Top 10 Things at Esri UC 2015 & ArcGIS Pro

Jim Tochterman, VP - Research & Development
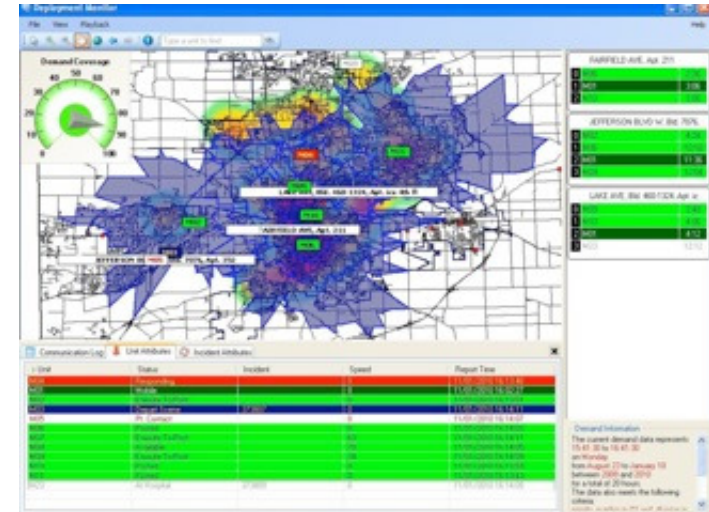
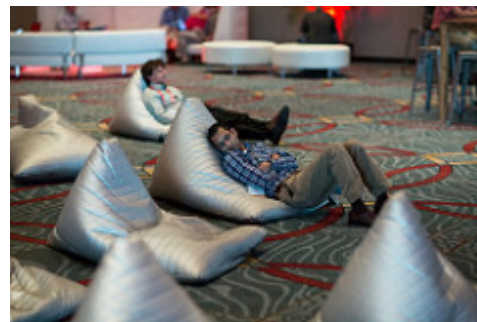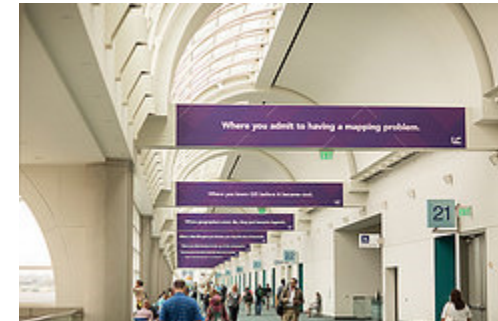**BCS** | **Bradshaw Consulting Services**
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Who is BCS?

- Formed in 1998 in Aiken, SC

- Privately held and woman-owned

- Primary focus is GIS for Public Safety

- Esri Gold Tier Partner

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What does BCS do?

- Company Business Units

  - MARVLIS
  - Public Safety
  - Mobile Technologies
  - Esri Software Sales, Services, Training & Consulting
  - Defense/Intel

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10 – Time To Embrace Web GIS

The Web has changed how we practice and apply GIS tools & capabilities. This trend has been evolving for years and has finally made the turn.

Portals – Private/Public, On-Premise/Cloud. The hub/center of an organizations GIS. The "window" to Web GIS.

*Content* – Foundation of Web GIS. Reliable, authoritative, ready-to-use. Updated regularly.

Analysis – Heart and soul of Web GIS. Shared analysis and geoprocessing tools that can be used by anyone. Easy to understand and used to solve common geospatial problems.

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9 –Smart Mapping

Data driven web cartography & exploration. Right tools at the right time when authoring also helps explore the data in different ways. More than just a map.

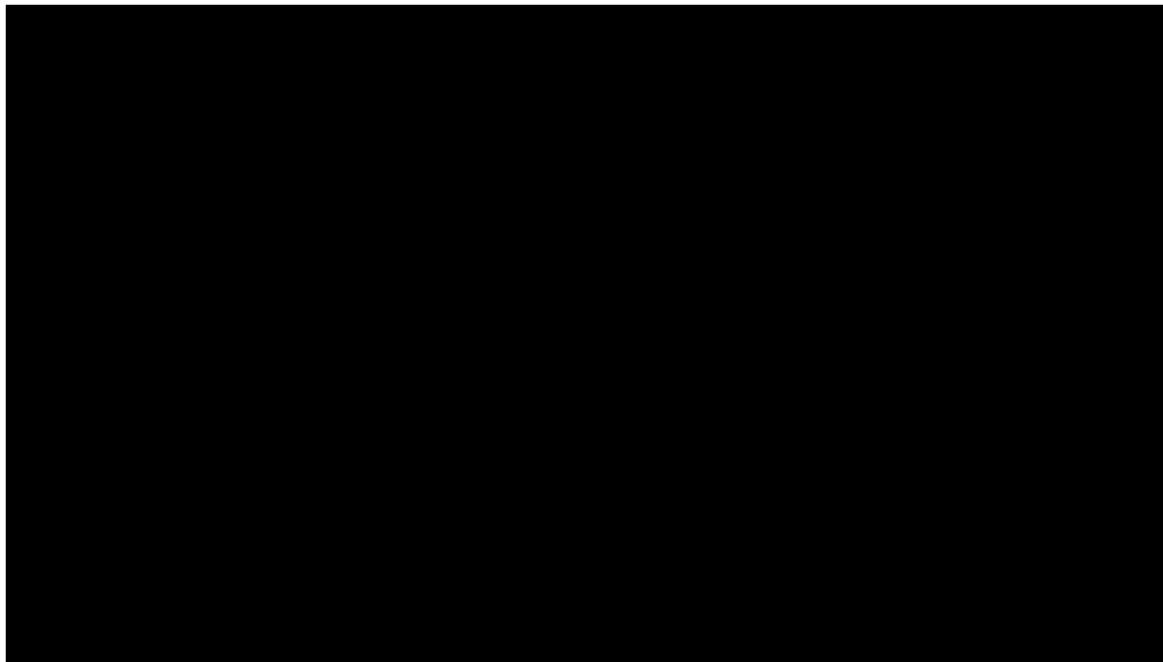Built into ArcGIS Online & Portal for ArcGIS at 10.3.1

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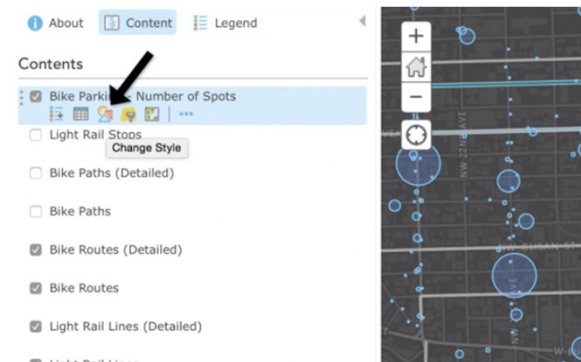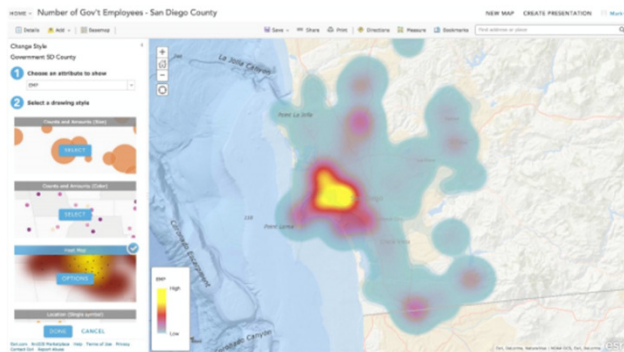
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8 – 3D Visualization

3D in the Browser. Availability & scalability is growing outside of modeling.

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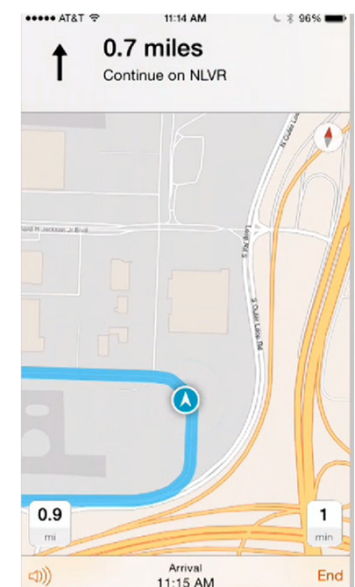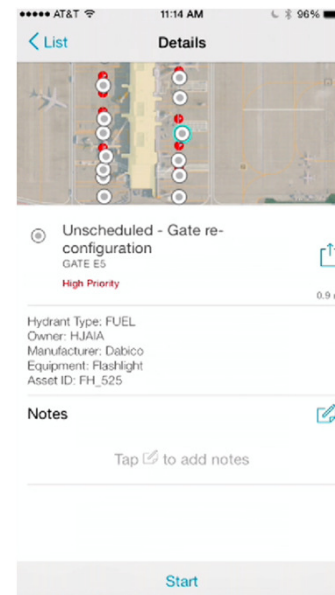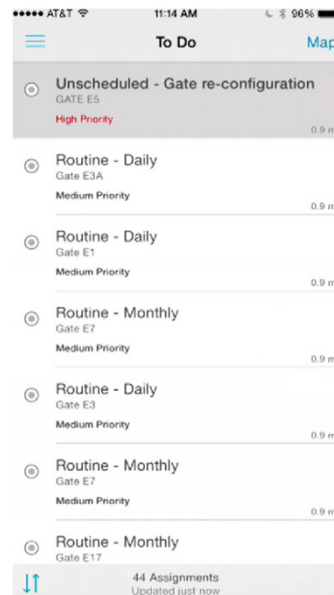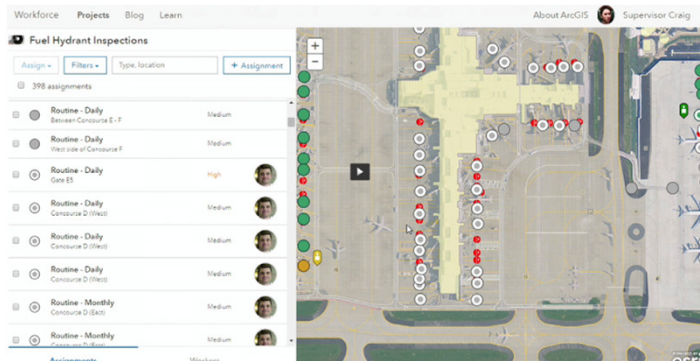# Esri UC Top 10

7 – Big Data & GeoAnalytics Tools

Open Source GIS tools for Hadoop & Cloudera. Filter & organize Big Data so it can be analyzed and visualized from a geographic perspective.

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6 – New Collector Apps

Workforce Dispatcher, Workforce Mobile, & Navigator work with Collector. Coordinate work assignments & direct field workers where they need to be.
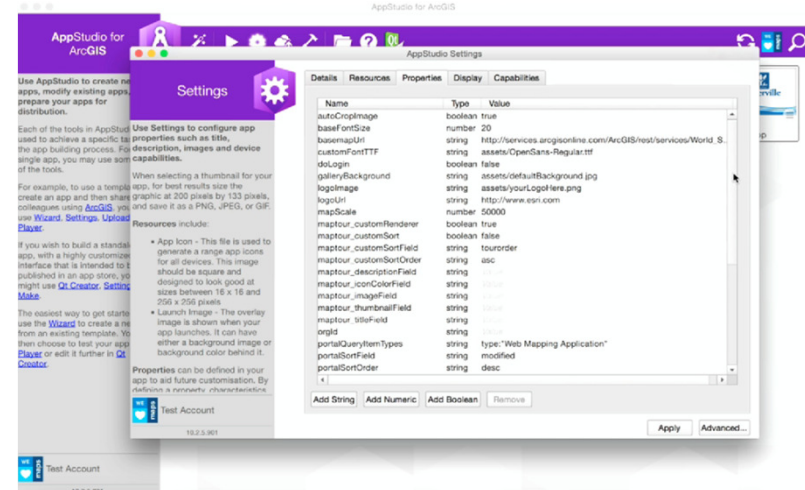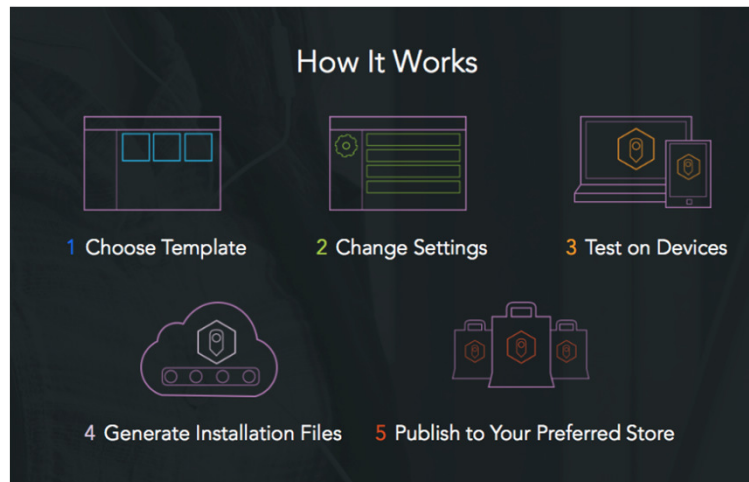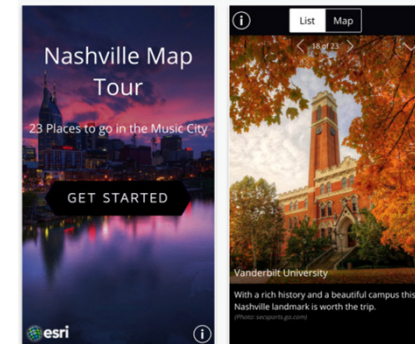
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5 – AppStudio for ArcGIS

Allows developers & non-developers to build mapping apps that run natively across multiple platforms.

iOS, Android, Windows Phone, Windows, OS X, Linux.

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4 – ArcGIS Earth

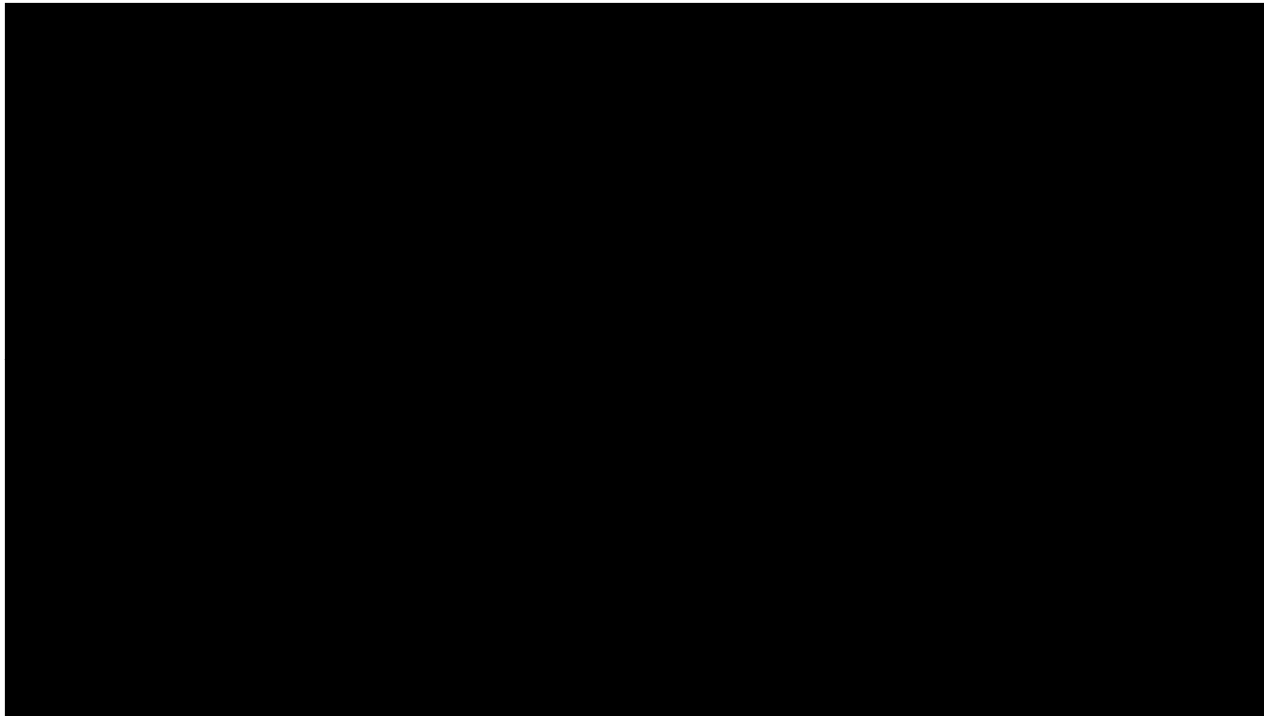Freely available, lightweight installable desktop app, 2D & 3D, Full
KML/KMZ Support. Windows initially, other OS later.

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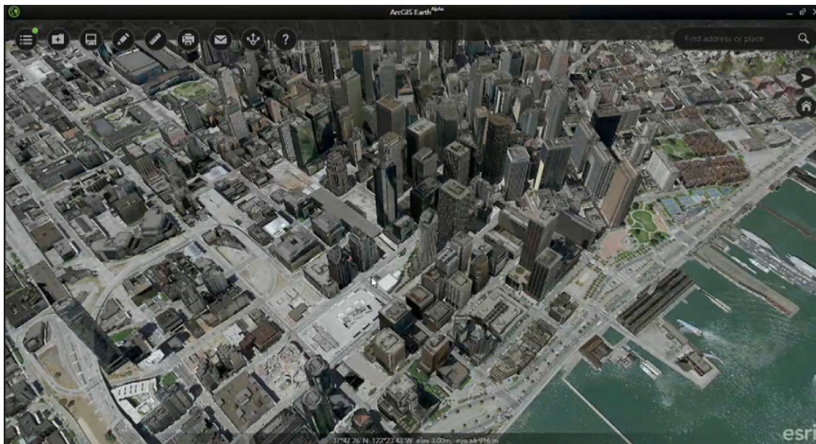
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3 – Drone Support

New application/tools to rapidly ingest, process, & share UAV collected data.

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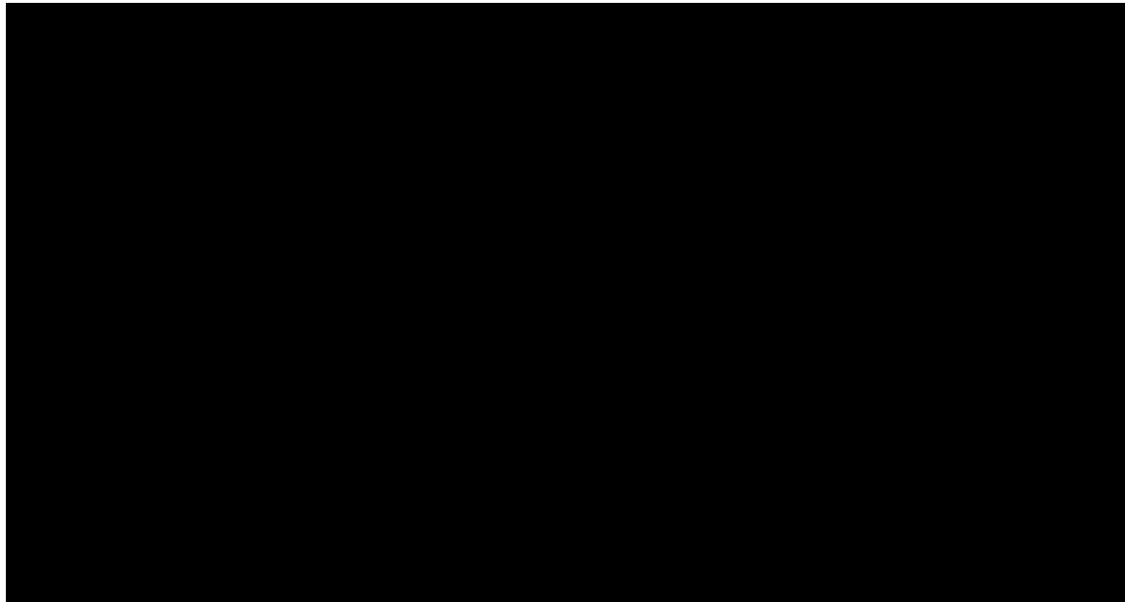**2 – Statistical & Scientific Package Support**

R & SciPy will run directly as geoprocessing tools/scripts. R developers can access ArcGIS datasets from within R, save R results back to ArcGIS datasets and equivalent representations in R.
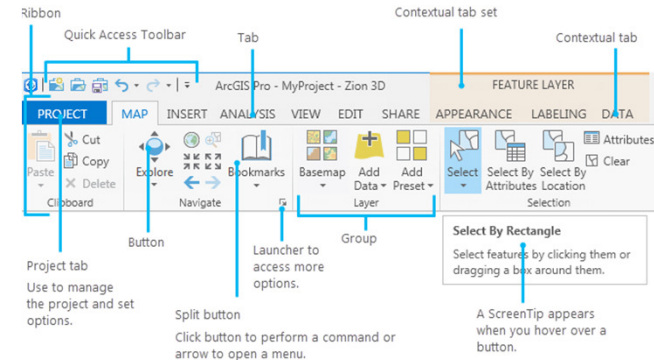

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1 – Vector Tiles Support

Fast. Dynamic interactive cartography can be customized, removes need to pre-cache different styled tiles. Provides access to underlying data. Rotate labels & symbols as map is rotated.

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ArcGIS Pro

- It IS what users have been pleading for:
  - Not a response to any other product, company, or effort
  - A decade in the making. Built for Web GIS.
  - 64-Bit & true multithreading
  - Faster geoprocessing
  - Project-based (*multi-layout, i.e. old ArcView*)
  - New graphics engine (*leverage CPU & GPU where appropriate*)
  - Updated UI (*Ribbon interface, i.e. MS Office*)
  - SxS Deployment w/ existing ArcGIS Products
    - Version agnostic
    - Next generation of ArcGIS for Desktop
    - Evolving as "Platform" evolves
    - Allows for incremental release of new features & functionality
    - Not repeating past rollout mistakes (*7.x/8.x*)

GIS is Evolving

Are you ready?

Questions?

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