

**2013 Esri Europe, Middle East,
and Africa User Conference**

October 23-25, 2013 | Munich, Germany

ArcGIS for Mobile Overview

David Cardella

The Universe pre 16th Century



The PC Universe



The User and Their Digital Universe



Users Are In Control

Users Are In Control

User Experience is Key

- User Expectations Have Been Raised
- Access their data from any where and at any time
- Affects All Areas of Our Work
- Our User Base is Changing
- Definition of a “Mobile Device” is changing

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**ArcGIS for Mobile Apps
Overview**

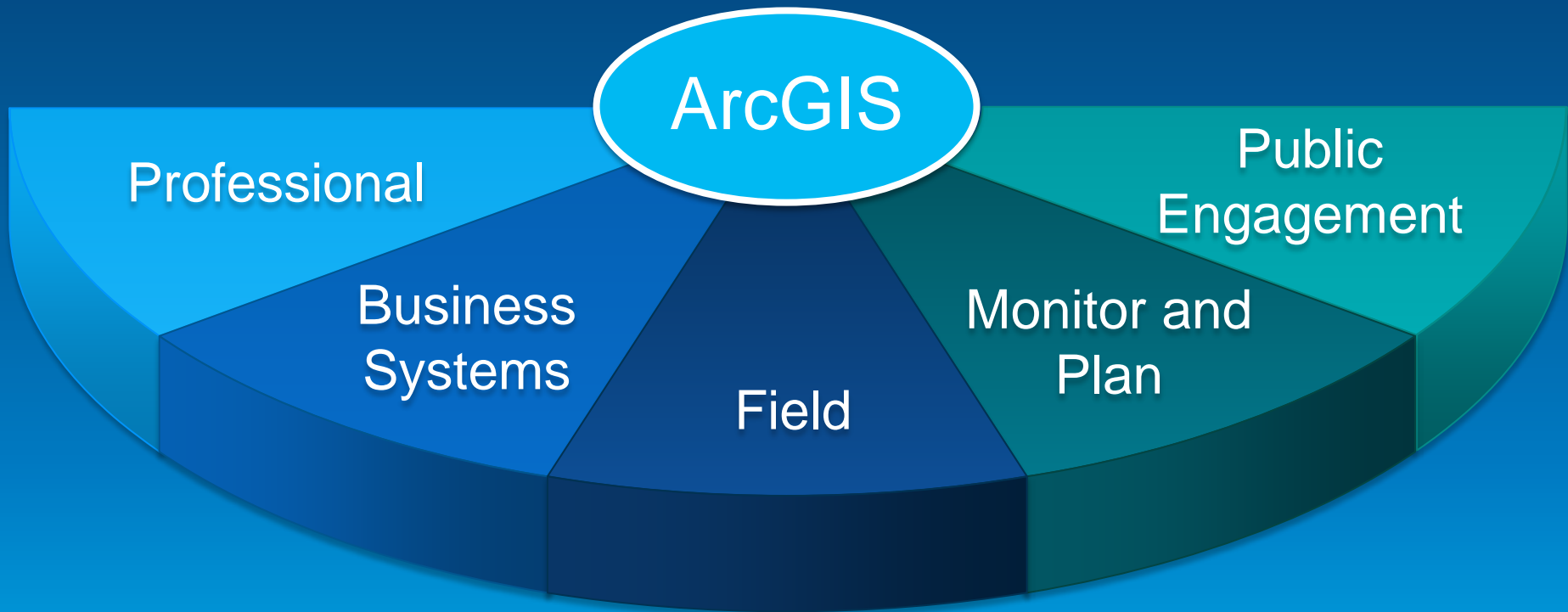
David Cardella

Apps and Applications

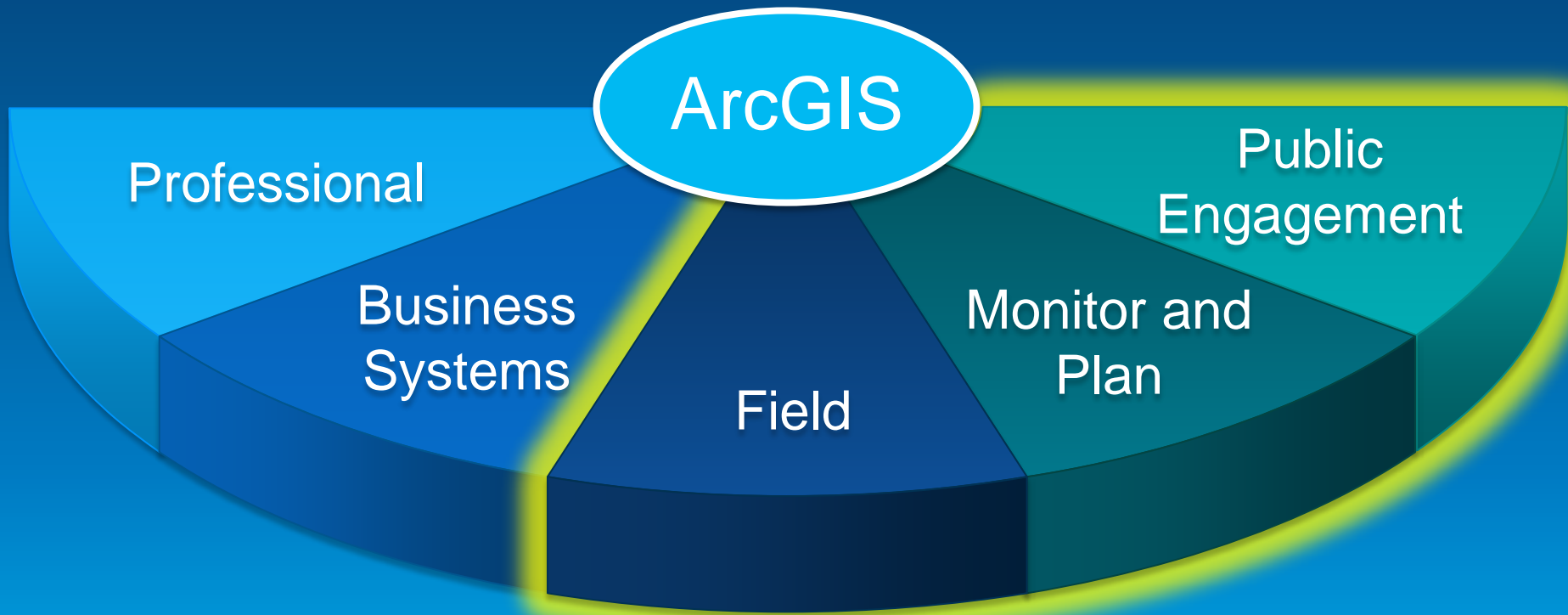
Personalized View in to the ArcGIS Platform



Apps and Applications Delivered by Esri

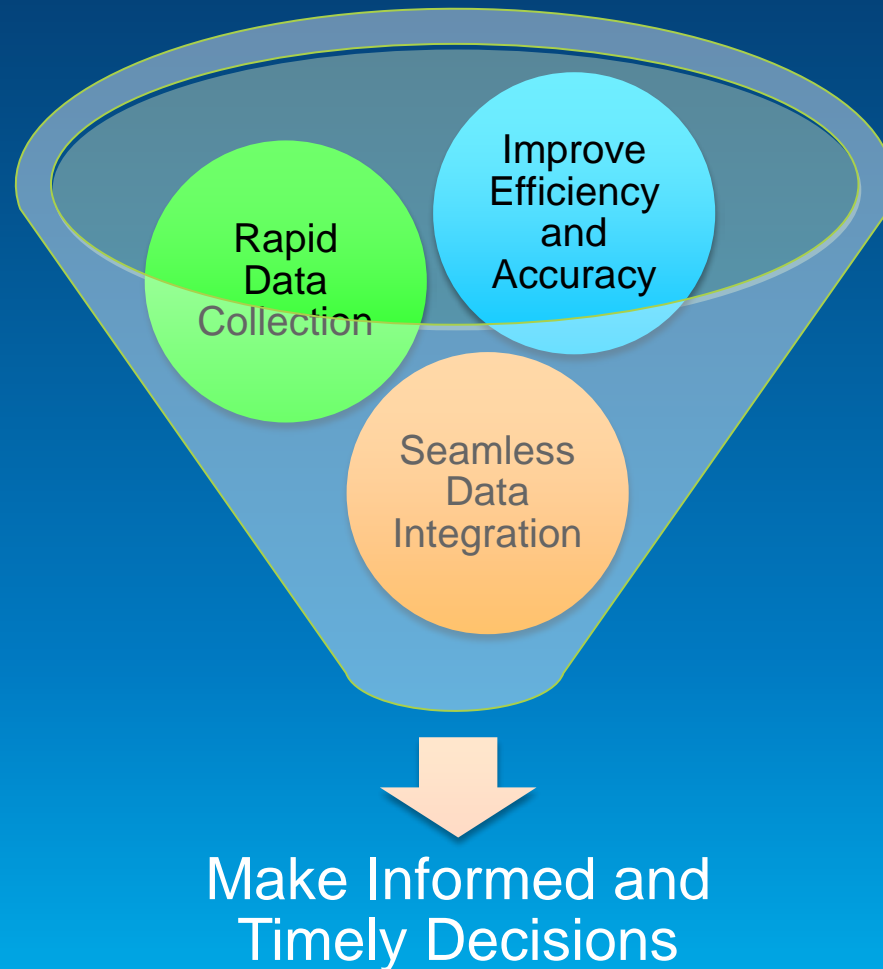


Apps and Applications Delivered by Esri



Key Benefits

Leverage your investment in ArcGIS



Apps for the Organization



Field Activities

Key Activities

1. Replace paper map books
2. Map infrastructure
3. Maintain infrastructure
4. Replace paper surveys
5. Respond to events



Capabilities

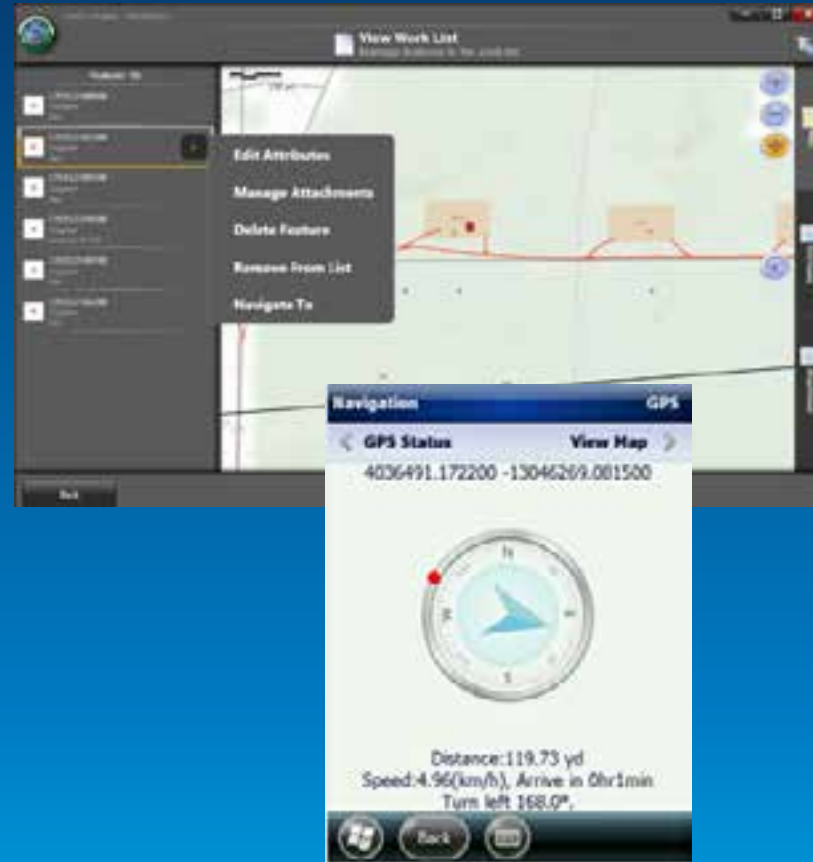
Disconnected use
Data Entry Forms
Location Tracking
Routing and Nav
Intelligent Search
Field Sync
High Accuracy GPS
Assigned Tasks
...

Platforms

Rugged Handhelds
Laptops
Tablets
Smartphones

ArcGIS for Windows Mobile

- Configurable workflows
- High accuracy GPS
- Custom forms
- Fully disconnected
- ArcGIS Online/ArcGIS Server Packaging and Deployment
- Users typically need little training
 - .NET/CF API for Windows Tablet/Mobile
 - Applications are extensible!

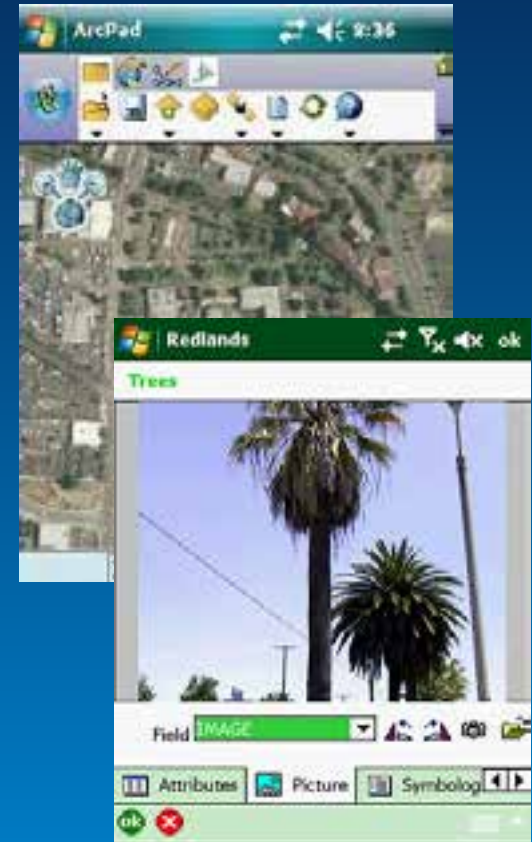


Windows 7/8 Laptops

Windows Mobile handhelds

ArcPad

- Full Featured Mobile GIS App
- Ad-hoc data collection projects
- High accuracy GPS
- Configurable
- Custom forms
- Fully Disconnected
- Users typically need GIS Training



Windows 7/8 Laptops

Windows Mobile handhelds

Collector for ArcGIS

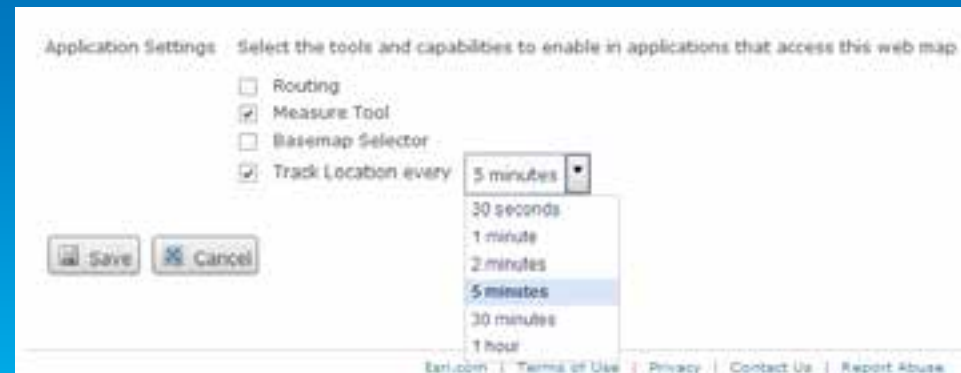
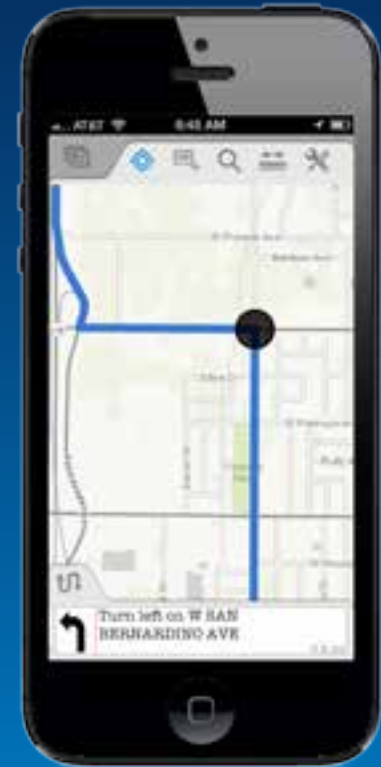
- Focused data collection experience
 - Intuitive and easy to use
- Complete intelligent data entry forms
- Attach photos and video
- Find places and points of interest
- Measure distance and area



Available on iPhone and Android Phones

Collector for ArcGIS

- Directions
- Integrated within the ArcGIS system
- Good companion to the Dashboard app
 - Field crew tracking
- Configurable



Available on iPhone and Android Phones



Collector Demo

Apps for the Organization

Field
Activities



Planning
and
Operations



Public
Engagemen
t



ArcPad

ArcGIS for
Windows Mobile

Collector

Apps for the Organization



Planning and Logistics

Key Activities

1. Monitor and Manage Operations
2. Share plans
3. Present to stakeholders
4. Get answers to questions



Capabilities

- Live maps
- Graphs
- Indicators
- Charts
- Presentations
- Story telling
- Redlining
- Dispatching
- Sharing

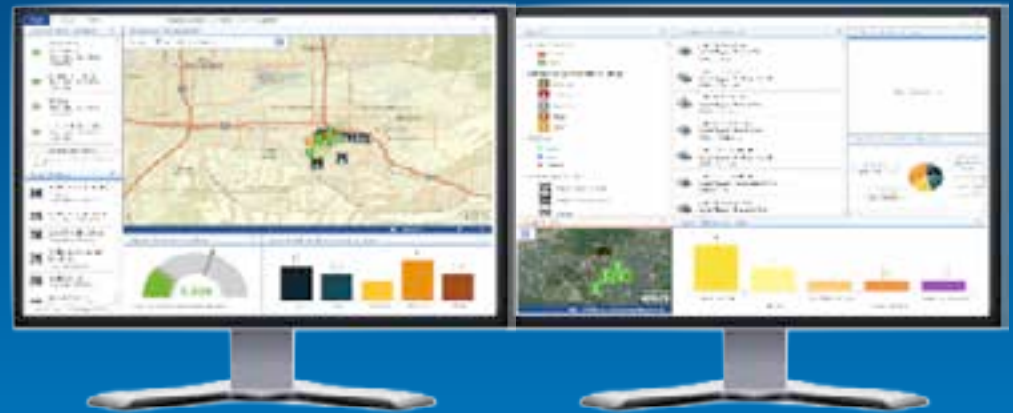
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Platforms

- Tablets
- Laptops
- Smartphones

Operations Dashboard for ArcGIS

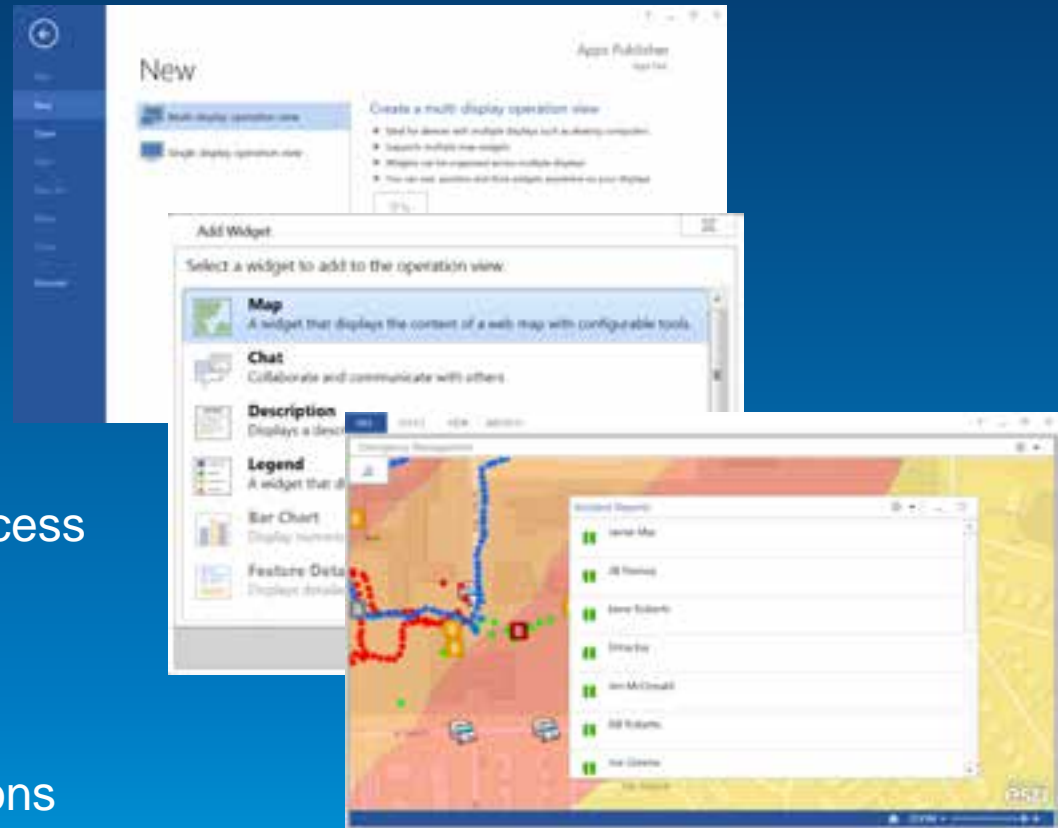
- Monitor, track and respond to Events
- Dynamic or Static data
- Multiple views
- Laptops and touch screen devices



Available on Windows and Windows tablets

Operations Dashboard for ArcGIS

- Track field crews
- Configurable
- Operational view
 - Sharing, role based access
- Extensible
 - Map tools, feature actions
 - Widgets



Available on Windows and Windows tablets



Dashboard Demo

ArcGIS App

Map viewing and display

- Role-based access
- View and Share Maps
- ArcGIS Online/ArcGIS Server access
- Popups
- Search
- editing
- Online access only



Apps for the Organization

Field Activities



ArcPad

Collector

ArcGIS for Windows Mobile

Planning and Operations



Dashboard

ArcGIS

Public Engagement



What the difference between ArcGIS and Collector?

Apps for the Organization



Public Engagement

Key Activities

1. Tell Stories
2. Inform Citizens
3. Crowd Source information



Capabilities

- Live maps
- Graphs
- Indicators
- Charts
- Presentations
- Story telling
- Redlining
- Data Collection
- Sharing

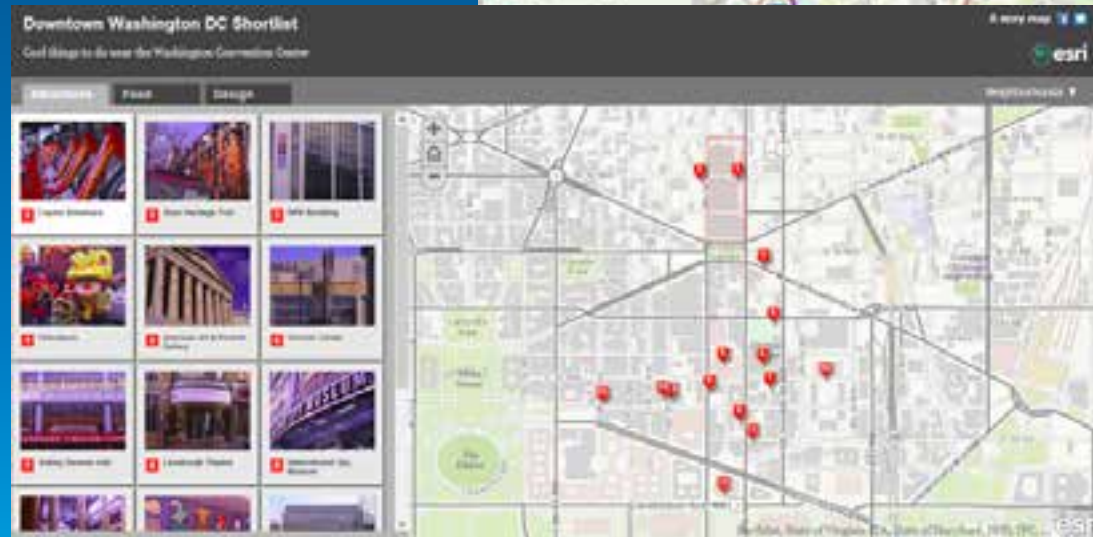
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Platforms

- Tablets
- Laptops
- Smartphones
- Web browsers

ArcGIS Online Web Application Templates

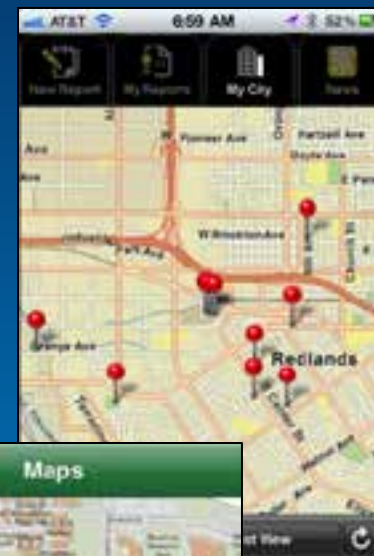
- Standard Viewers
- Story Telling Viewers



ArcGIS Runtime SDKs and Web APIs

Native ArcGIS Runtime SDKs

- Build focused, branded applications
- Development with ArcGIS Online/Portal



Apps for the Organization

Field Activities



ArcPad

Collector

ArcGIS for Windows Mobile

Planning and Operations



Dashboard

ArcGIS

Public Engagement

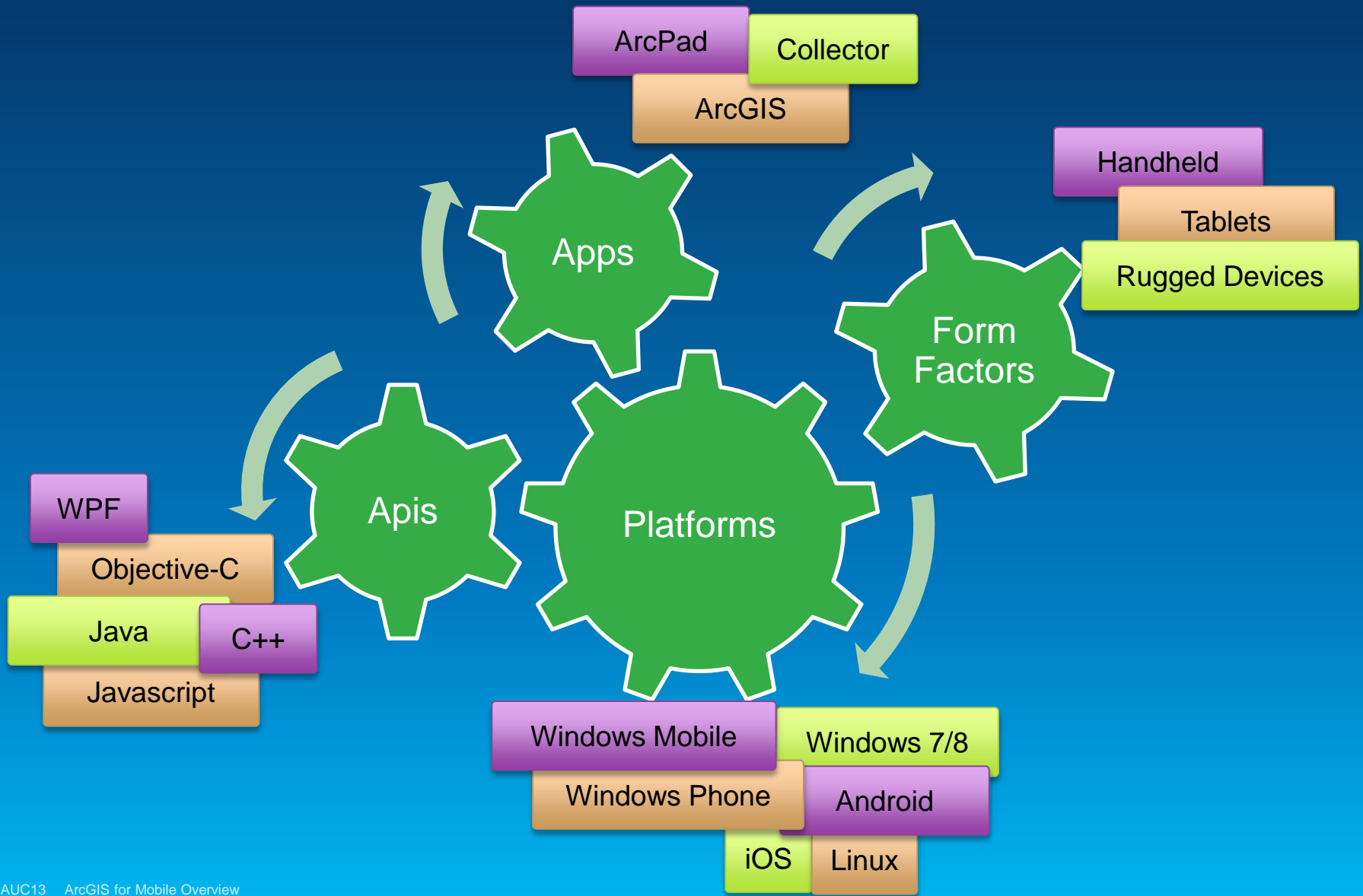


ArcGIS

Custom App

Web Templates

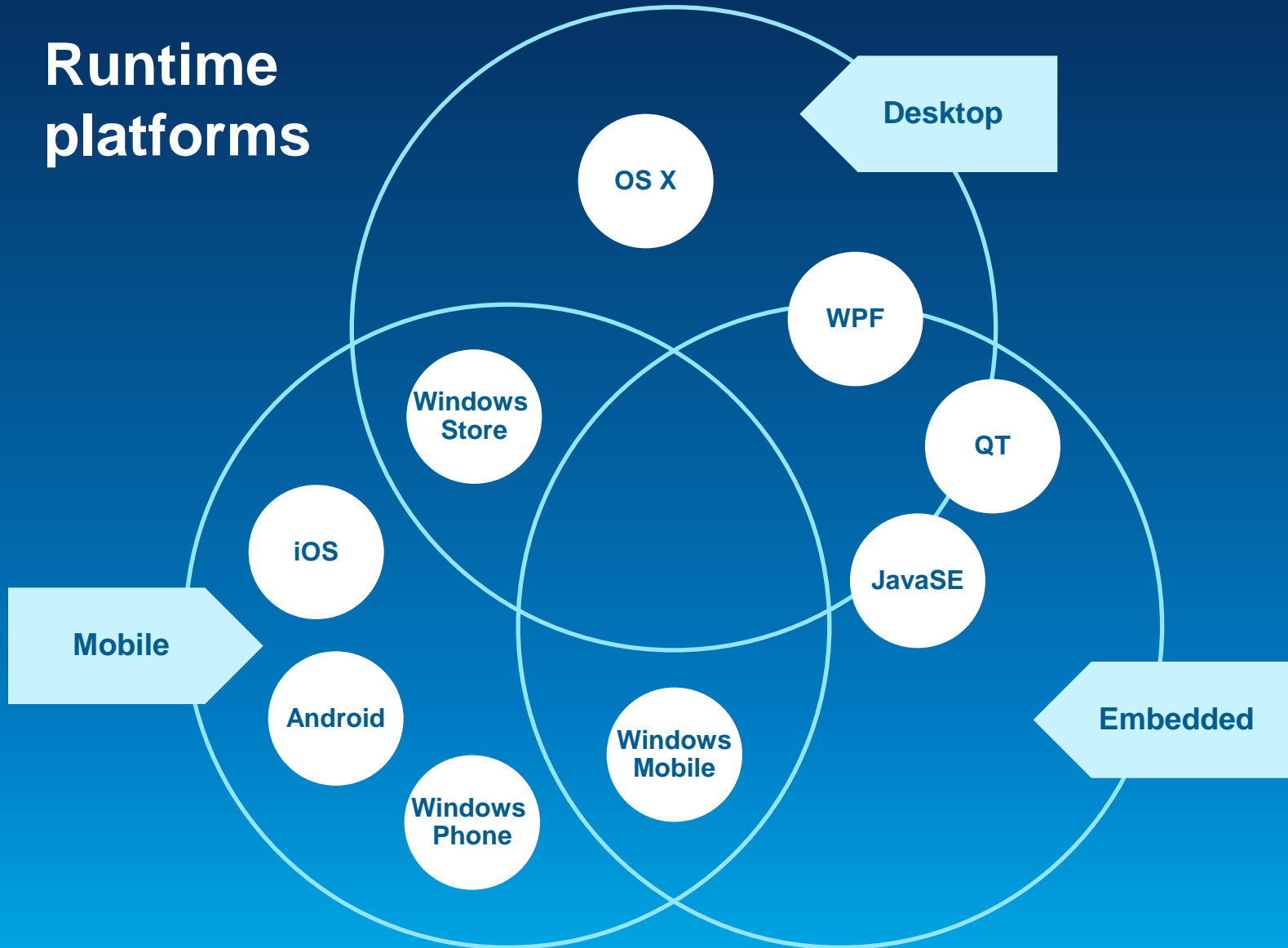
Esri Mobile Technologies



Apps on many platforms



Runtime platforms



Device Platform Strategy

Built from a common GIS Runtime

Configurable Apps

ArcGIS for iOS,
Android, Windows Phone

Collector for
ArcGIS

Operations
Dashboard

Additional Apps

ArcGIS Runtime SDKs

Mac OS X
(Objective C)

iOS
(Objective C)

Android
(Java)

Linux
(C++, Java)

Windows
Phone
(SL, XAML)

Windows
(Win Store)

Windows
(WPF)

Windows
(Java SE)

Core ArcGIS Runtime Components

Geometry

Sync Framework

Graphics

Symbols

Map Grids

Spatial Reference

Feature Cache

Tiles

Messaging

3D

Map Display

More...

Questions?

