

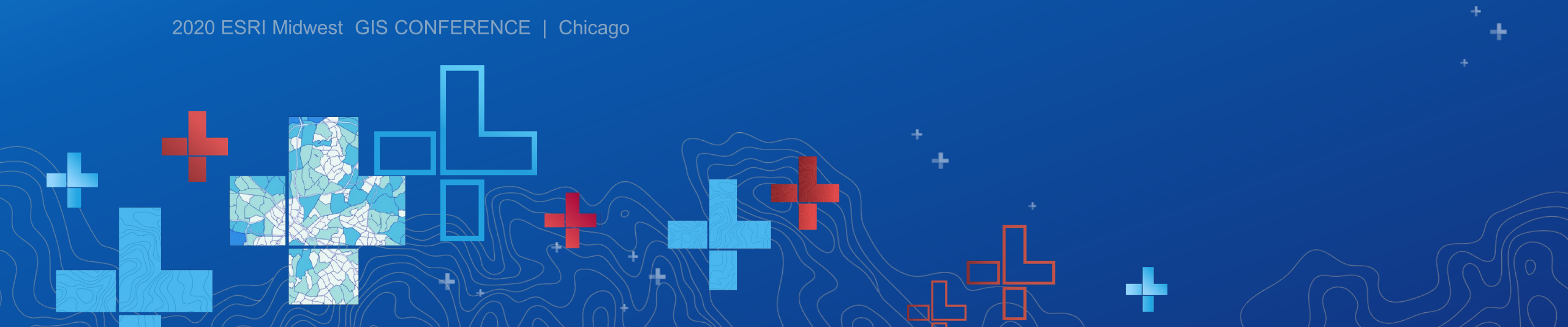


ArcGIS QuickCapture

February 26, 2020

Ismael Chivite (ichivite@esri.com)

2020 ESRI Midwest GIS CONFERENCE | Chicago



Before we start...

pretend you are volunteering for a shoreline cleanup

we will use QuickCapture to document cleaned up trash.

- 1) Download the ArcGIS QuickCapture app from the store
- 2) Scan the QR code on the side
- 3) Capture a few observations



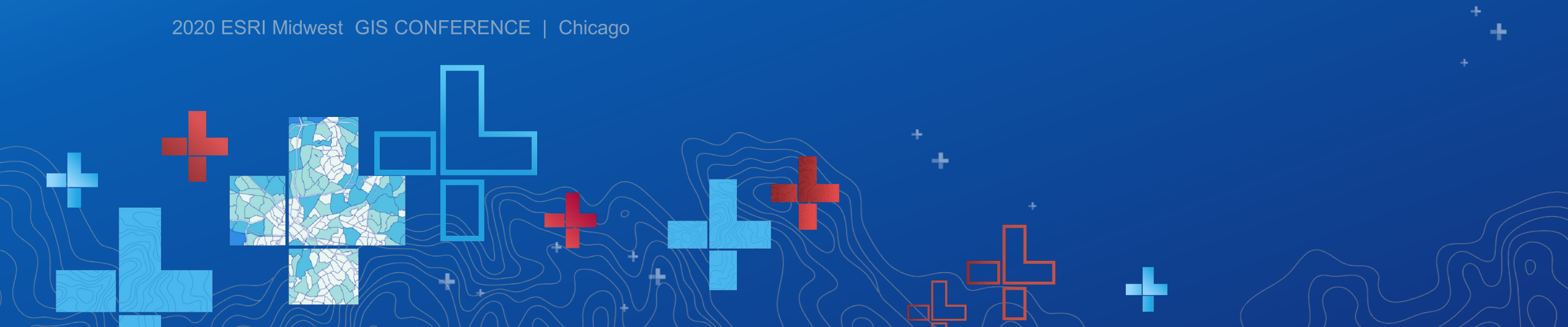


ArcGIS QuickCapture

February 26, 2020

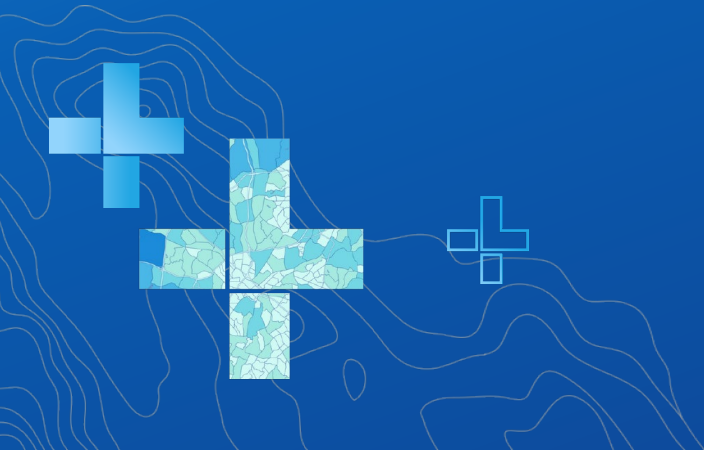
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Agenda

- Vision and use cases
- Components, how to and demos
- Road map



Field Operations in ArcGIS

Optimize field operations with the power of location



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

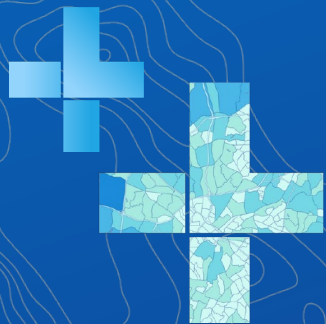


Monitor

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



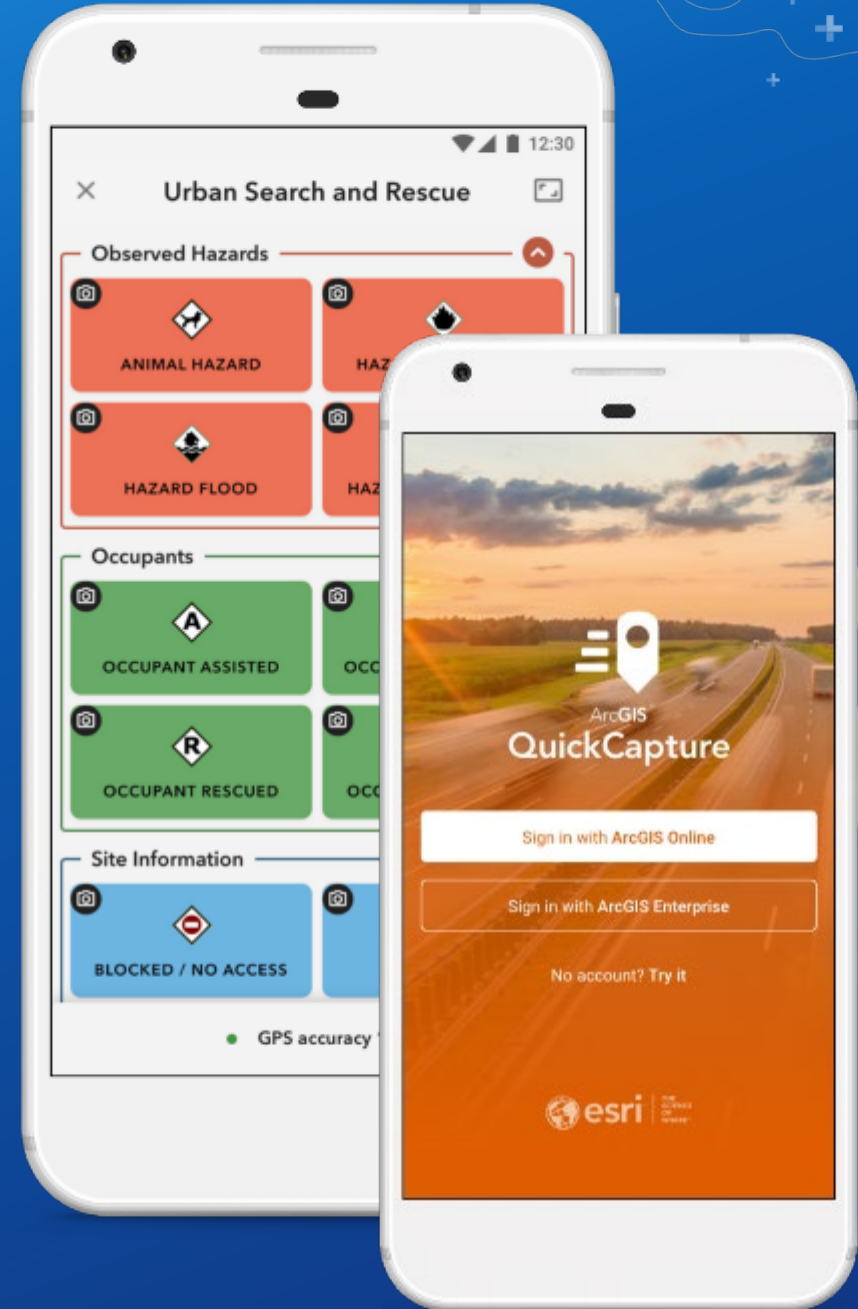
ArcGIS QuickCapture

The rapid data collection app

A “big button” mobile app

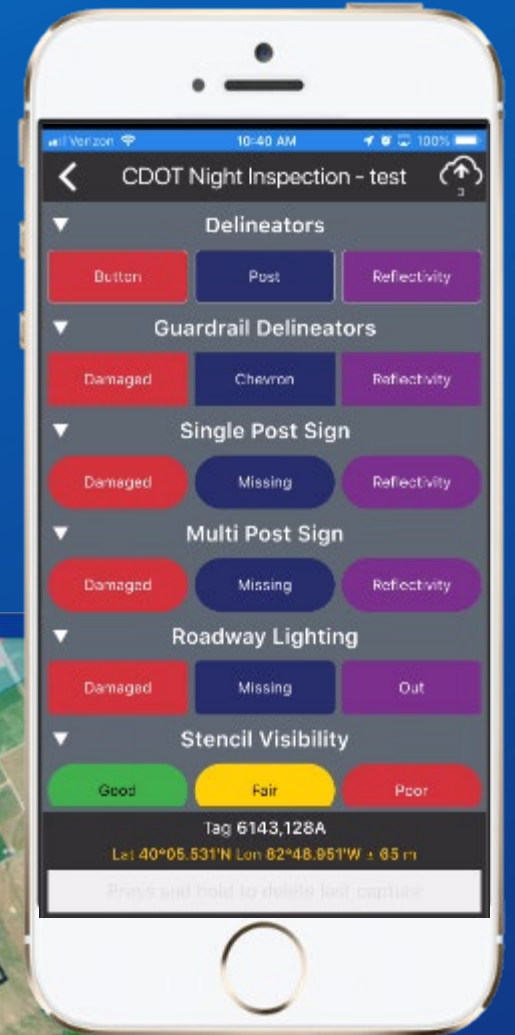
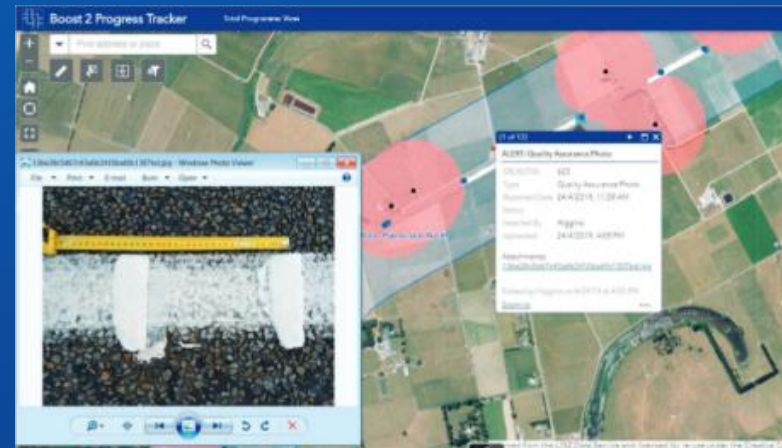
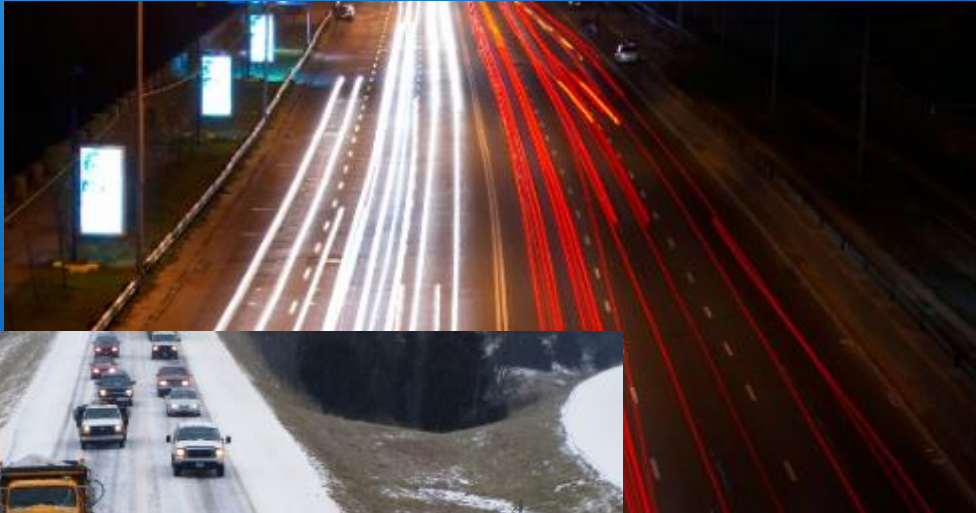
Simplest way to capture field observations

At-speed & rapid data collection workflows



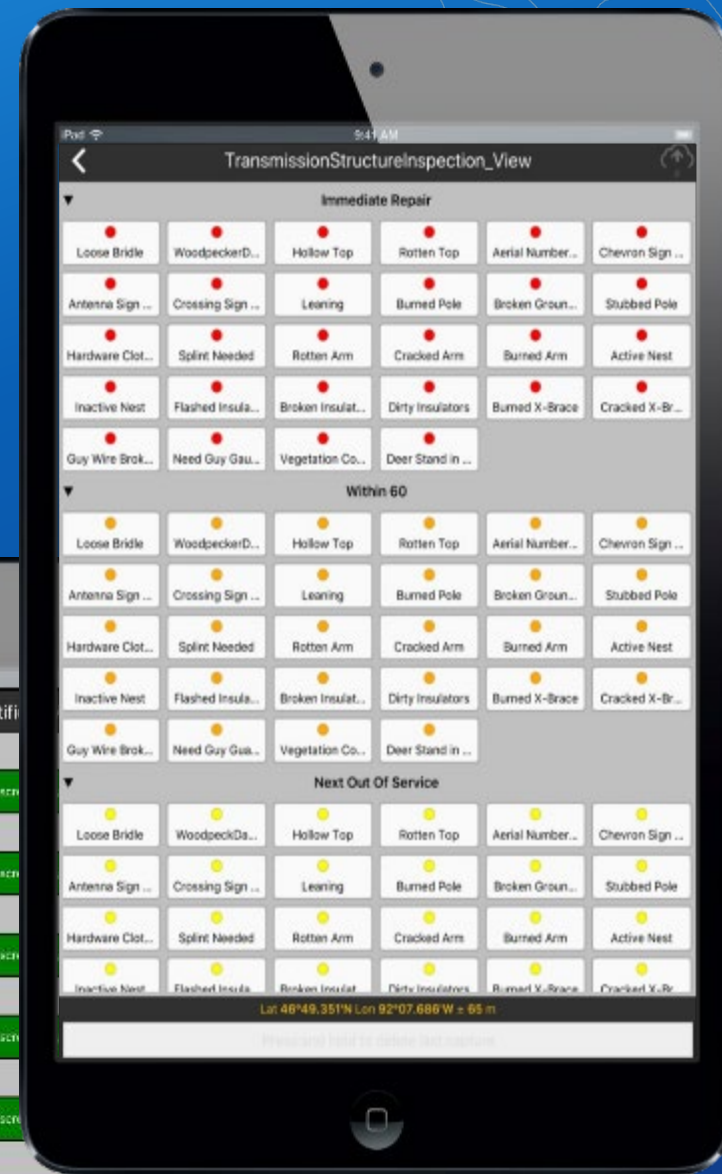
At-Speed Asset Inventories and Inspections

Colorado DOT, USA



Aerial Surveys and Inspections

Minnesota Power, USA



Emergency Response

Fire and Emergency, New Zealand



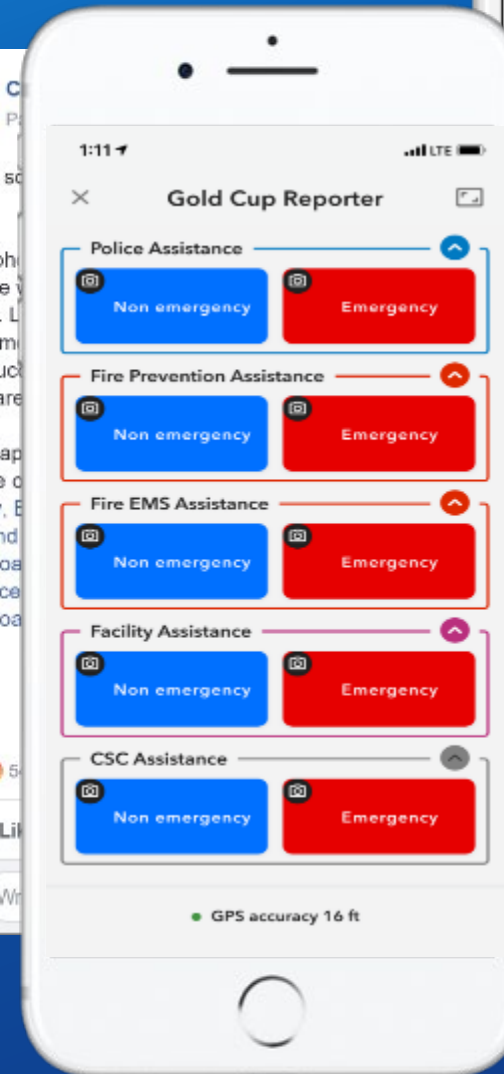
 We are so team!

In this ph software v system. L Assessm great suc teams are

QuickCap + image o Andrew, B Westland West Coa Taskforce West Coa

Like

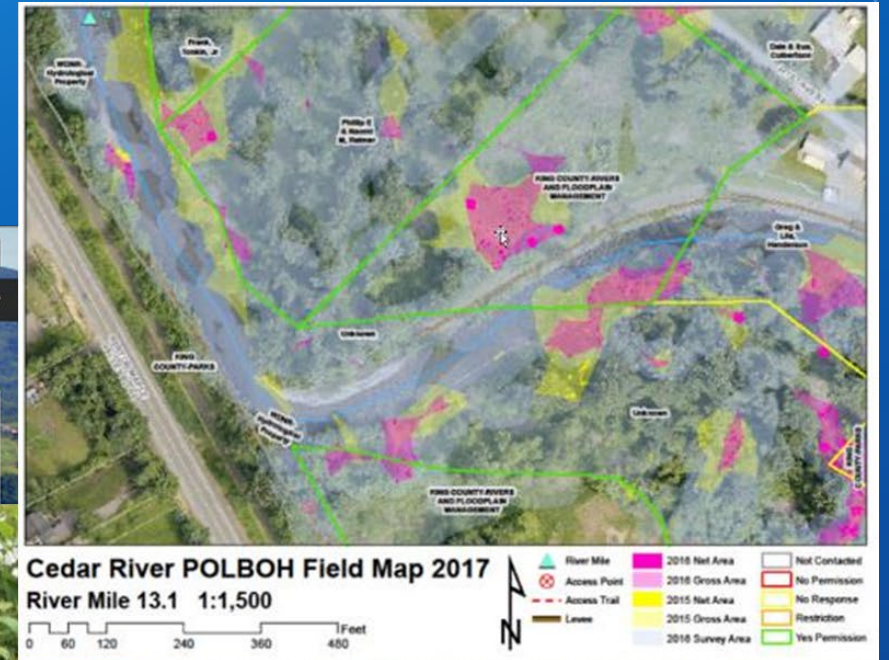
WhatsApp



Noxious Weed Abatement

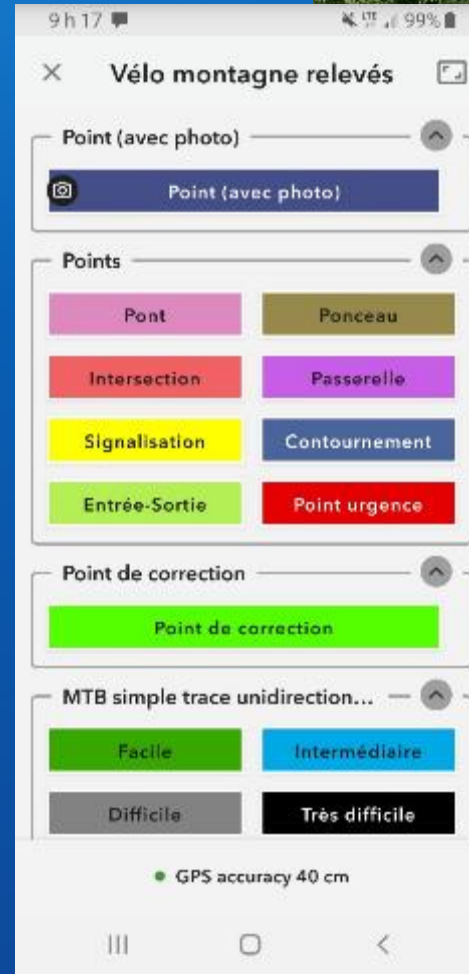
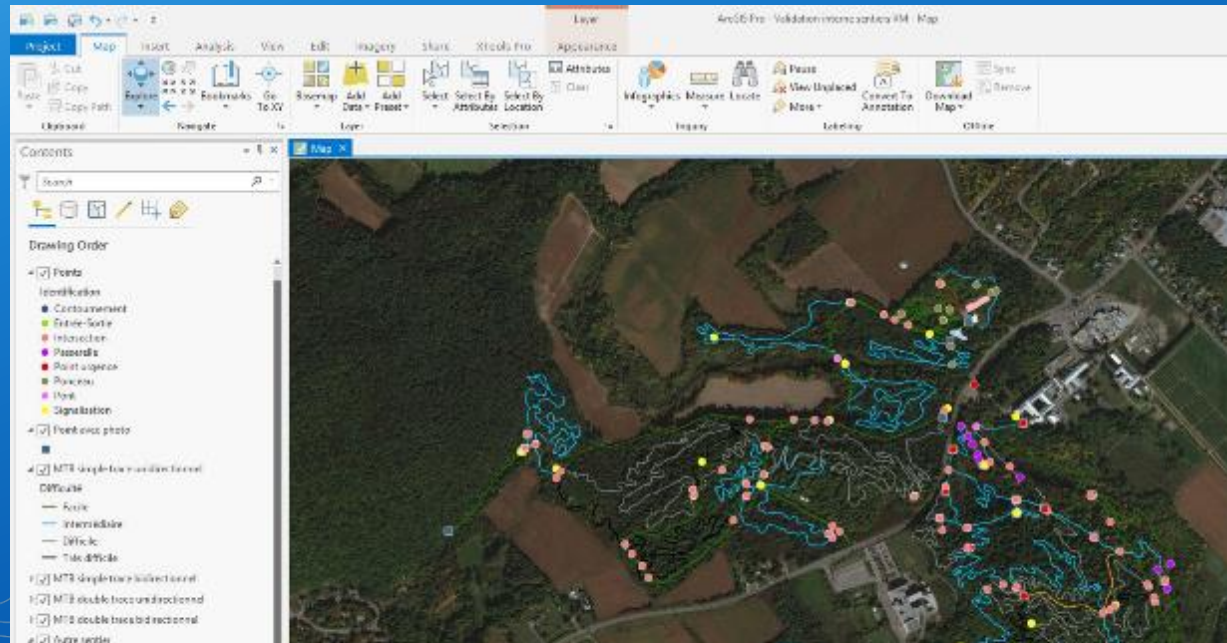
King County, USA

The screenshot shows the King County website's 'Noxious weeds' page. The header includes the King County logo and navigation links: Home, How do I..., Services, About King County, and Departments. A search bar is located in the top right. The main content area features a breadcrumb trail: Home > Services > Environment > Animals, plants and habitat > Noxious weeds. The page title is 'Noxious weeds in King County, Washington'. Below the title, there is a paragraph explaining that noxious weeds are a danger to the environment and economy, with introduced species costing millions in lost agricultural production, environmental degradation, and maintenance costs. A 'Search for other weeds' section lists Poison-hemlock, Tansy Rogwort, Giant Hogweed, and Blackberry. A 'Identify and learn about weeds and invasive plants' section provides links to a photo guide and weed lists. The footer contains three buttons: 'Information for...', 'Do more online', and 'Get help'.



Trail Maintenance and Mapping

Velo Quebec, Canada



ArcGIS Solutions

Protected Area Management



The Wildlife Observation Dashboard can be used by protected area staff to monitor wildlife observations within and around the protected area.

Adjust the filters or current map extent to refine the results.

Animal

Cheetah
Total Animals: 3

Date: 1/22/2020, 12:00 PM
Type: Visual

photo-1-91179c6344e4c4039d60fa6d8cb96a0.jpg

Number of Animal Observations: 64

Animal Observations

Animal	Count
Antelope	2
Baboon	2
Buffalo	1
Cheetah	1
Elephant	3
Giraffe	2
Hippopotamus	2
Leopard	1
Lion	1
Warthog	1
Wild Dog	1
Wildbeast	1
Zebra	2

Rapid Wildlife Reporter

Animal: Buffalo, Elephant, Leopard, Lion, Rhinoceros

GPS accuracy 9 ft

Wildlife Observation Reporter

Observation Information

Animal *

Observation Type *

Date: Tuesday, January 21, 2020

Location: 34°3'N 117°12'W ± 2.3 m

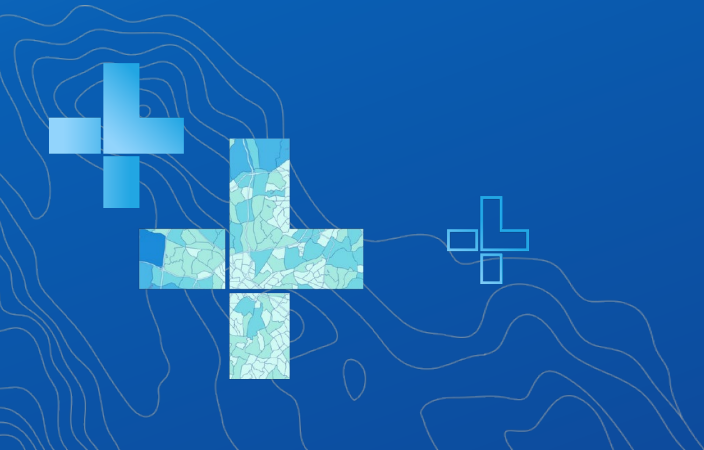
Notes

1 of 4



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- Components, how to and demos
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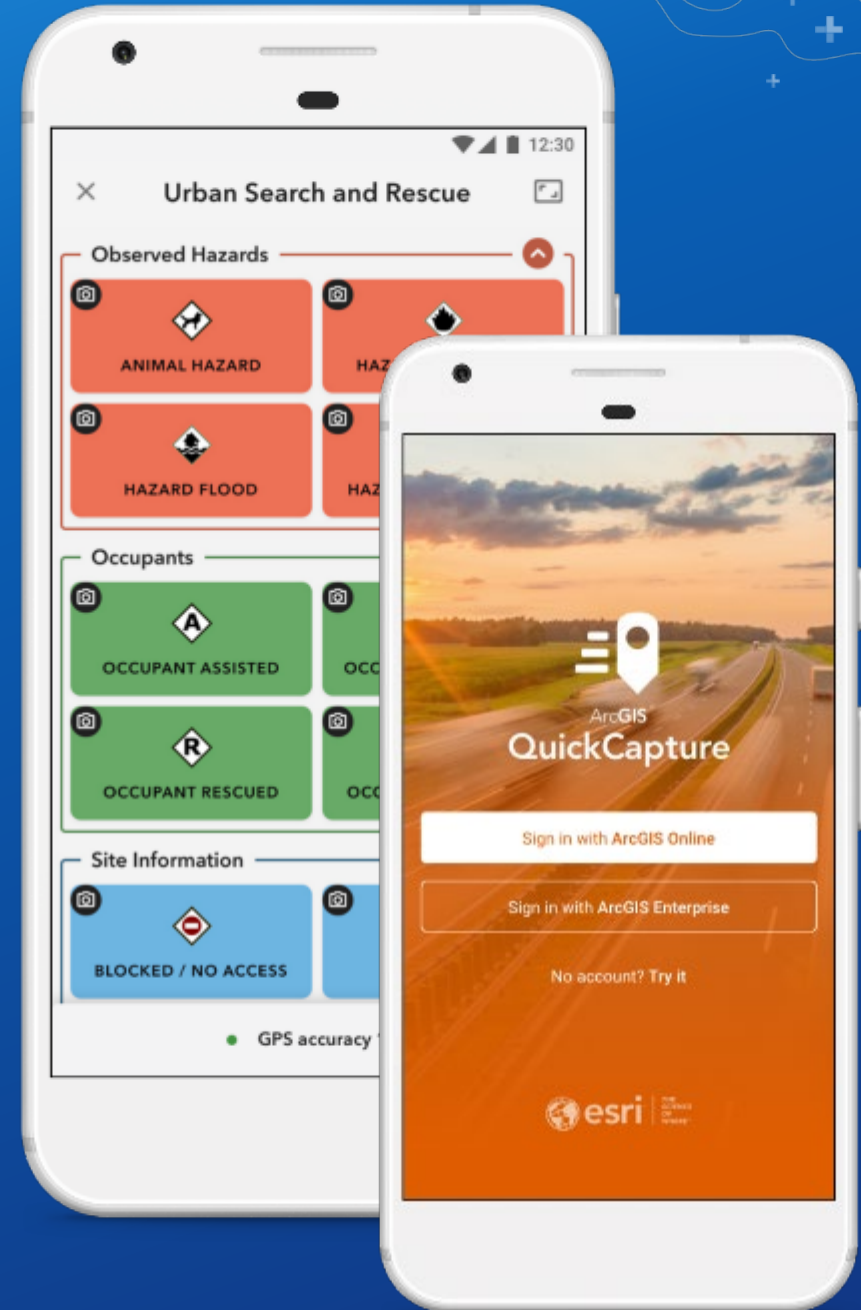
The mobile app

A big button mobile app built for mobile devices

iOS, Android, Windows

ArcGIS Online and Enterprise

Offline and Online



ArcGIS QuickCapture mobile app licensing

Included with Field Workers, Creators and GIS Professionals at no additional cost
Optional add-on for Editor user types



Viewer
(not applicable)



Editor
(add-on)



Field Worker
(included)



Creator
(included)

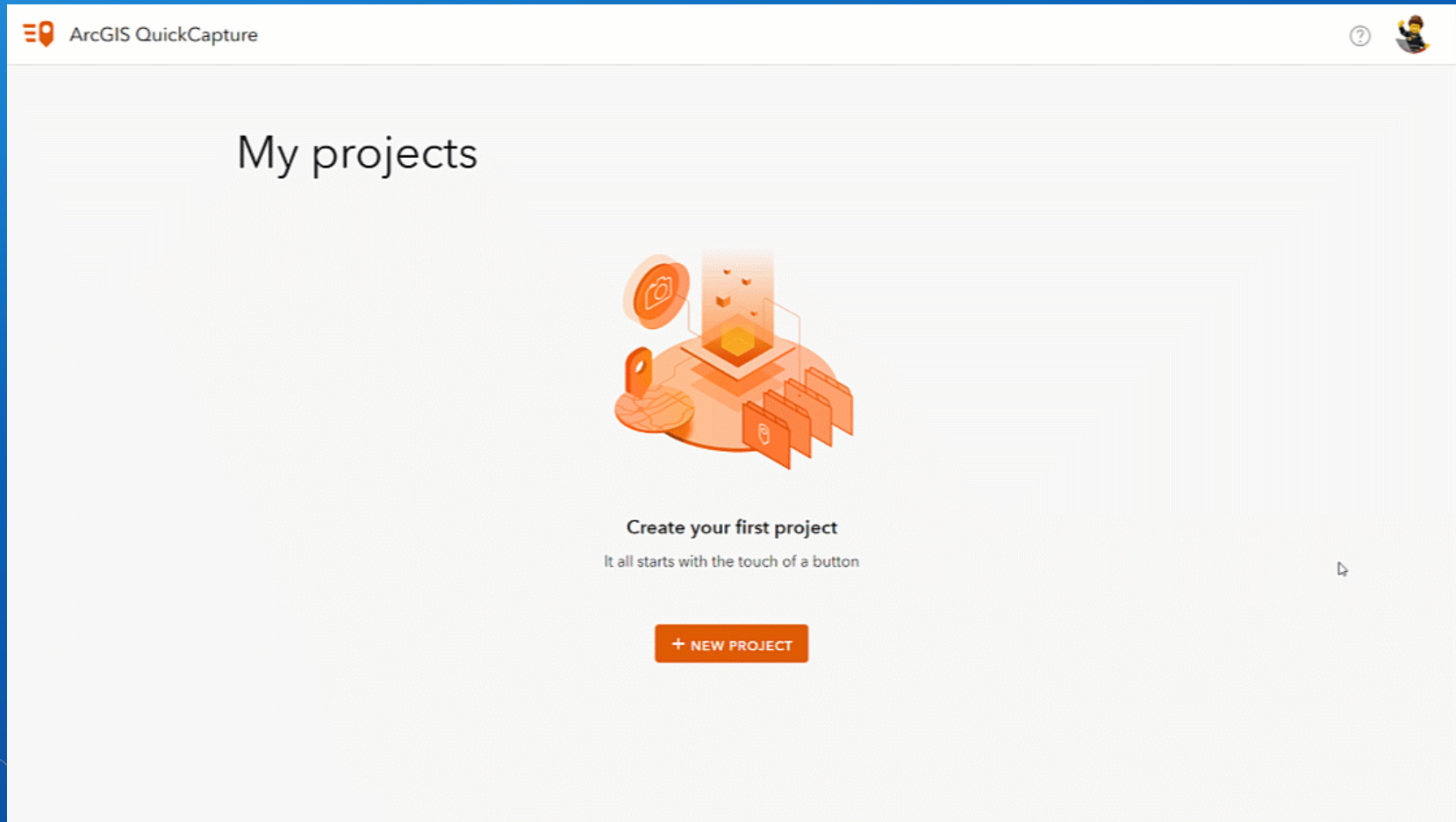


GIS Professional
(included)

The mobile app can also be used without an ArcGIS account, if a QuickCapture project is shared publicly to an ArcGIS Hub Premium organization.

QuickCapture designer

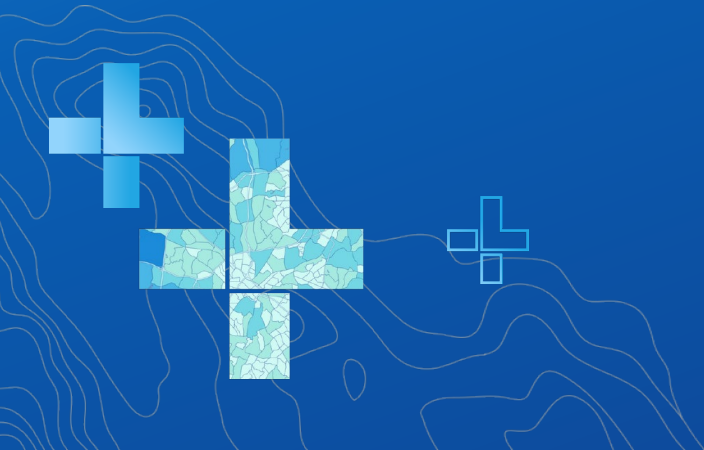
A web tool to create your own QuickCapture projects



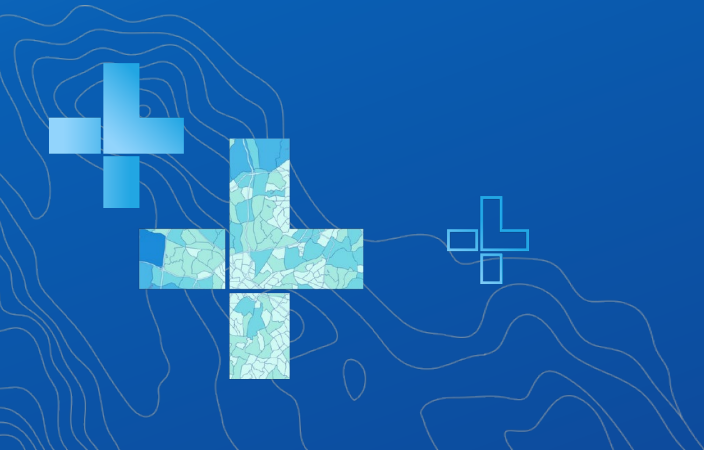
Available at quickcapture.arcgis.com and through the app launcher in ArcGIS Online and ArcGIS Enterprise 10.8

QuickCapture Tour

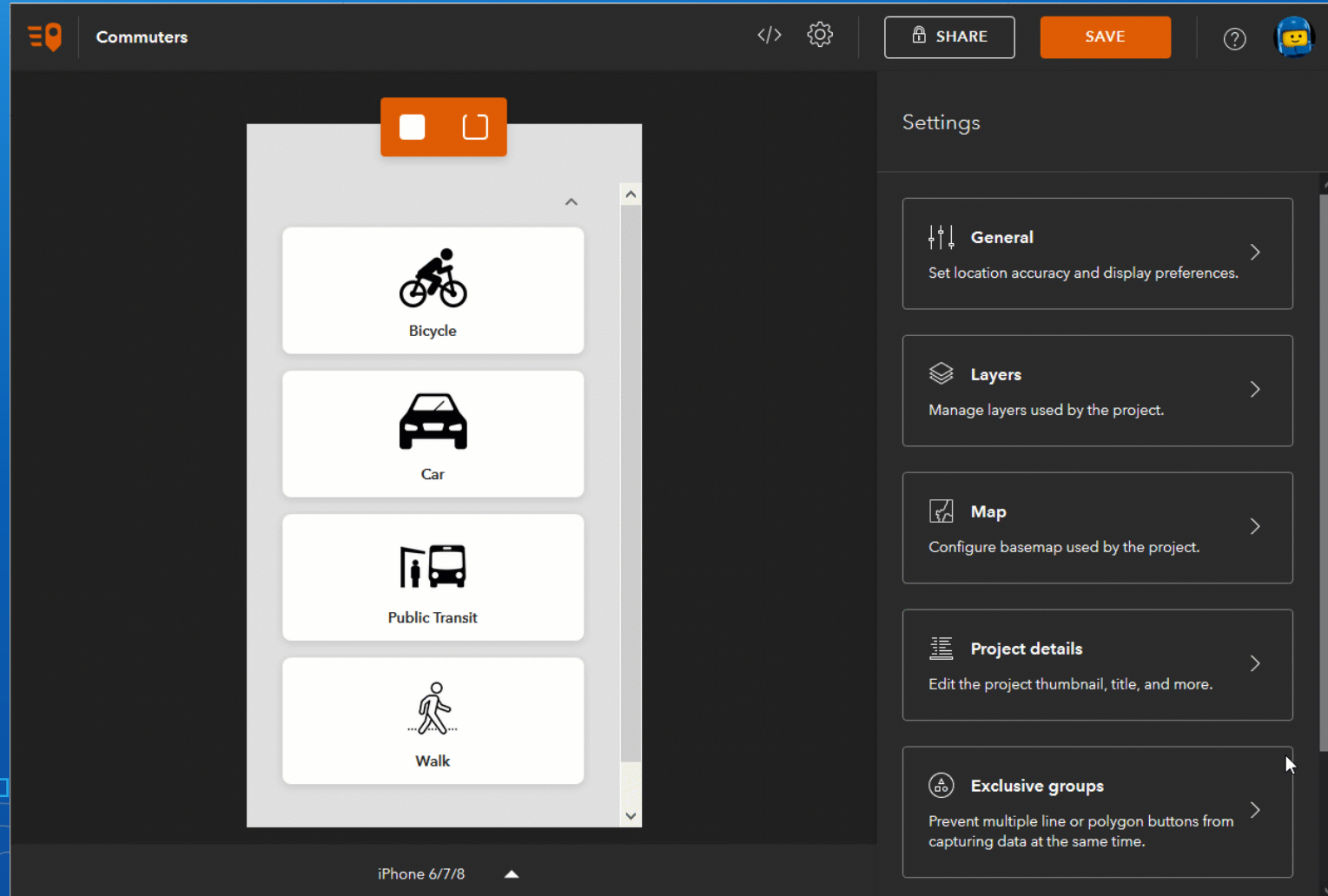
Live Demo



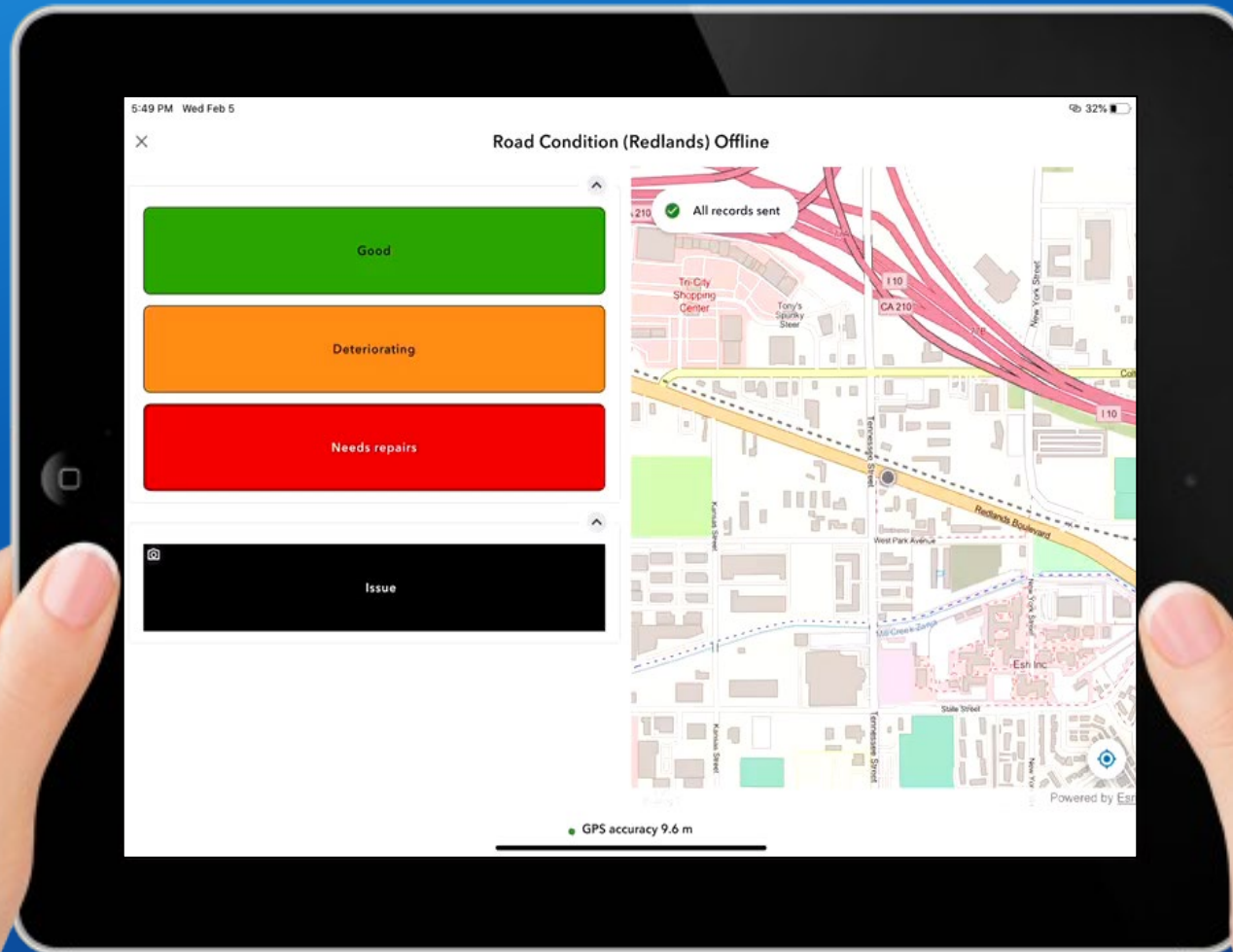
**A few more things
you should know...**



Configure online and offline maps



Buttons & Map side by side view for tablets



External GNSS receiver support:

- **Use for:**

- Increased accuracy
- Access to GNSS metadata (through variables)
- Higher frequency data collection

- **Add receiver by:**

- Bluetooth
- USB (Windows Only)
- Network (Windows Only)

- **Supported receivers:**

Bad Elf – EOS – Leica - Trimble (R1, R2)* - Garmin GLO - Geode



QuickCapture Public Projects


- For ArcGIS Hub Premium customers ONLY.
- Share your QuickCapture projects publicly from designer
- End users can download and use with or without signing in
- Use cases:
 - Crowd-sourcing
 - Citizen-science
 - Community engagement
 - Emergency response





Santa sighting season has begun!

If you have spotted Santa around your neighbourhood, record it using ArcGIS QuickCapture!

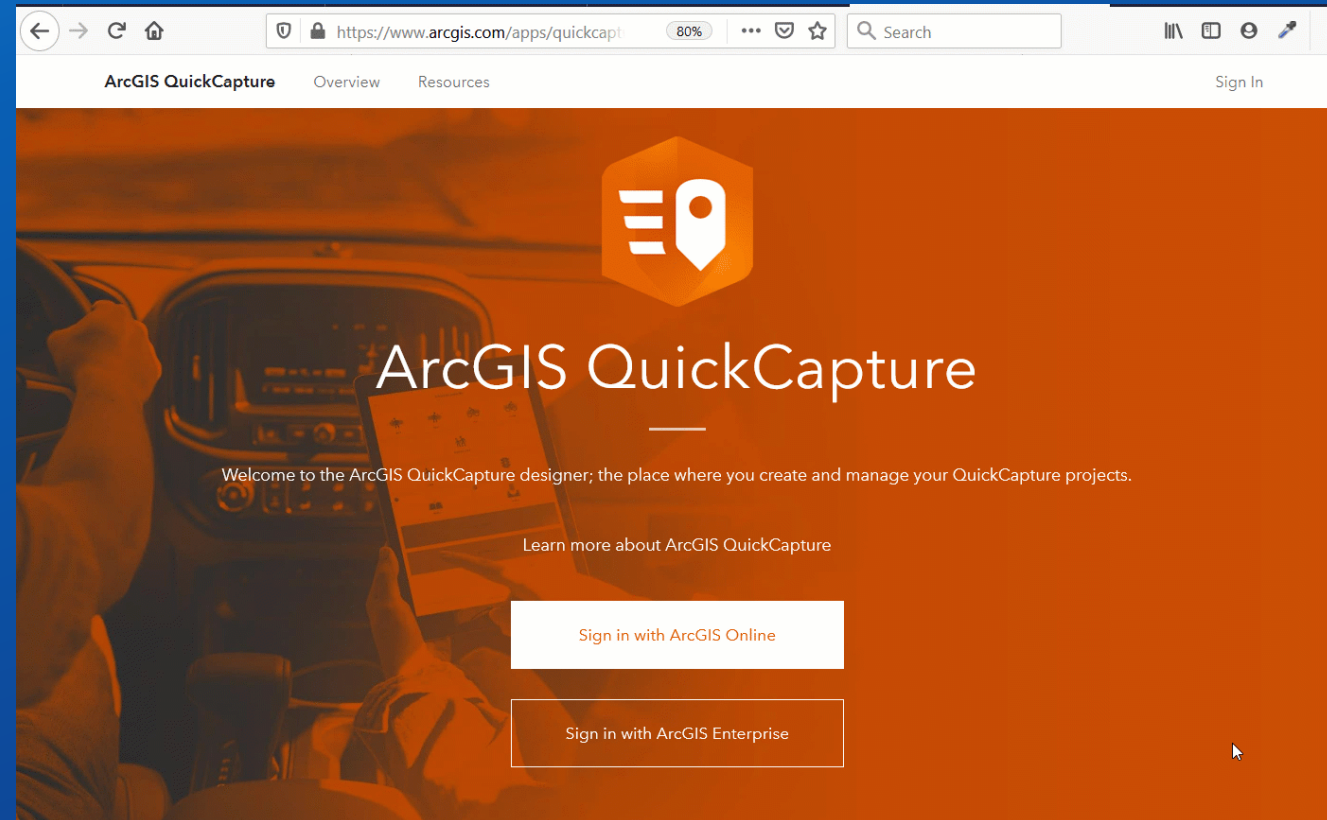
QuickCapture Trial | December 10, 2019 

ArcGIS QuickCapture and Enterprise

- Officially supported with ArcGIS Enterprise 10.7.1 and above
 - It actually works well with previous versions after registering the mobile app and designer

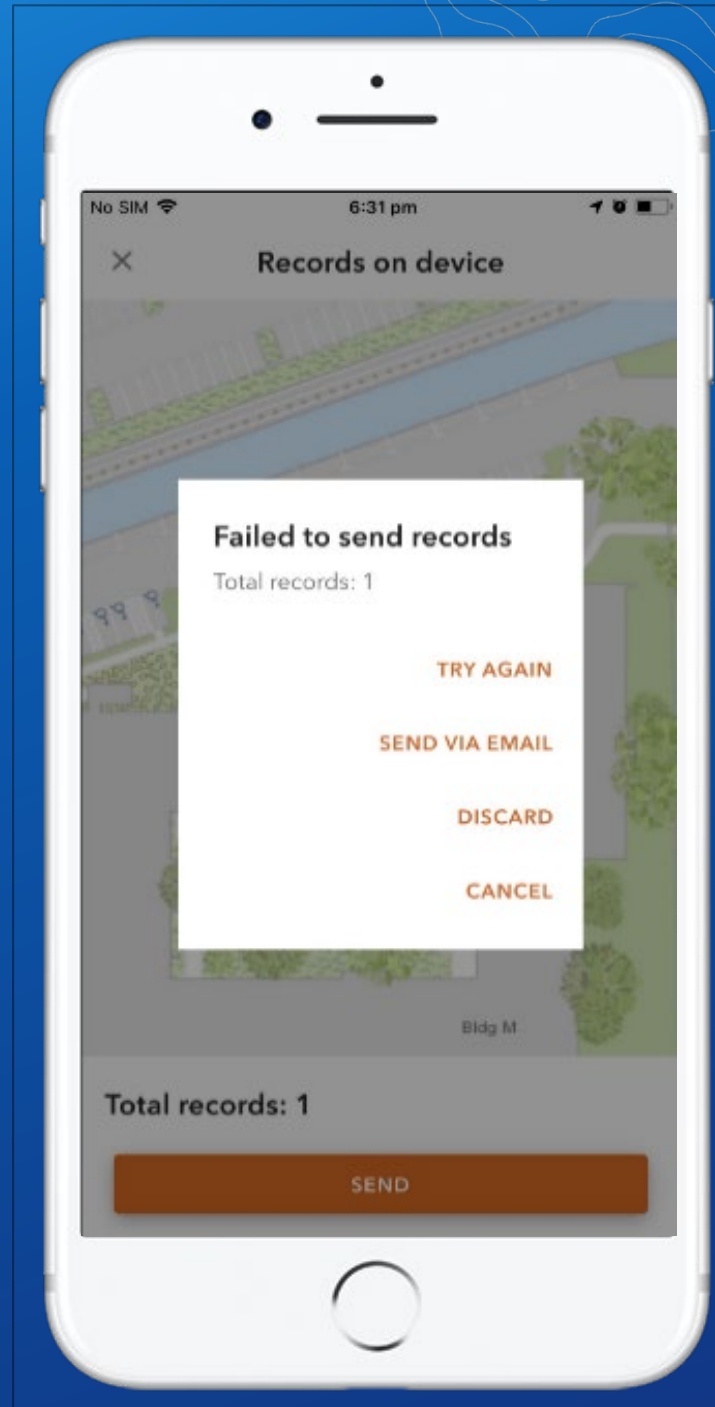
- Designer:

- quickcapture.arcgis.com can be easily configured to work against Enterprise.
- Starting with 10.8, the ArcGIS Enterprise setup includes QuickCapture designer



Data Recovery Workflows

- Field users can e-mail any features that fail to upload as a QuickCapture recovery file (.qcr)
- Default recipient of the email is set by the project author
- Contents of the qcr file are:
 - A SQLite database
 - Photo attachments
 - Text files describing the feature layer schema



QuickCapture QCR file reader

- ArcGIS Pro Add-In
- View geometry, attributes and error information
- Use append tool to update source layer

The screenshot displays the ArcGIS Pro interface. The main map area shows a campus layout with various buildings labeled (Bldg A through O), a central plant, and a U.S. Post Office. The map is overlaid with a grid. The bottom portion of the interface shows a table with error information.

rowid	FeatureId	Timestamp	ErrorMessage	Attachment FileName	QCRProc
1	{A129F64...	6/07/2019 1:31:08 AM	{error:"code":400,"details":["This operation is not supported."], "message":""}	<Null>	time (valu



ArcGIS QuickCapture custom url scheme

arcgis-quickcapture:///?portalUrl=<portalurl>&itemId=<itemid>

- **Configure the portal url**
- **Download a project**
- **Open a project**
- **Initialize project with a project user input**
- **Use app links to integrate QuickCapture with other apps**

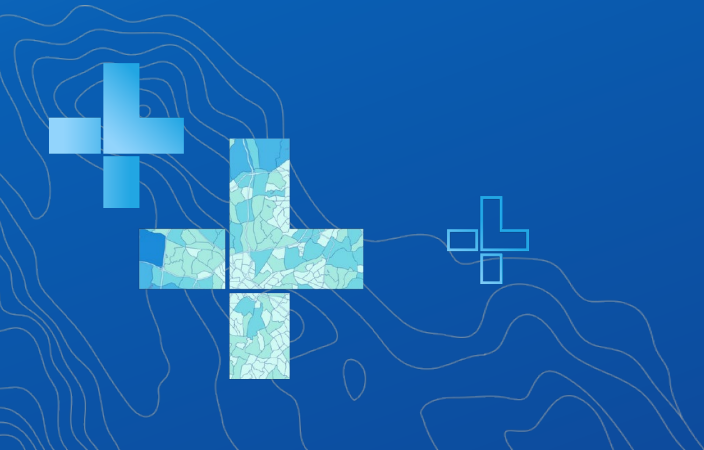
QuickCapture GeoNet place (Blog, Forum, Tutorials...)

The screenshot shows the Esri GeoNet community page for ArcGIS QuickCapture. The page features a navigation bar with links for Home, My News, Browse GeoNet, Communities, ArcGIS Ideas, and GeoNet Resource Hub. A prominent orange banner displays "All Places > ArcGIS QuickCapture" with an "Actions" button. Below the banner, a navigation menu includes Overview, Activity, Content, People, Subspaces, and Calendar. A message prompts users to log in to follow, share, and participate. The main content area is divided into three sections: "Welcome to ArcGIS QuickCapture" with introductory text, "ASK ARCGIS QUICKCAPTURE" with a search bar and "Ask my question" button, and "LATEST BLOG POSTS" listing recent updates like "ArcGIS QuickCapture 1.3 Released!". A right-hand sidebar titled "ANSWERED QUESTIONS" lists several user queries with checkmarks and timestamps.

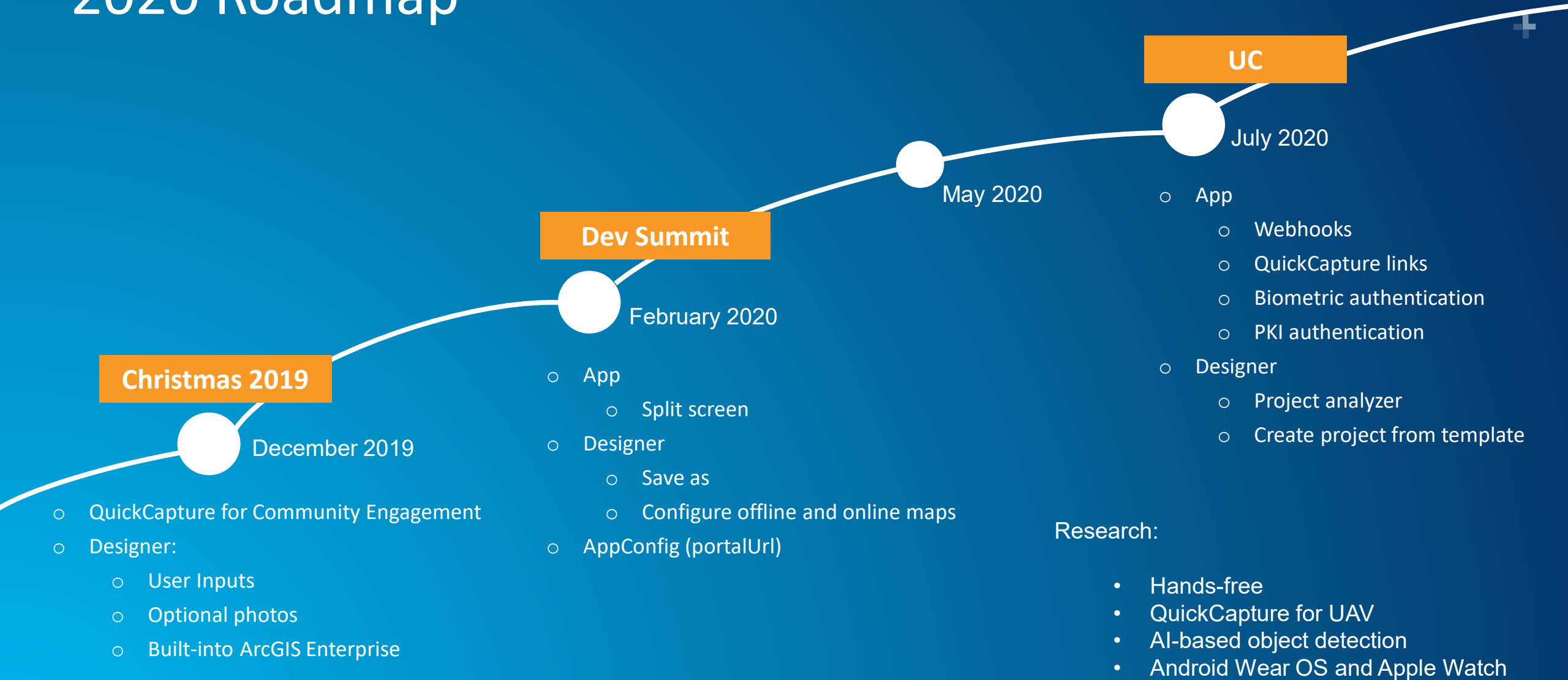
<https://community.esri.com/community/arccgis-quickcapture>

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2020 Roadmap



Synchronized release across all supported platforms (iOS, Android and Windows)

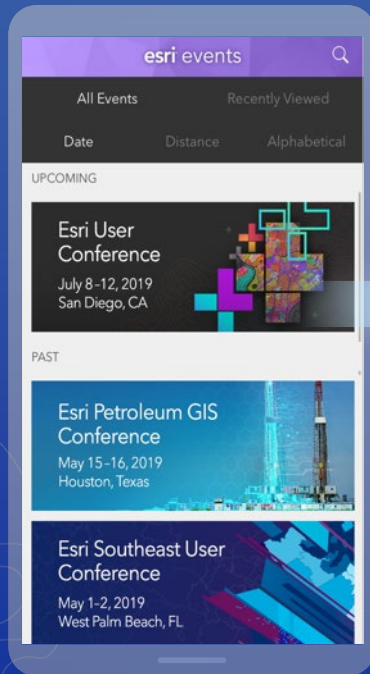
ArcGIS QuickCapture for UAV (Research)

- Connect ArcGIS QuickCapture to your UAV Flight Control software
- Leverage real time position of your UAV to collect data from QuickCapture
- Visualize location of your drone in a map

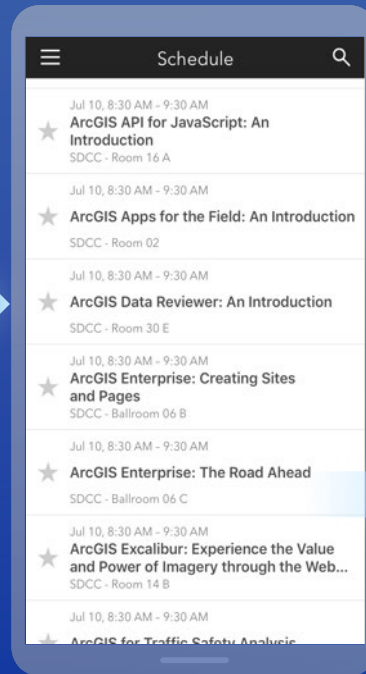


Please Share Your Feedback in the App

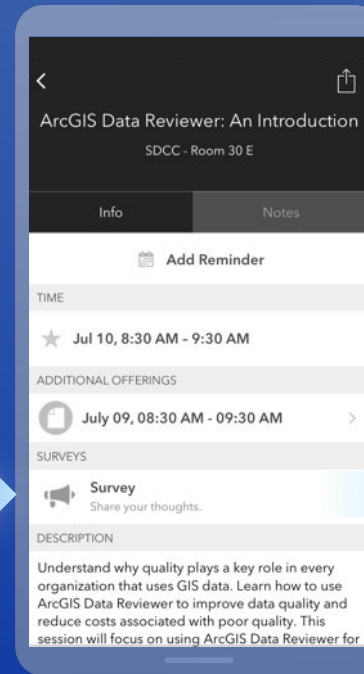
Download the Esri Events app and find your event



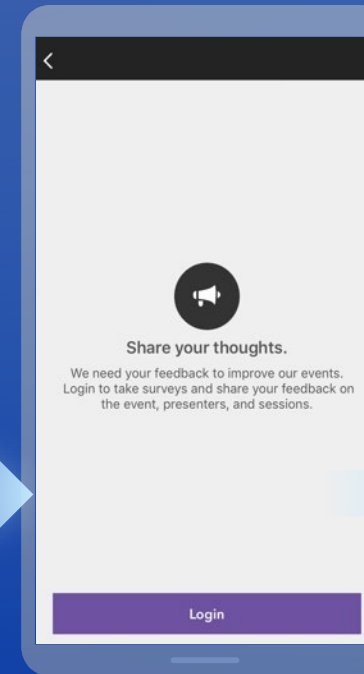
Select the session you attended



Scroll down to "Survey"



Log in to access the survey



Complete the survey and select "Submit"

