of Vector-borne Disease

• More than 17% of all infectious diseases are vector-borne
  - 1+ million deaths annually
• 2.5+ billion people in over 100 countries are at risk of contracting dengue alone
• Malaria causes 600,000+ deaths every year, most are children under 5 years old
• Chagas disease, leishmaniasis and schistosomiasis affect hundreds of millions of people worldwide

Many of these diseases & deaths are preventable!

http://www.who.int/mediacentre/factsheets/fs387/en/
Geography Matters ➤ Global Distribution of Aedes aegypti Mosquitoes
Understanding Climate, Season, Habitat, Populations, and More
Different *mosquitoes* can carry different diseases

- **Aedes**
  - Chikungunya
  - Dengue fever
  - Rift Valley fever
  - Yellow fever
  - Zika

- **Anopheles**
  - Malaria

- **Culex**
  - Japanese encephalitis
  - Lymphatic filariasis
  - West Nile fever

There are many kinds of vectors and the workflows can be similar: sandflies, ticks, fleas, black flies, Tsetse flies and more

http://www.who.int/mediacentre/factsheets/fs387/en/
Need  ➤ Protect the Health of Residents

- Performing surveillance
- Responding to public requests
- Delivering interventions in the form of treatments or controls
- Communicating through public outreach and education
Need

Reducing health risk through faster response

- Response from treatments, controls, outreach and education
- Identification from routine surveillance or public requests

Faster = Less Risk Response

Disease presence → Recovery

Traditional methods vs. Faster response
Solution

A Location Strategy for integrated surveillance and control

**Dispatch**
- Quicker response times & resource allocation
- Call center/field staff integration

**Field staff**
- Increased operational efficiency
- Automated workflows

**Oversight**
- Improved Decision-Support
- Operations Dashboard

**Analysis and communication**
- Discover temporal and spatial trends
- Communicate risks to the public
- Powerful analytic and visualization tools
Combat Vector Borne Diseases
Solution Offering

Engage Citizens
- Report Mosquito Activity
- Request Spray Exclusion
- Locate Mosquito Spray Areas

Track Vector-Borne Diseases
- Mosquito Health Concerns

Monitor Mosquito Populations
- Mosquito Population Surveillance

Conduct Field Operations
- Mosquito Field Operations

Suppress Adult Mosquitoes
- Mosquito Adulticide Planning

Control Juvenile Mosquitoes
- Mosquito Larvicide Reporting

ArcGIS
Engage Citizens

Combat Vector Borne Diseases

Mosquito Service Request

Mosquito Service Request Dashboard

Mosquito Service Request Manager

Report Mosquito Activity
Engage Citizens

Request Spray Exclusions

Locate Mosquito Spray Areas

Combat Vector Borne Diseases
Conduct Field Operations

Combat Vector Borne Diseases

Mosquito Field Operations
Suppress Adult Mosquitoes

Combat Vector Borne Diseases

Mosquito Adulticide Planning
Control Juvenile Mosquitoes

Combat Vector Borne Diseases

Mosquito Larvicide Reporting
Monitor Mosquito Populations

Mosquito Population Surveillance

Combat Vector Borne Diseases

Mosquito Population Surveillance Charts
Track Vector-Borne Diseases

Combat Vector Borne Diseases

Mosquito Health Concerns

Mosquito Health Concerns Summary
Resources

Solution Templates

[Image]


Solution Offering

[Image]

http://go.esri.com/vector-ready
Demo

Vector Borne Disease Surveillance and Control Solutions
Overview: Reducing Homelessness

Maps and Apps to help HHS agencies better serve the homeless
The Problem: How to Reduce Homelessness and Better Serve the Homeless

- **Understand the Extent of the Problem**
  - Plan mandated counts
  - Conduct mandated counts
  - Year-round monitoring

- **Connect Impacted Populations with Resources**
  - Inventory resources
  - Keep inventory current
  - Communicate available resources

- **Understand and Communicate Extent and Implications**
  - Identify areas/populations at highest risk
  - Educate the community
Reduce Homelessness Solution Templates

- **Conduct Point-in-Time Counts**
  - Homeless Count Survey
  - Homeless Count Dashboard
  - Homeless Count Results

- **Inventory Health Resources**
  - Health Resource Inventory

- **Report Homeless Activity**
  - Homeless Activity Reporter

- **Find Homeless Services**
  - Homeless Service Locator
Conducting Point-in-Time Counts
Reduce Homelessness Solution Templates

Homeless Count Survey
Conducting Point-in-Time Counts
Reduce Homelessness Solution Templates

Homeless Count Dashboard

552 213 339

Homeless Count Results
Inventory Resources for the Homeless
Reduce Homelessness Solution Templates

Health Resource Inventory
Find Homeless Services
Reduce Homelessness Solution Templates

Homeless Service Locator
Report Homeless Activity
Reduce Homelessness Solution Templates

Homeless Activity Reporter
Route and Track Homeless Activity Reports
Reduce Homelessness Solution Templates

Homeless Activity Manager

Homeless Activity Dashboard
Resources

Health and Human Services

Reduce Homelessness
A collection of maps and apps used by health and human services agencies to count the homeless population, inventory homeless resources, and increase awareness of homeless services.

Conduct Point-in-Time Counts
Homeless Point-in-Time Counts can be used by health and human services agencies and their network of factories to conduct sheltered and unsheltered homeless surveys.

View Application
Learn more

Inventory Health Resources
Health Resource Inventory can be used by health and human services agencies to inventory homeless, drug, treatment, and other service providers in a community.

View Application
Learn more

Get Started
Learn how to leverage your geographic information and the ArcGIS Platform to improve government services and enhance services delivered to the general public.

Online Mapping Platform
Our ArcGIS Online model implementation will help you organize your geographic information and provide collaboration in your organization.

Learn more

Discussions on GeoNet
File Tool in a Panel —
August 21, 2017
Does anyone know if there is an option for a File tool in the parcel editor? — Continue reading

Experience interfacing with Laserfiche

Solution Templates

http://solutions.arcgis.com/local-government/health/homeless/

Mobile Offer: http://go.esri.com/mobile-offers

Story Map: http://arcg.is/P895n
Demo
Reduce Homeless Solutions
Overview: ArcGIS for the Opioid Epidemic
Maps and Apps to help your community fight back
The Problem: Effective Execution of Comprehensive Opioid Strategies

• Communication and Collaboration Are Critical
  - Citizens, At-Risk Populations
  - Providers
  - Policy-Makers and Funders
  - Coordinating Internal Resources and Across Departments

• Supporting Data-Driven Decision-Making
  - Leveraging data you already have
  - Key datasets not timely or high quality
  - The right analytical tools for the right user
  - Information Products for Decision-Making
  - Data Security

• Costs are Rising
  - Demonstrating ROI is a growing problem

…Questions of “Where” cut across every aspect of an opioid strategy…
ArcGIS for the Opioid Epidemic Solution
A Collection of Maps and Apps to help your community tackle the opioid epidemic

Improving Education
- Educate the Community about the problem with interactive Story Maps

Accessible Treatment
- Web mapping apps for promoting treatment Options

Successful Prevention
- Apps to collect and measure Drug Drop-Box activity
- Apps to Monitor and Coordinate the Strategy

Effective Response
- Monitor Opioid Response
- Track Naloxone Deployments
- Citizen Reporting of Drug Tips

Apps For:
- First Responders
- Executives
- Public Health Professionals
- Analysts
- Citizens
ArcGIS for the Opioid Epidemic Solution
Leverages and integrates authoritative datasets on the problem and the response

**Monitor Opioid Response**
- Opioid Awareness Maps Project for ArcGIS Pro
- Opioid Awareness Story Map

**Monitor Opioid Response**
- Opioid Response Dashboard
- Opioid Death Reporter
- Opioid Overdose Reporter

**Promote Treatment Options**
- Locate Treatment Providers
- Find Pain Management Options
- Inventory Health Resources

**Track Naloxone Deployments**
- Naloxone Deployment Reporter

**Measure Drop-Off Effectiveness**
- Find Drop-off Locations
- Track Drop-off Collections
- Inventory Health Resources

**Report Drug Activity**
- Drug Activity Reporter
- Drug Activity Manager
- Drug Activity Dashboard

…to deliver a collection of focused maps and apps to tackle the opioid epidemic
Apps Enabling Community Education

ArcGIS for the Opioid Epidemic

Organize and share death and overdose data

Share your community’s story:
Apps to Promote Treatment and Pain Management Options
ArcGIS for the Opioid Epidemic

Catalog resources in your community…

…and help citizens find them
Apps to Measure Drug Drop-Box Effectiveness
ArcGIS for the Opioid Epidemic

Help Citizens locate nearby drug drop-off boxes

Help officials tabulate and report collection weights
Apps to Track Naloxone Deployments
ArcGIS for the Opioid Epidemic

Understand where naloxone gets deployed in real-time

Calculate save rates

Identify Spatial Patterns to Optimize Availability
Apps Enable Citizen Reporting of Drug Tips
ArcGIS for the Opioid Epidemic

Enable Drug Tip Reporting for Citizens

Assign and Manage Officer Follow-Up Activities
Apps to Manage Your Strategy and Communicate to Stakeholders
ArcGIS for the Opioid Epidemic

Capture and build authoritative datasets on opioid deaths and overdoses in your community

Enable Executive Oversight into current trends and the progress of your strategy

Enable open data pages to facilitate transparency and data sharing with public stakeholders.
Demo

Combat the Opioid Epidemic Solutions
Demo

Configure First Approach with Survey123 and Web App Builder