What’s New with ArcGIS
Apps for the Field

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Agenda

• **ArcGIS Field Apps. An overview**
  - Explorer for ArcGIS
  - Navigator for ArcGIS
  - Collector for ArcGIS
  - Survey123 for ArcGIS
  - Workforce for ArcGIS

• **Patterns of use**

• **Open Q&A**
Common Use Cases

- Hydrant Inspections
- Map Change Requests
- Joint Use Surveys
- Damage Assessments
- Water Quality Inspections
- Permit Inspections
- Sign Inventory
- Streetlight Inventory
- Guardrail Inspections
- Census Surveys
- Mosquito Abatement
- Well Inspections
- Meter replacement program
- Meter Inspections
- GCP Collection
- Leak Surveys
- Debris Reporting
- Valve Inspections
- DUI Checkpoint
- SCAT collection
- Trail mapping
- Park and trail viewer
- Parcel mapping
- Tree-trimming
- Pigging operations
- Invasive Species Mapping
- Aquatic surveys
Field GIS

- Configurable apps
- Connecting the field with the enterprise
- Built on top of the ArcGIS Platform

Taking GIS Beyond the Office
Enhance workflows by pairing apps

- Operations Dashboard for ArcGIS
- Explorer for ArcGIS
- Drone2Map for ArcGIS
- Survey123 for ArcGIS
- Collector for ArcGIS
- ArcGIS Pro
- Workforce for ArcGIS
- Navigator for ArcGIS

Field Operations
An overview of ArcGIS apps for the Field
ArcGIS Pro Publisher Extension

Your Pro maps, mobile friendly, for everyone to use

Create offline maps for everyone

View in Explorer or your branded app

Available in ArcGIS Pro
Workforce for ArcGIS
Coordinate field work

Plan, coordinate field work

Location Awareness

Optimize field operations
Workforce for ArcGIS

Integrate ArcGIS Apps to streamline field workflows

- Manage To-Do list, report location and work status
- Navigate directly to your work
- Capture and update data:
  - Map: Collector for ArcGIS
  - Form: Survey123 for ArcGIS
- Complete field work
Utilities Kinston, Ontario, Canada

- 15,000 customers
- 4 field crews of two
- 5300 gas meter inspections
Puerto Rico Vector Control Unit

- Use Workforce and Survey123 to control vector borne diseases zika, chikungunya and dengue.
- Workforce projects for
  - Trap Deployment
  - Vector Surveillance and trap maintenance
  - Vector Control and education
Navigator for ArcGIS
Get your field workforce where it needs to be

Leverage your own map (search, route, display)

Create routes honoring your specific vehicle type

Work offline - maps are on your device

Available on the App Store
Proven Return on Investment

Natural Resources, Utilities, Government, Commercial…

Building Inspections

“We are saving $197,000 per year on mileage and inspectors’ time by using ArcGIS.” Rich Franz-Under
Custom Navigation Maps

Enhance existing maps or build your own from scratch

ArcGIS Pro

ArcGIS Online
or
ArcGIS Enterprise

Navigator

Package*

Download

Share

Copy

*Requires Network Analyst extension

Customize the Map
• Search (geocode locators)
• Route (network dataset)
• Display (basemap)
High Accuracy Data Collection

Sub-meter accuracy

Differential Corrections
Oldham County Water District
High Accuracy Data Collection

• Accurately map assets
• Integrated Workflow
  - In the field
  - In the back office

“Installing each meter used to cost us approximately $211.91 in labor and fuel. With the high-accuracy mobile GIS workflow, the cost per meter went down to $111.19.”

— Kenny Ratliff, GIS Manager, Oldham County Water District of Kentucky
Wildfire Damage Assessment
What’s coming (Aurora 2018)

- Better maps
  - Labels, Advanced symbology
  - Vector basemaps
- High Accuracy
  - Support Z values
- New user experience
  - Map/Form experience
- Offline
  - Pre-planned workflows
- Smarter forms
  - More input types (Barcodes, QR codes)
  - Arcade expressions

Collector (Aurora) Planned Release Dates: iOS Q3 2018, Android Q4 2018
Survey123 for ArcGIS

Form Centric Data Collection

Simple data collection experience

Web & Native / Desktop & Devices

End to end data collection workflow
Field Data Collection

City of Adelaide
Building Inspections

Iowa DOT – Material Sampling

Oakville, ON – Fire Alarm Inspections
American Red Cross

• Field Damage Assessments
• ArcGIS Enterprise
• Thousands users

• Boost Field Productivity
• Reduces errors
• Real time decisions
Design Smart Forms

Survey123 Web Designer and Connect

• Web Designer
  - WYSIWYG from your web browser
  - Easy to get started

• Survey123 Connect
  - Design with XLSForms
  - Downloadable app
  - Advanced features
Survey123 apps
Web app and Field (native) app

• **Survey123 web app**
  - Nothing to install
  - Runs on your browser
  - Online surveys

• **Survey123 Field app**
  - iOS, Android, Windows, Mac
  - Works offline and online
  - Add and Update features
  - Sensors and advanced features
Analyze Survey results

Custom Reports, Trends, Visualization....

• Ready to use Reporting tools

• Understand data submission patterns
• Create detailed survey reports
• Aggregate survey data
• Selectively download data
Explorer for ArcGIS

Your maps in your mobile device

Your maps anywhere

Access information while disconnected

Sketch, annotate, and communicate

Available on the Google Play and App Store
County of San Diego
Transportation planning and maintenance

Search for specific signs, traffic lights, culverts

Locate assets once on-site using compass mode

Launch work-order system
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Available in ArcGIS Pro

ArcGIS Pro → Mobile Map Package (MMPK) → Explorer for ArcGIS
Enhance workflows by pairing apps

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Patterns of Use

ArcGIS apps for the Field
Enhance workflows by pairing apps

Collect and Monitor

Survey123 Collector

Operations Dashboard

Workforce Launchpad

Survey123 Collector Navigator

Maps + Forms

Survey123 Collector Explorer

Forms + Maps

Prepare - Field

Collector Pro Navigator Explorer

Third Party Integrations

Custom App
Operations Dashboard for ArcGIS

Supporting Decision Making at a Glance

Monitor real-time operations

Key data indicators

Unattended and Interactive
Enhance workflows by pairing apps
Questions?