Operations Dashboard for ArcGIS: Monitoring Field Edits

Tif Pun & Mark Bockenhauer
An introduction to Collector for ArcGIS and Operations Dashboard

- Using ArcGIS Online to create a feature service and map for use with Collector
- Building an Operations Dashboard that makes use of the same map.
- Operations Dashboard example showing Survey123 results
- Operations Dashboard for mobile device
Operations Dashboard for ArcGIS

- A web app for authoring and viewing dashboards
- Provides data summaries on a single web page
- Available in ArcGIS Online & ArcGIS Enterprise 10.6 (and beyond)
Patterns of use

• Monitor and manage operations
  - IoT (e.g. sensor feeds)
  - Provide common operational picture

• Event Management
  - Situational awareness, emergency management

• Summarize key performance
  - Visualize assets, personnel, activities, weather
Monitor Field Edits
Interactive dashboard
Demo

Mobile Dashboard
Recap

• **Dashboards:**
  - A dashboard shows summaries of information at a glance
  - Know your audience before designing a dashboard

• **Interactive dashboards:**
  - Actions (map and filter actions) can be applied to elements
  - Actions are triggered by user events (selection change, extent change)
  - Actions can be defined at:
    - Visual elements (list, map, charts), or
    - Selectors (date, category, number)
  - Multiple actions can work together to present a focused view of data
Recap (Cont’d)

- Mobile dashboards:
  - Less is more
  - Mobile dashboards are complement, not replacement, of desktop dashboards
  - Mostly used to show performance. Gauges and indicators are ideal tools
  - Avoid refresh interval, texts, map tools
  - Be conservative in using groups, stacks and selectors
  - Use colors effectively
    - Convey meaning
    - Highlight key info/outliers
Resources

• Product Documentation:  https://arcg.is/2lVIC0R
• Blog:  https://www.esri.com/arcgis-blog/?s=#&products=ops-dashboard
• GeoNet:  https://arcg.is/2zamYzd
• ArcGIS Solutions:  https://arcg.is/2lYHzNP
• Training webinar:  https://arcg.is/2np1xCI

• Bonus tip:
  - Want to see how a cool dashboard was configured?
  - Change:  https://www.arcgis.com/apps/opsdashboard/index.html#/itemId
  - To:  https://www.arcgis.com/apps/opsdashboard/index.html#/new?id=itemId
Please Take Our Survey on the App

Download the Esri Events app and find your event

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<th>WORKSHOP</th>
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<td>• ArcGIS Apps for the Field</td>
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<td>All Apps + Operations Dashboard</td>
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