Explorer for ArcGIS: an introduction

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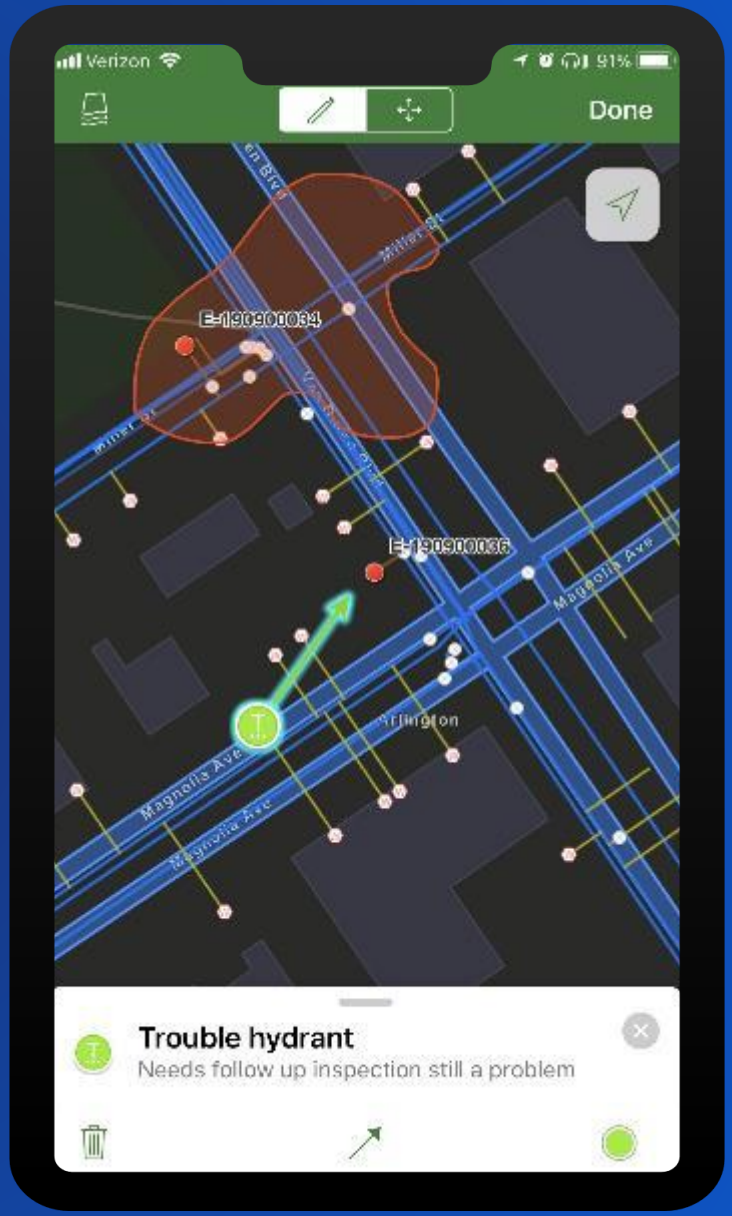
Scott Ball

SEE WHAT OTHERS CAN'T

Intro to Explorer Session Agenda

- Our approach to Field Operations
- What is Explorer?
- Common use cases
- Overview of features
- Demos
- Q&A



Field Operations | Location-enable all phases of field work

Plan
Use location to assign and coordinate field activities

Navigate
Route to your work using your roads, your GIS data – even while offline

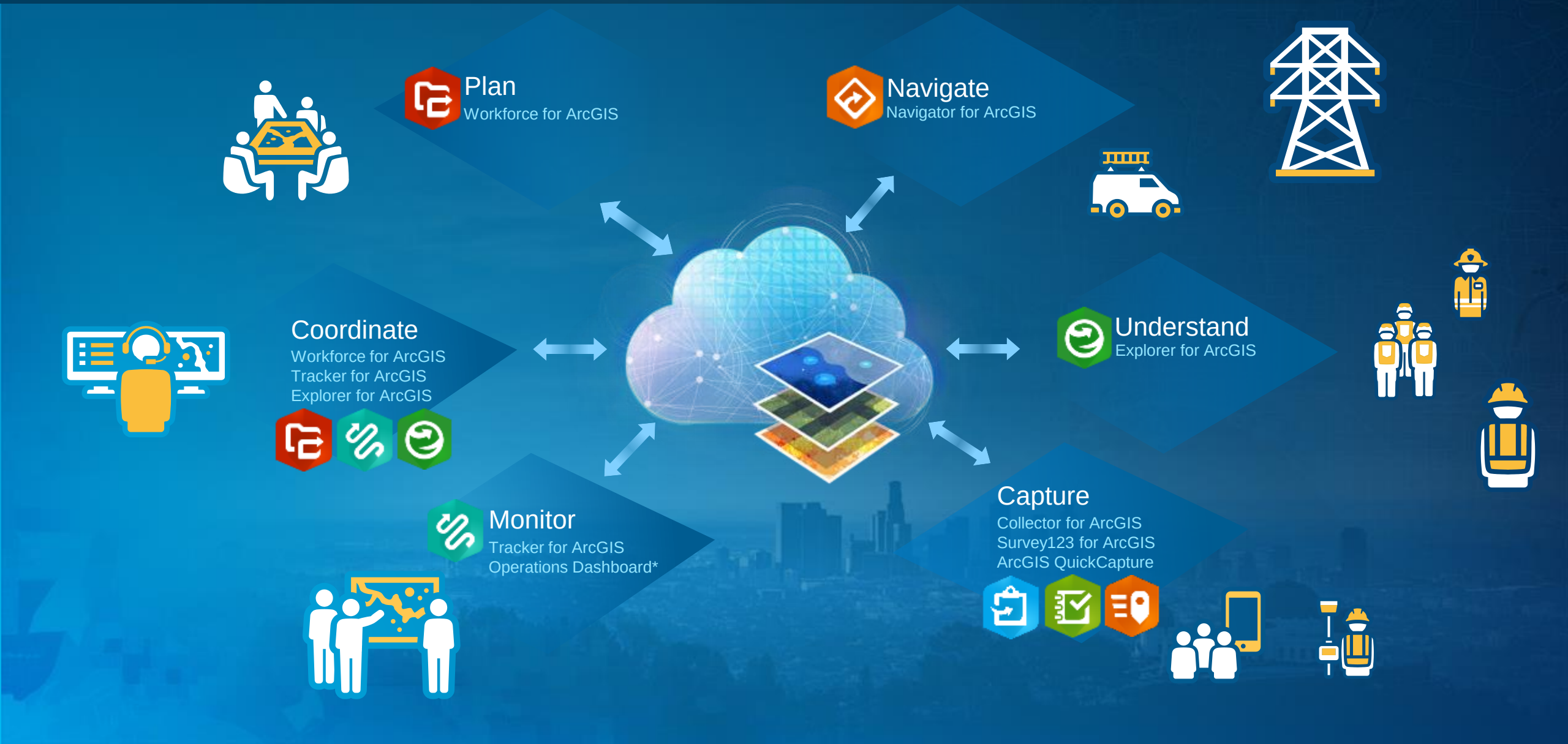
Coordinate
Act on real-time conditions in the field to update worker tasks

Understand
See what's happening around you with maps

Monitor
Know where workers are and see the progress of work in real-time

Capture
Perform data collection and send it back to the office from anywhere

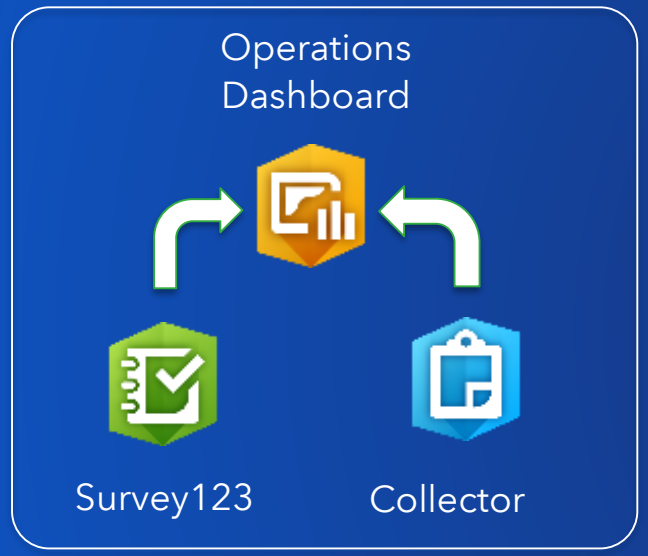
Field Operations | Location-enable all phases of field work



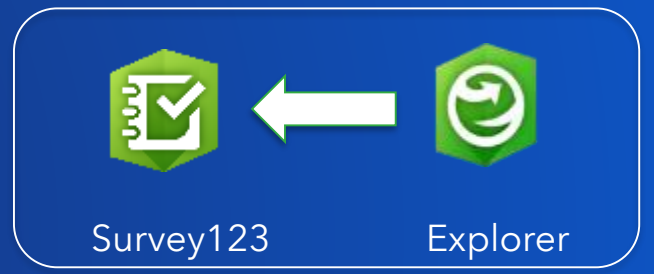
Enhance workflows by pairing apps

Maps + Forms

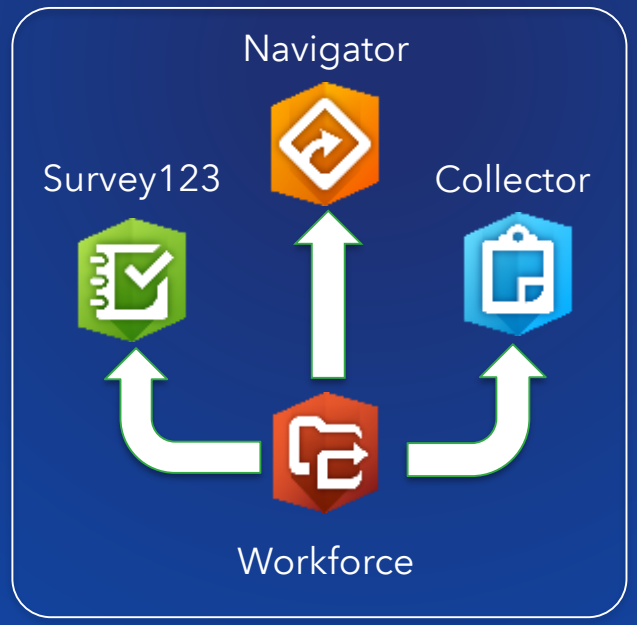
Collect and Monitor



Forms + Maps



Workforce Launchpad



Prepare - Field

Third Party Integrations

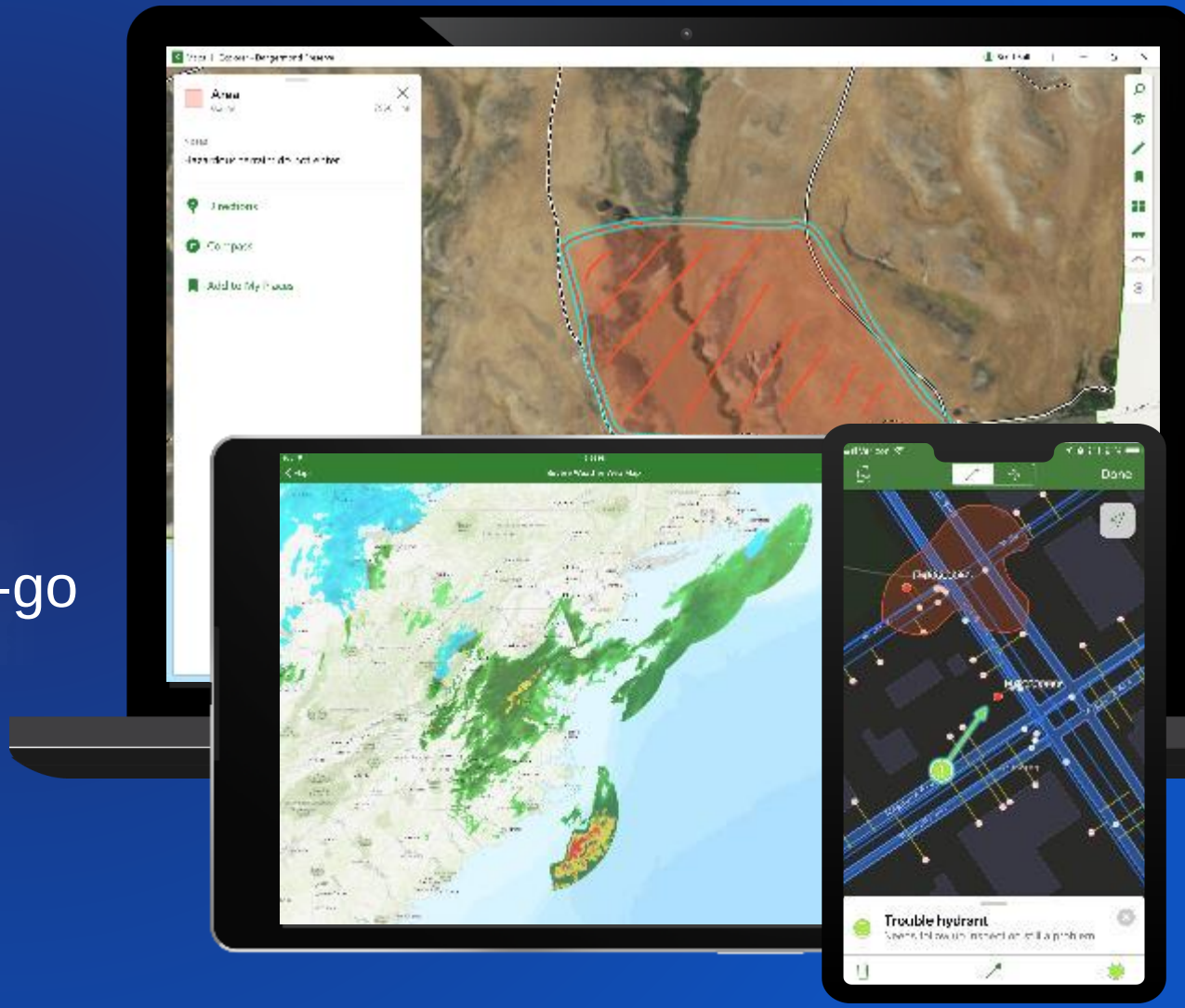
Explorer for ArcGIS

Maps at your fingertips

View your maps anywhere

Easily find field assets

Create and share notes on-the-go



Common uses

Explorer for ArcGIS

Common use cases

Explorer for ArcGIS

1. **Maintain situational awareness in the field**
2. Access detailed GIS maps and data while on-the-go
3. Provide maps and data to contractors or other 3rd parties

Common use cases

Explorer for ArcGIS

1. Maintain situational awareness in the field
2. **Access detailed GIS maps and data while on-the-go**
3. Provide maps and data to contractors or other 3rd parties

Work with your maps while

connected

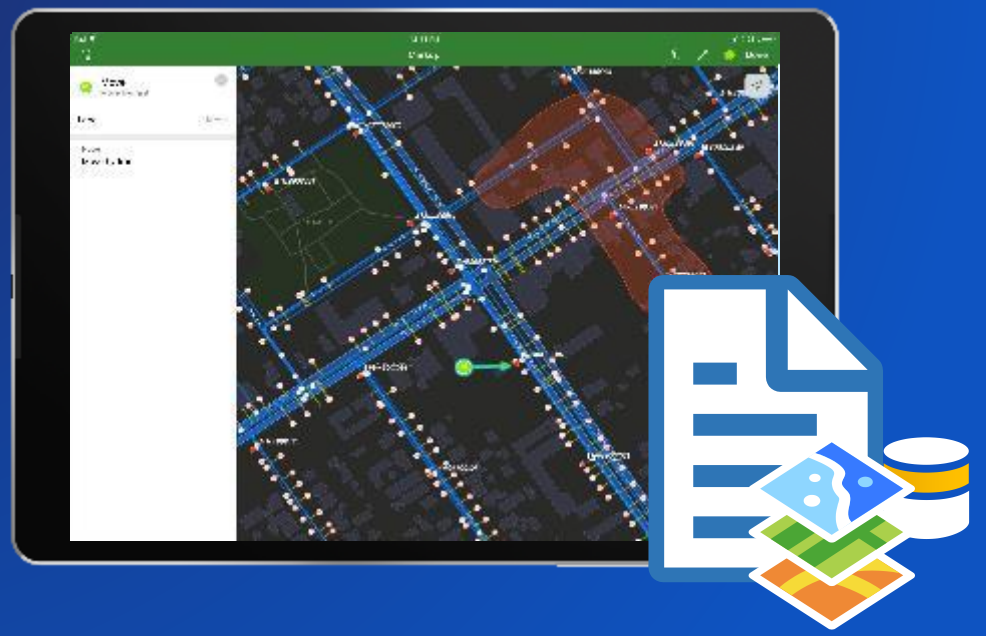
or while offline

Pre-planned areas

On-demand areas

Mobile map packages

Web maps



Common use cases

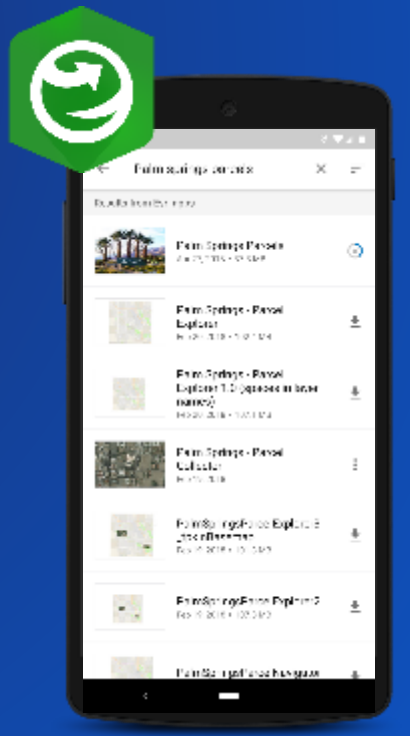
Explorer for ArcGIS

1. Maintain situational awareness in the field
2. **Access detailed GIS maps and data while on-the-go**
3. Provide maps and data to contractors or other 3rd parties

Pre-planned areas

Map author creates pre-planned areas within a web map

Mobile user downloads area(s) to device



Common use cases

Explorer for ArcGIS

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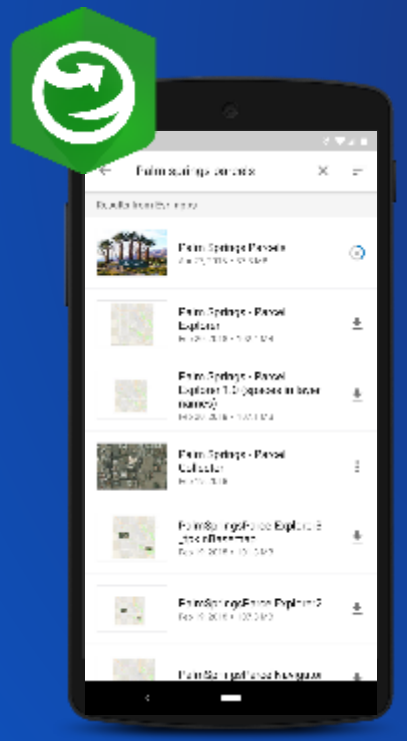
On-demand offline areas



Mobile user defines area to take offline

Offline area is downloaded to device

Common use cases

Explorer for ArcGIS

1. Maintain situational awareness in the field
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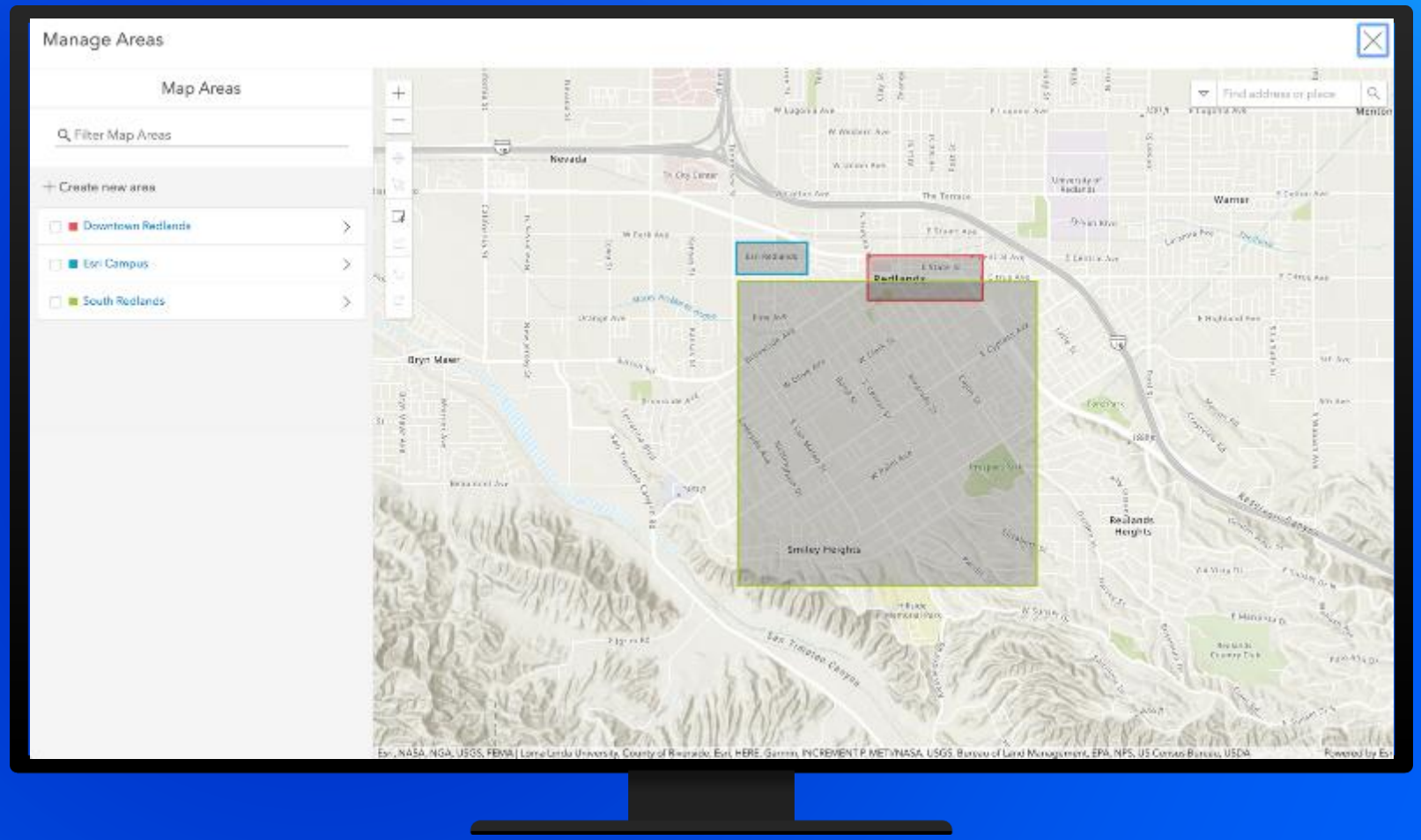
3. Provide maps and data to contractors or other 3rd parties

Mobile map packages (mmpk)

Demo

Creating and using offline maps



Common use cases

Explorer for ArcGIS

1. Maintain situational awareness in the field
2. Access detailed GIS maps and data while on-the-go
3. **Provide maps and data to contractors or other 3rd parties**

Email
FTP site
Web host
OneDrive
Dropbox

Burned CD
Thumb drive
Carrier pigeon
You get the point

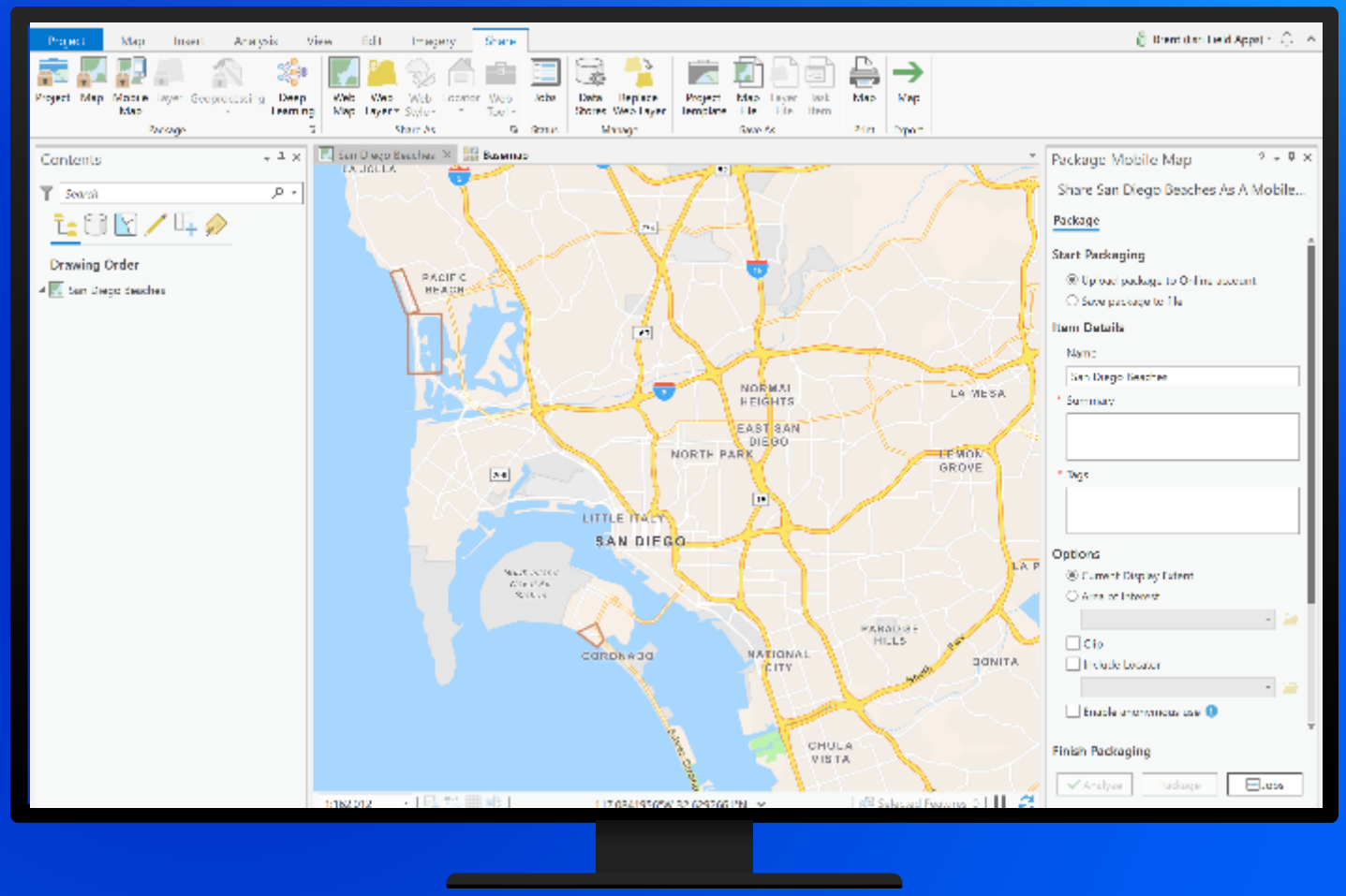
Contractors

First responders

Other agencies

Demo

Creating and using public maps



Feature overview

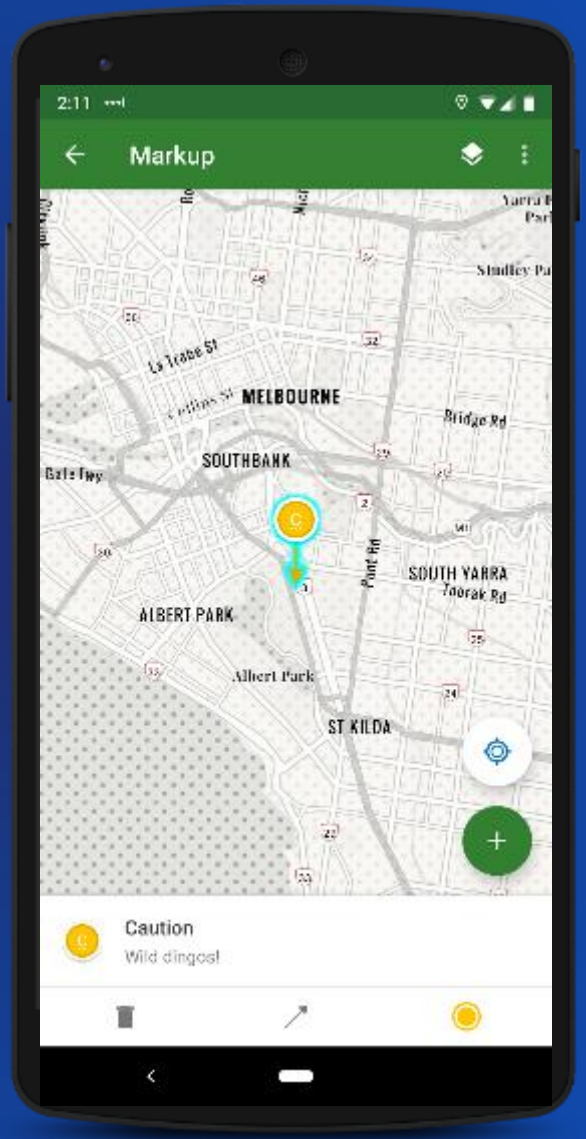
Explorer for ArcGIS

Feature overview

Explorer for ArcGIS

What can it do?

1. Create markup

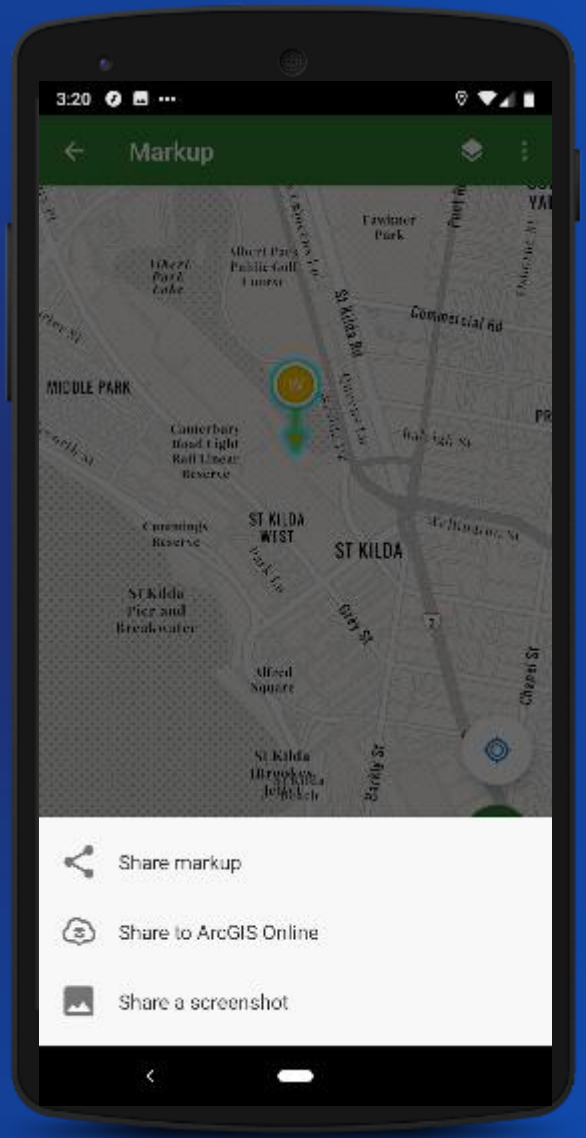


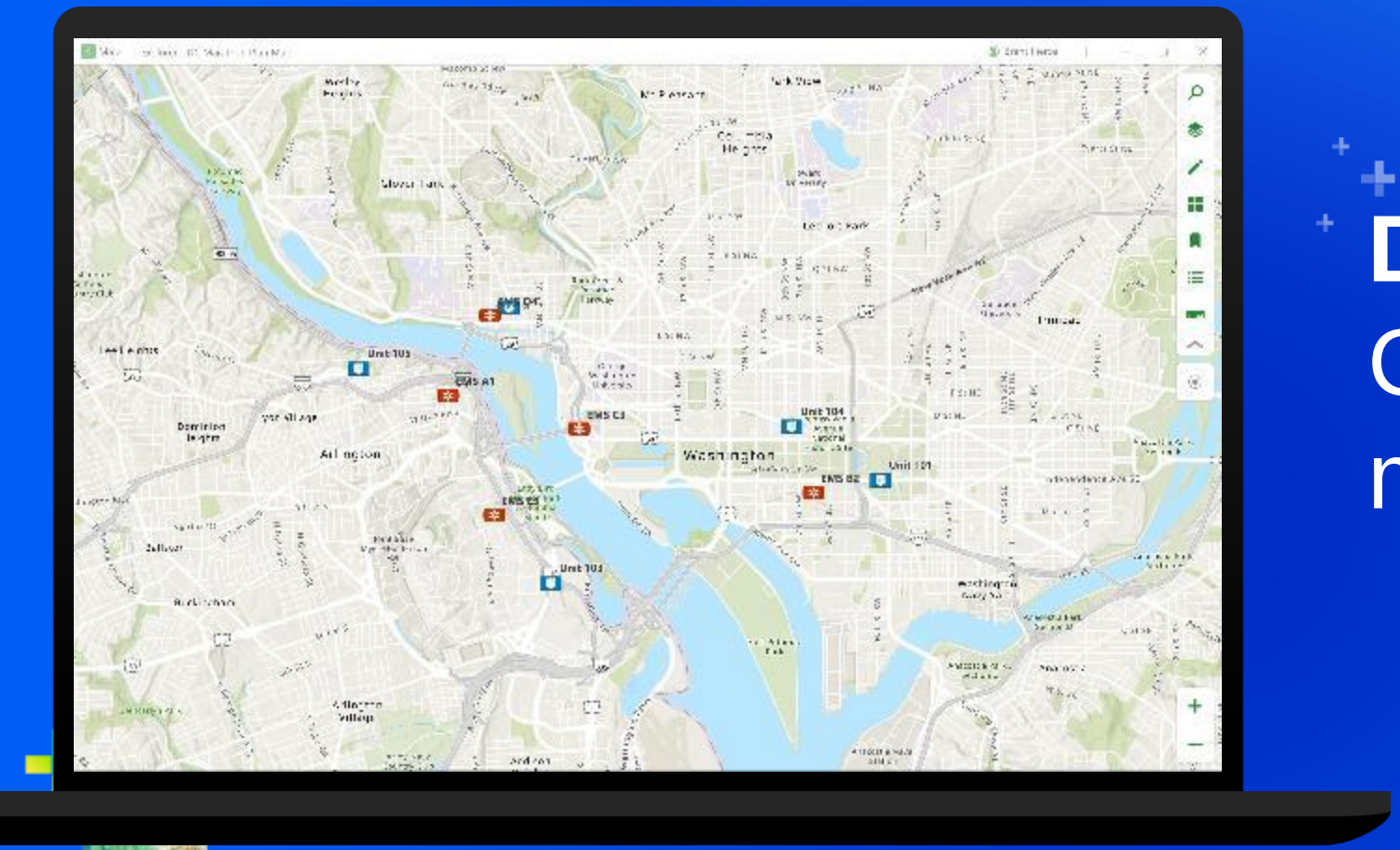
Feature overview

Explorer for ArcGIS

What can it do?

1. Create markup
2. Share markup





Demo

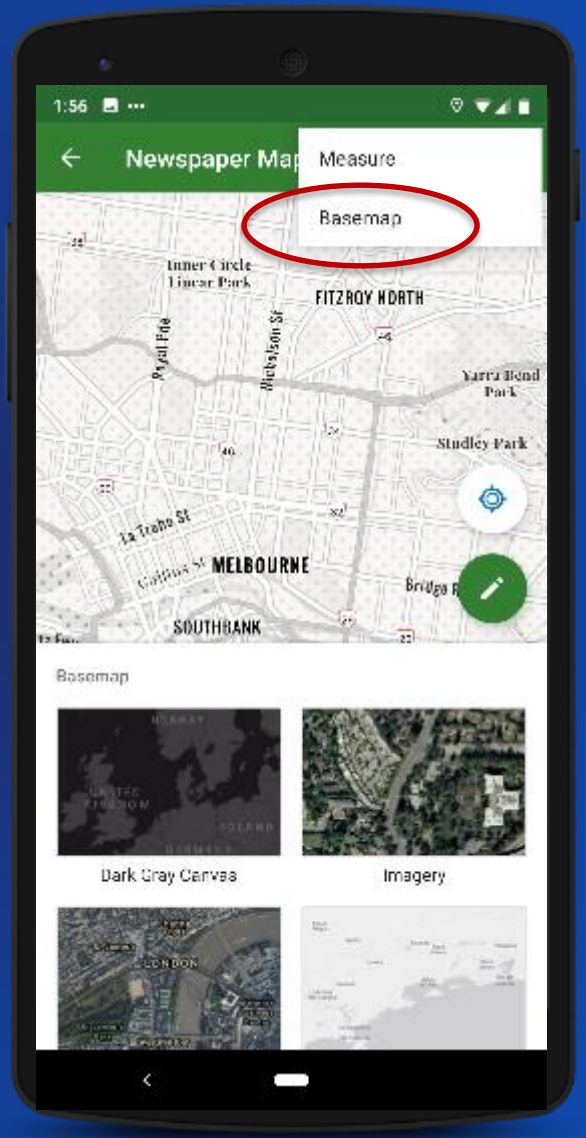
Creating and sharing markup

Feature overview

Explorer for ArcGIS

What else can it do?

1. Basemaps

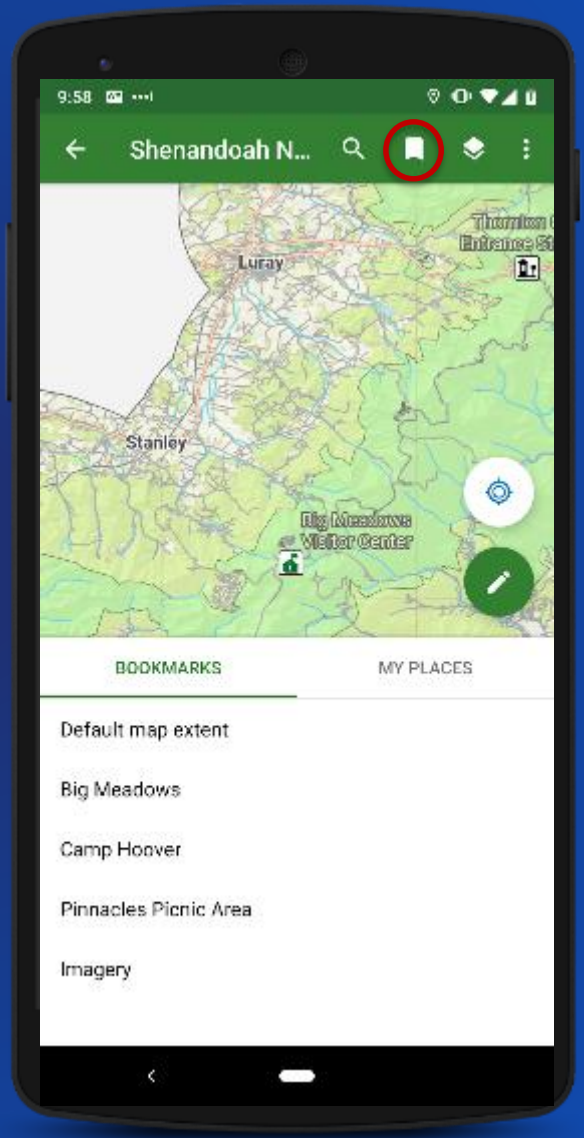


Feature overview

Explorer for ArcGIS

What else can it do?

1. Basemaps
2. Bookmarks

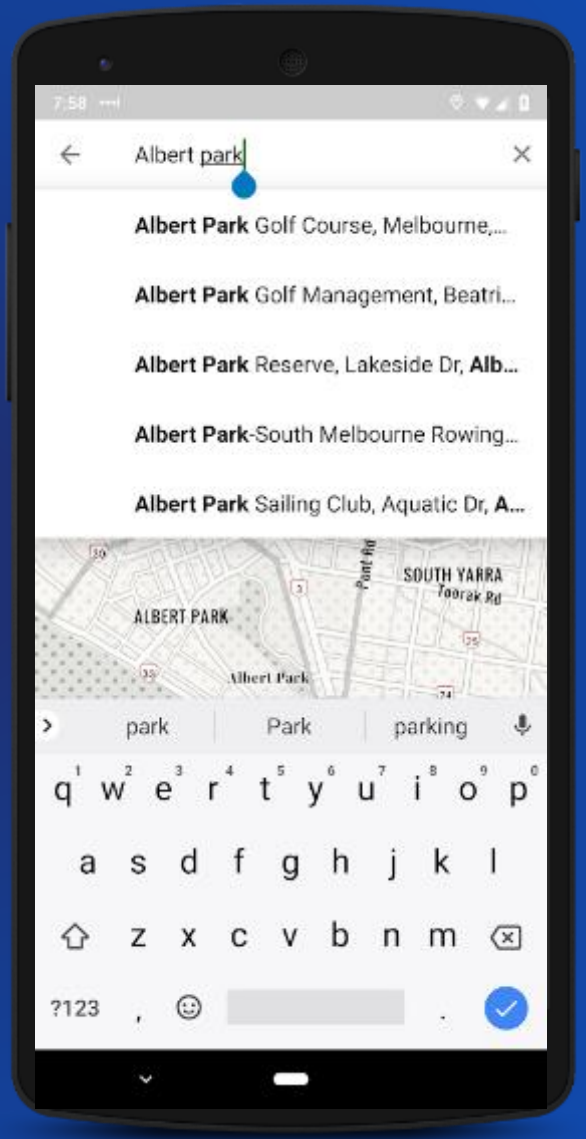


Feature overview

Explorer for ArcGIS

What else can it do?

1. Basemaps
2. Bookmarks
3. Search

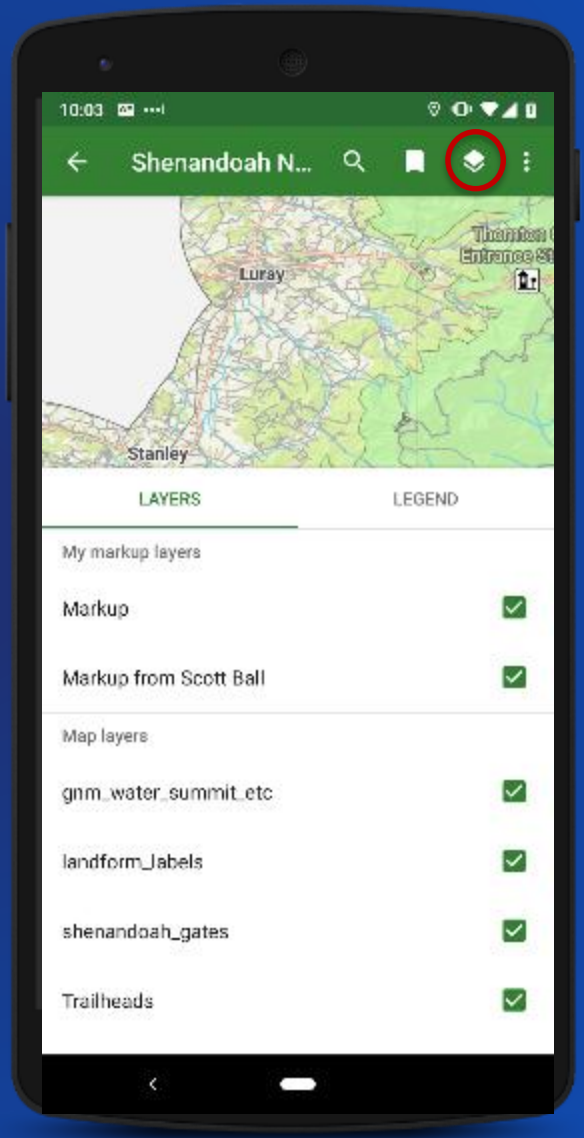


Feature overview

Explorer for ArcGIS

What else can it do?

1. Basemaps
2. Bookmarks
3. Search
4. Layers

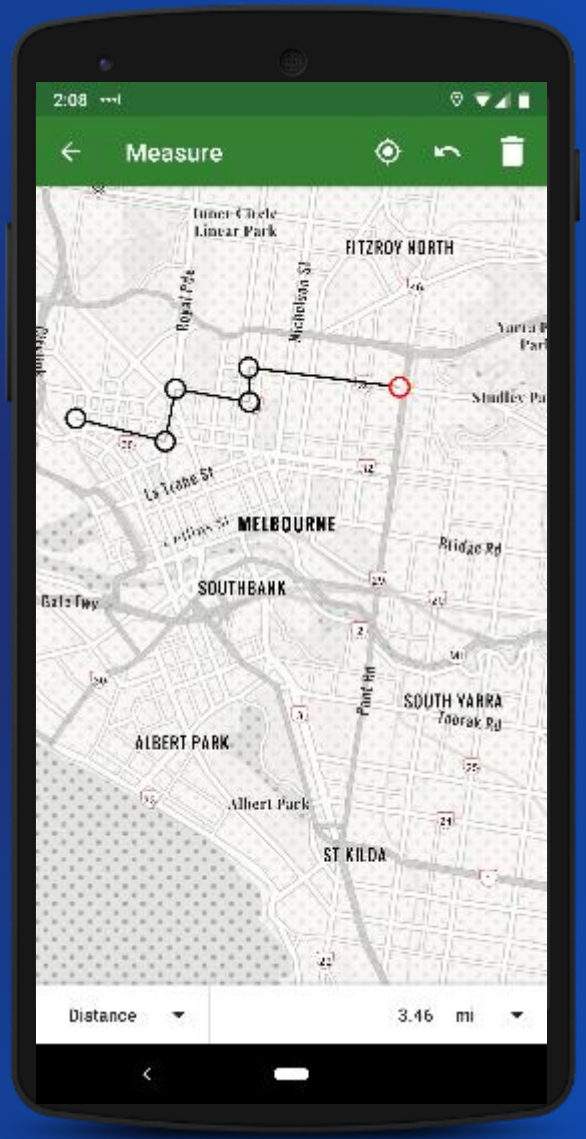


Feature overview

Explorer for ArcGIS

What else can it do?

1. Basemaps
2. Bookmarks
3. Search
4. Layers
5. Measure

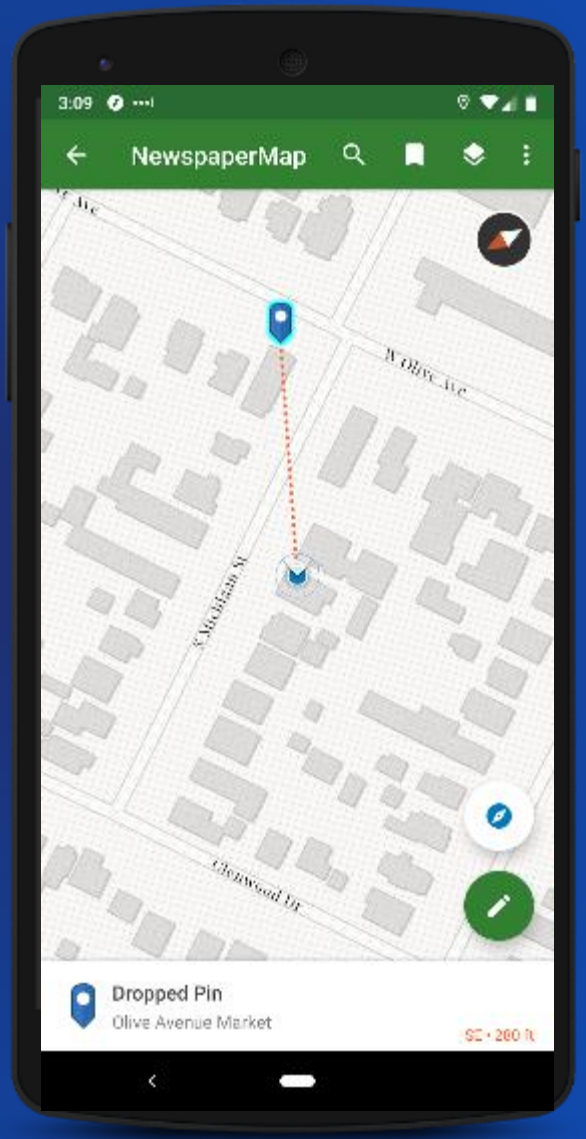


Feature overview

Explorer for ArcGIS

What else can it do?

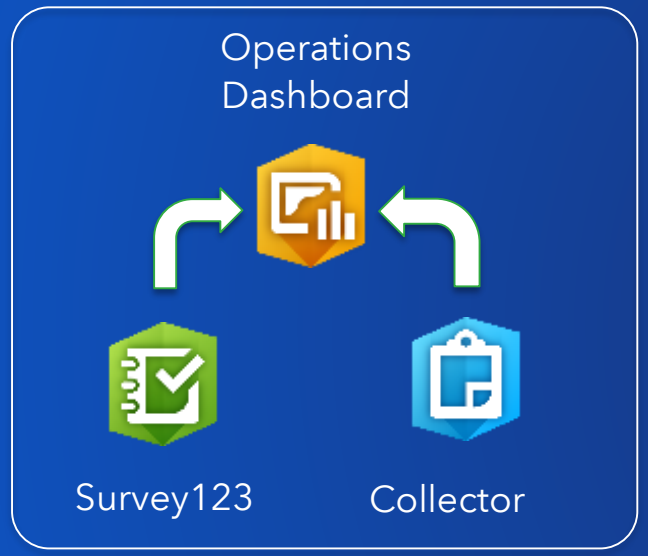
1. Basemaps
2. Bookmarks
3. Search
4. Layers
5. Measure
6. Compass mode



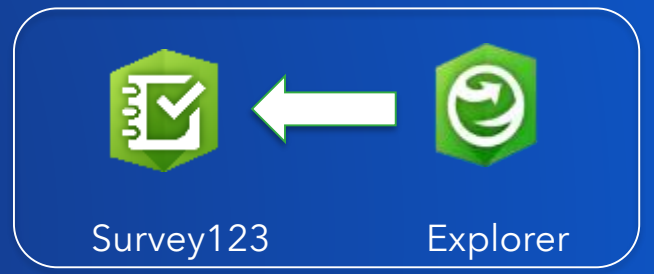
Enhance workflows by pairing apps

Maps + Forms

Collect and Monitor



Forms + Maps



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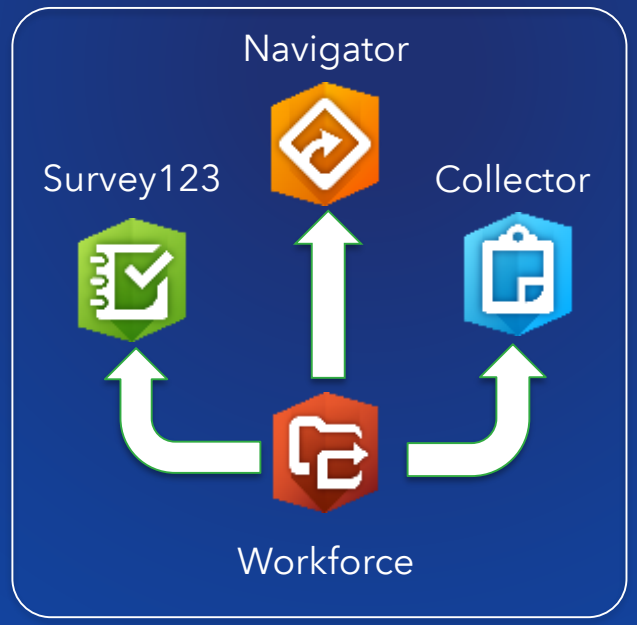


Prepare - Field

Third Party Integrations

Integrate with Explorer

Explorer for ArcGIS

App scheme: arcgis-explorer://

(new) Web scheme: https://explorer.arcgis.app

Third Party Integrations

- **itemID** – Web Map or MMPK to open/download on launch
- **center** – center point of map – Lat/Lon, Address, Feature
- **wkid** – provide wkid for Lat/Lon in non-WGS84 spatial reference
- **scale** – scale to display the map at on launch
- **rotation** – custom map rotation
- **markup** – enable markup tool on launch
- **bookmark** – center map on bookmark instead of using center param
- **search** – quickly execute search for feature in map

What’s New

Explorer for ArcGIS

Windows 10 support

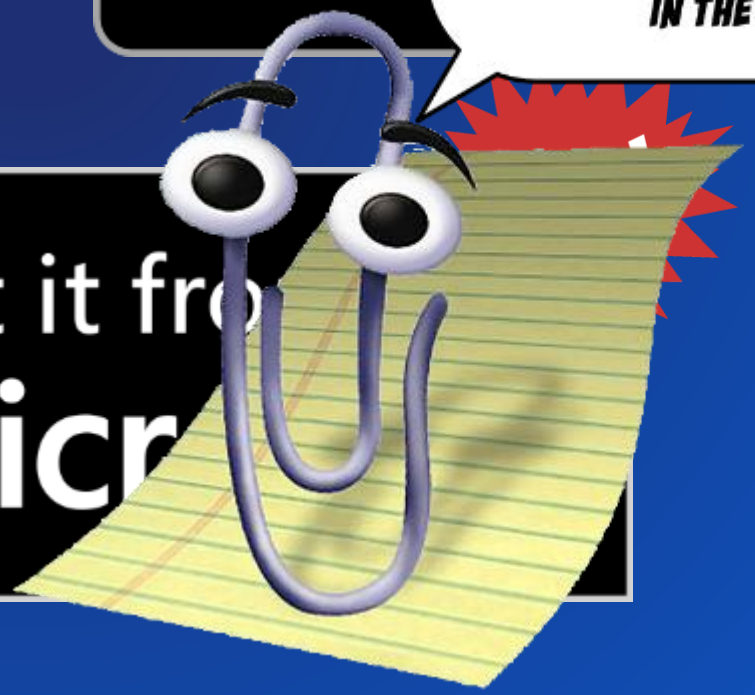
What's New in Explorer for ArcGIS

GET IT ON Google Play

Download on the

JUST SEARCH FOR "EXPLORER FOR ARCGIS" IN THE MICROSOFT STORE

Get it fr Micr



Try the beta now!

Layer refresh interval support

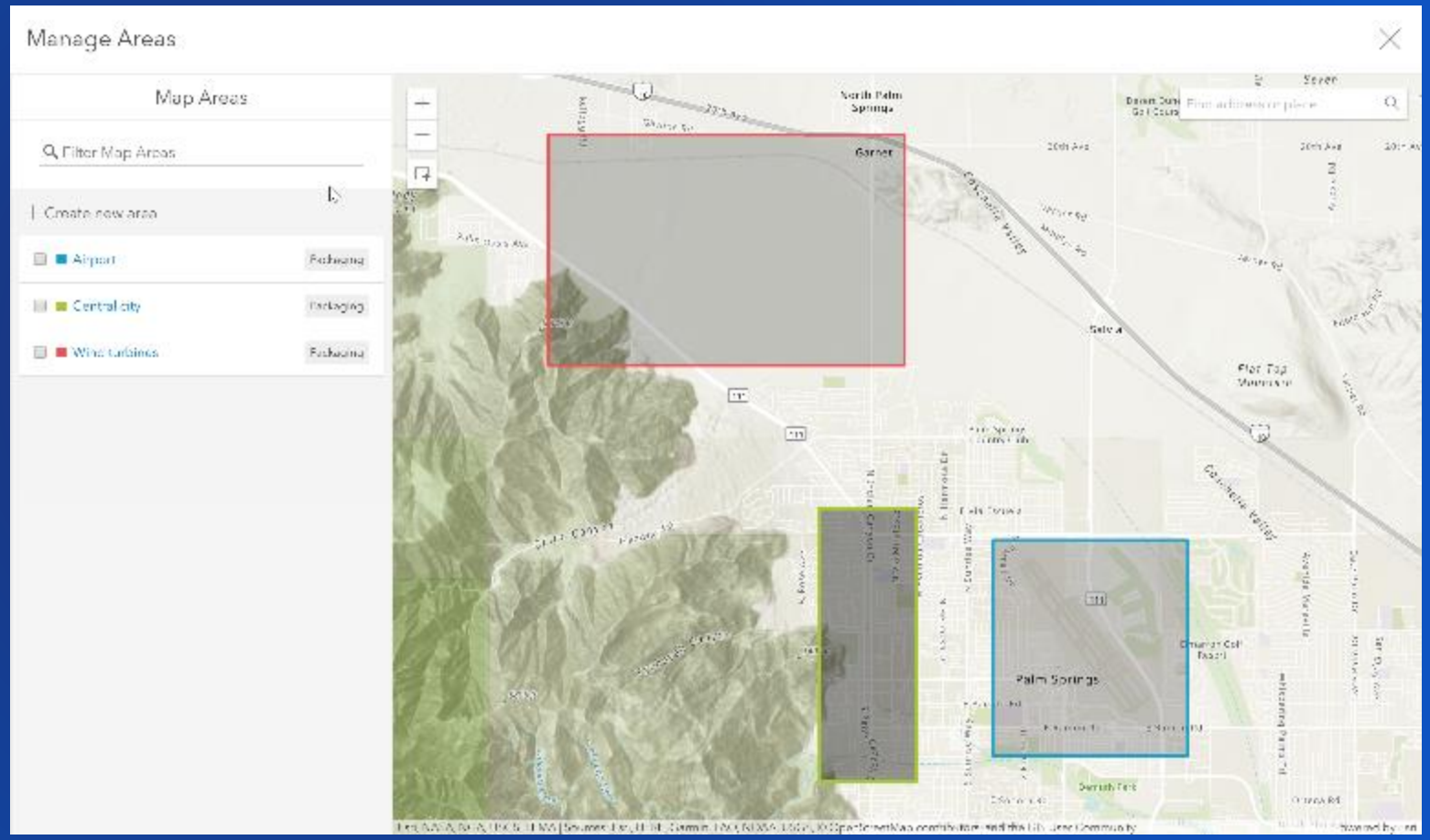
What's New in Explorer for ArcGIS

Offline improvements

What's New in Explorer for ArcGIS

Offline Areas

Areas are defined in the webmap by the author and loaded onto the device via Explorer



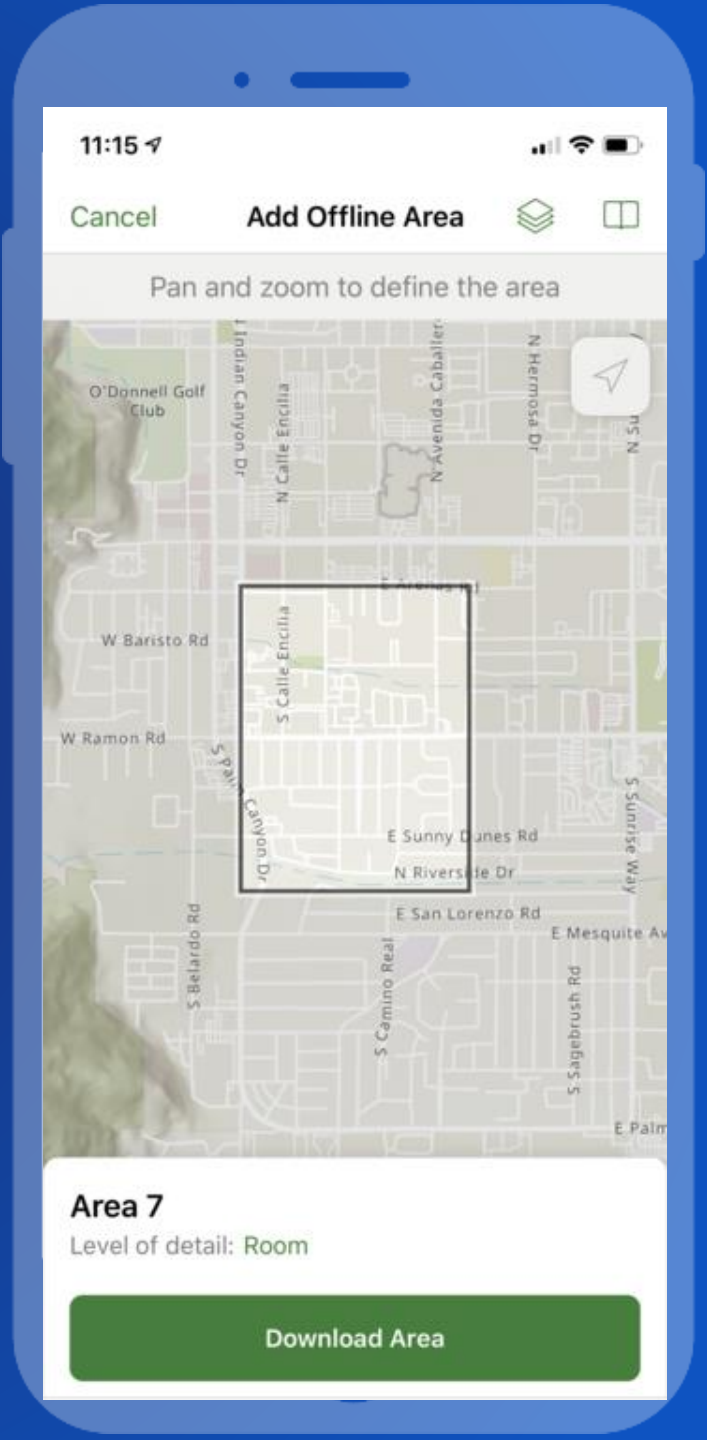
Offline improvements

What's New in Explorer for ArcGIS

Offline On-demand

The ability to take part of a webmap offline from within Explorer

Functionally equivalent to what is in Collector today



Support for all User Types

What's New in Explorer for ArcGIS

All user types can use Explorer with ArcGIS Online or ArcGIS Enterprise

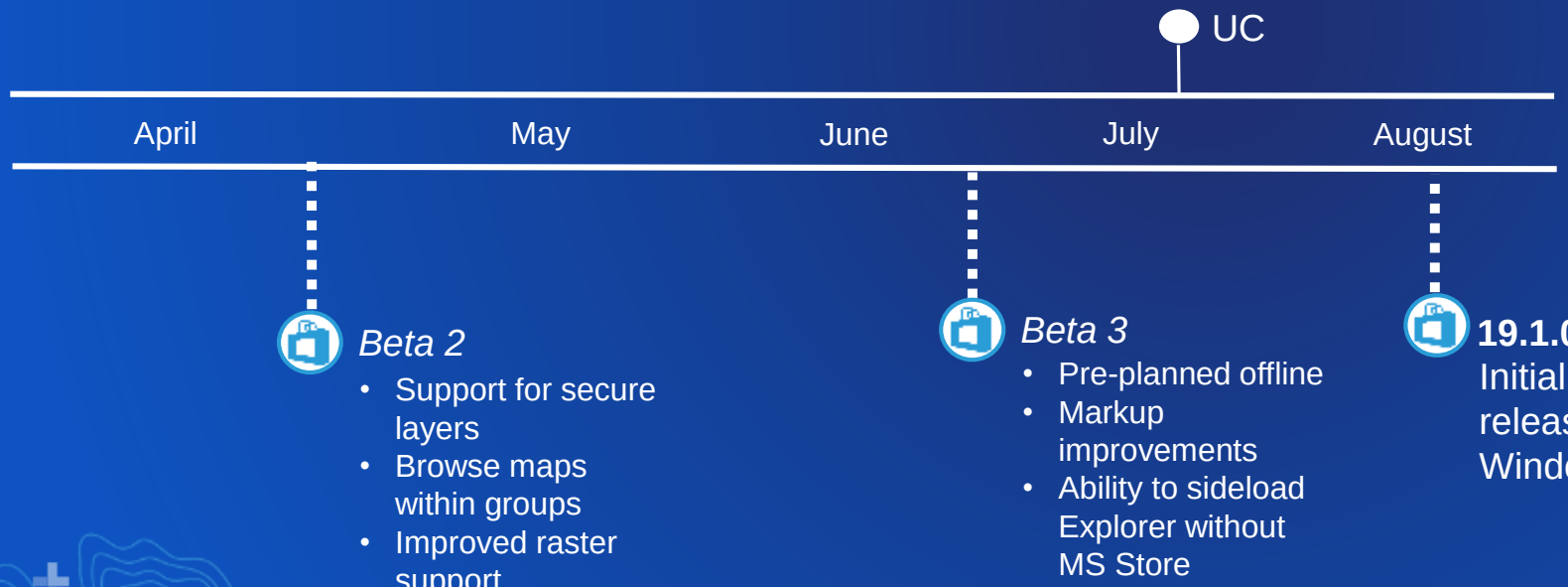
Viewer | Editor | Field Worker | Creator | GIS Professional

2019 Roadmap

Explorer for ArcGIS

Major Features of 19.1.0

- Windows 10 first release
- Pre-planned areas
- On-demand areas
- Layer refresh interval support



Beta 2

- Support for secure layers
- Browse maps within groups
- Improved raster support

Beta 3

- Pre-planned offline
- Markup improvements
- Ability to sideload Explorer without MS Store

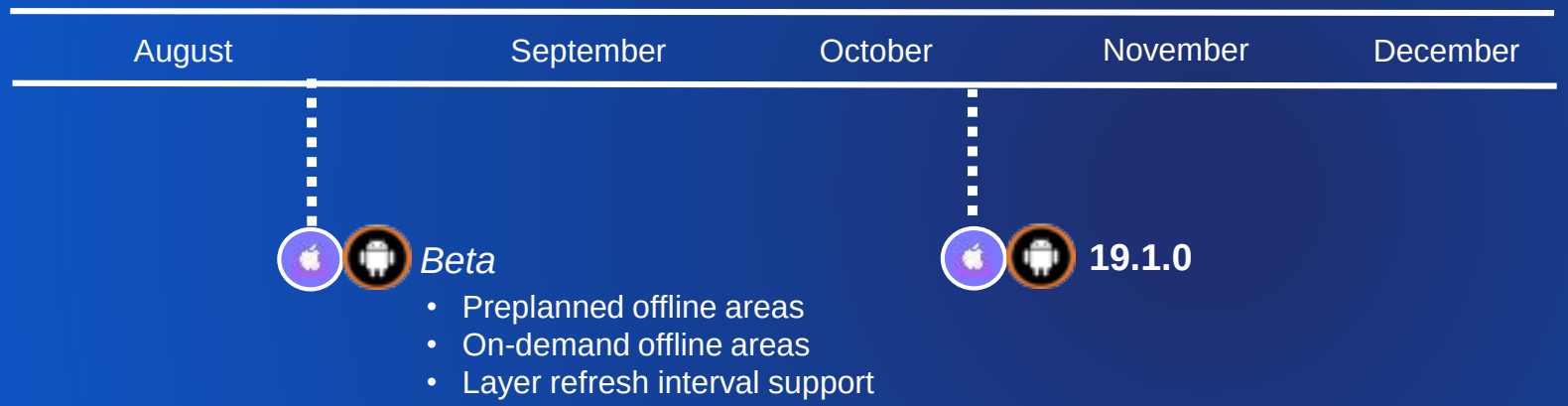
19.1.0
Initial Explorer release on Windows

Try the Windows beta now!

https://community.esri.com/groups/explorer-beta

Road ahead

Explorer for ArcGIS



What's next?

Keep improving offline workflows

- Map expiry
- Download optimizations

Tracker for ArcGIS integration

- View your location history on your map in Explorer

Field Operations suite improvements

Where can you learn more?

Explorer for ArcGIS

Documentation

https://doc.arcgis.com/en/explorer/

GeoNet Community

https://community.esri.com/groups/explorer-for-arcgis

Twitter

@ArcGISApps

Here at UC

Explorer for ArcGIS: Working with Offline Maps and Markup

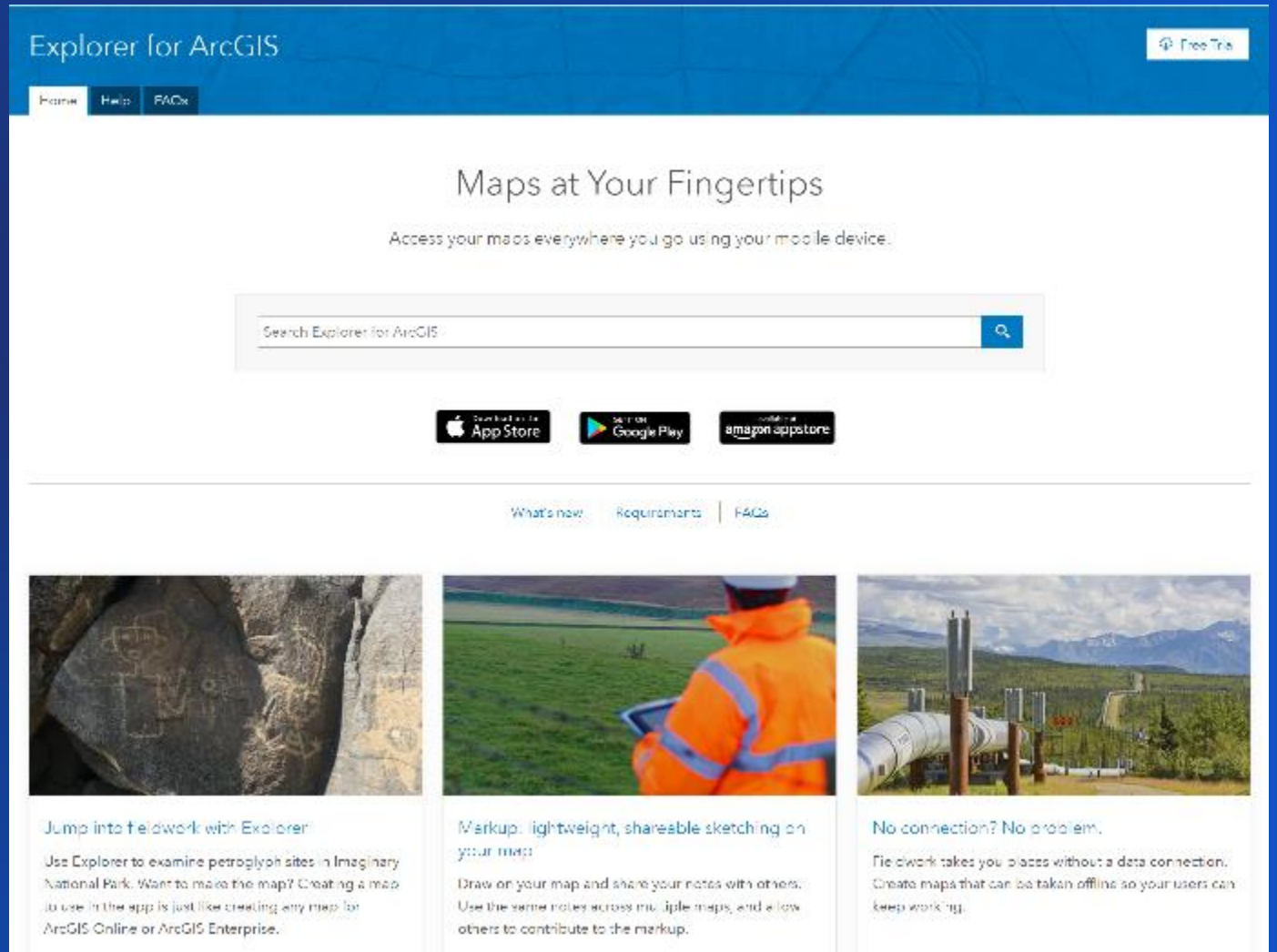
Wednesday, 10-10:45, Demo Theater 9

Field Operations SIG

Wednesday, 11:30-12:30

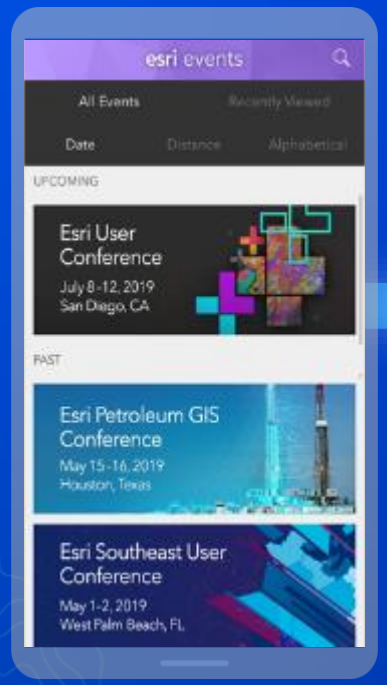
SDCC Room 29B

Come say hi at the Field Operations area in the Expo!

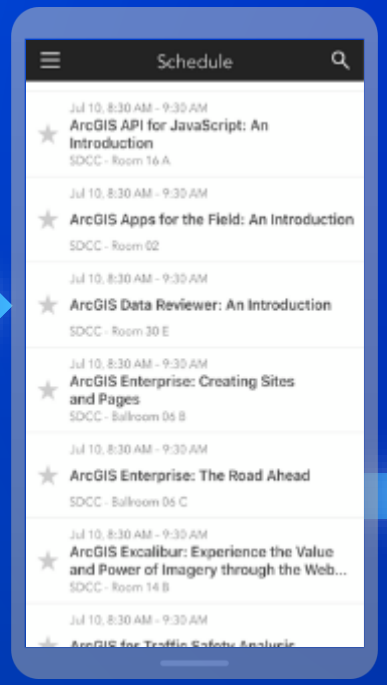


Please Share Your Feedback in the App

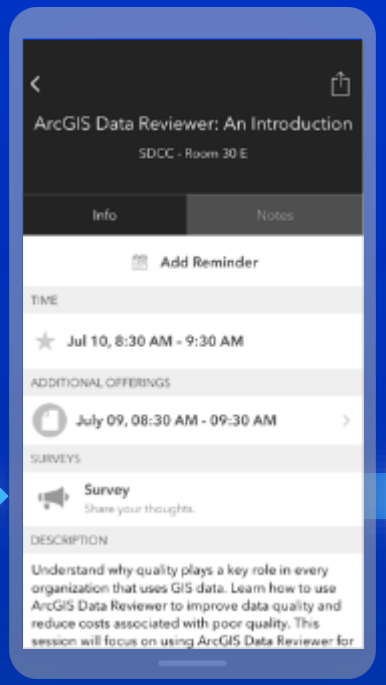
Download the Esri Events app and find your event



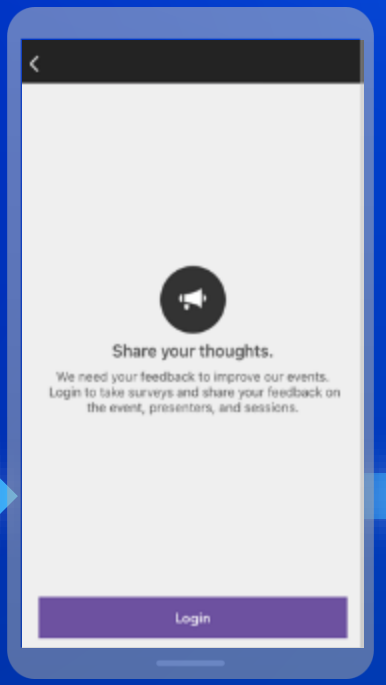
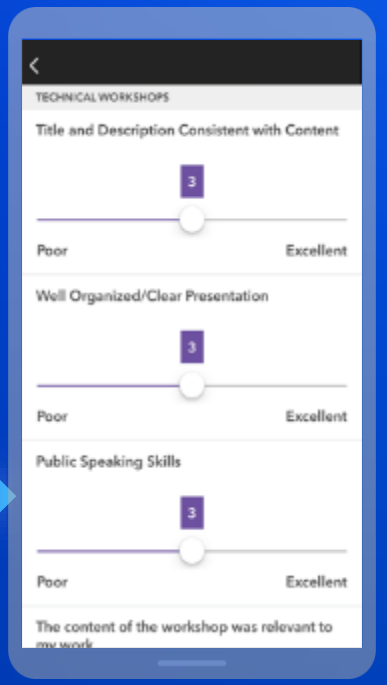
Select the session you attended



Scroll down to "Survey"



Log in to access the survey



Complete the survey and select "Submit"