



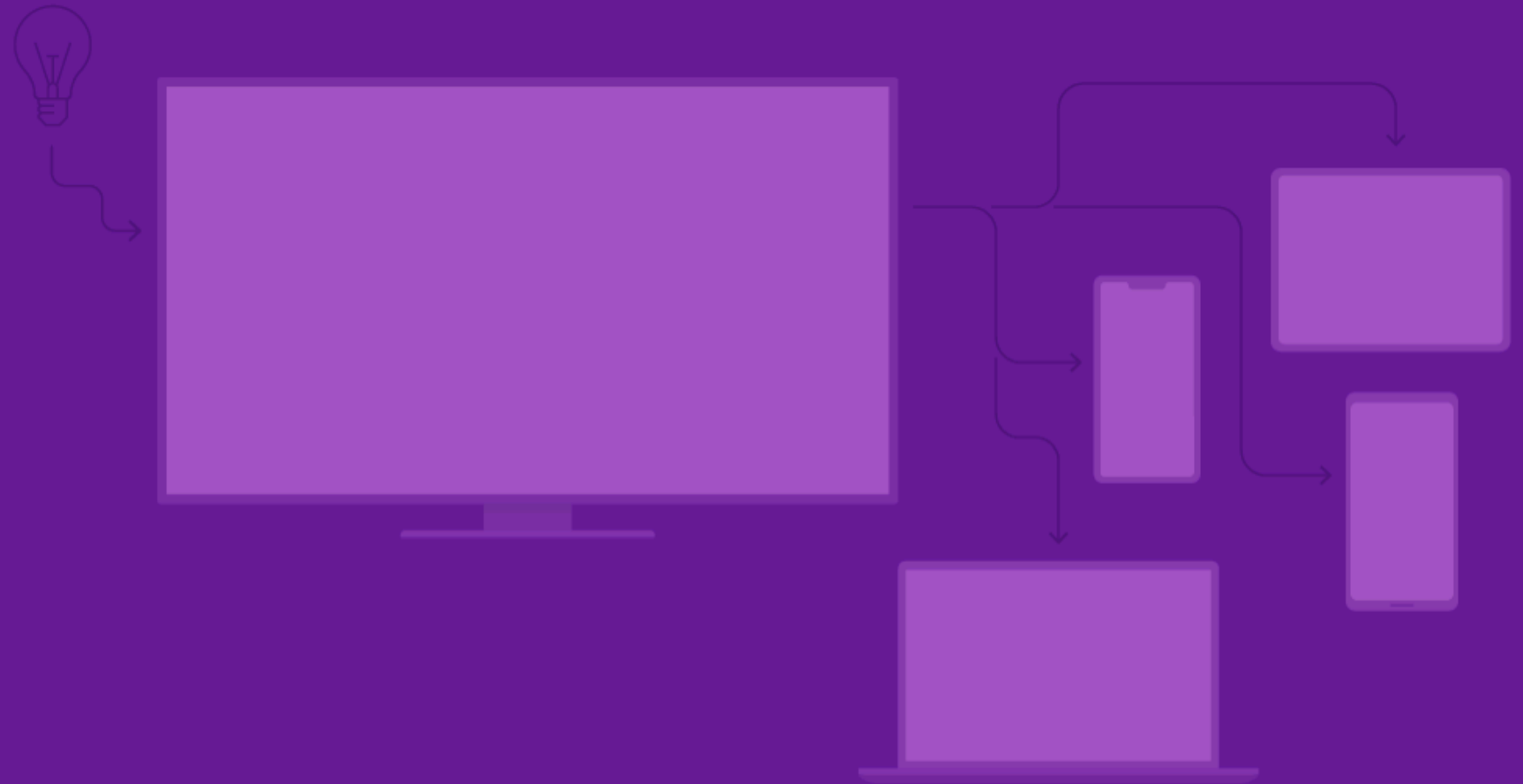
AppStudio for ArcGIS: Developing Cross-platform Native Apps

Chris LeSueur
Erwin Soekianto

2020 ESRI FEDERAL GIS CONFERENCE | WASHINGTON, D.C.

AppStudio

for ArcGIS



What is AppStudio for ArcGIS?

What is AppStudio for ArcGIS?

low-code / no-code solution for
creating native apps

Why Native Apps?

Offline



Device
Capabilities



App Stores



Challenges of Native App Development



Time and Cost



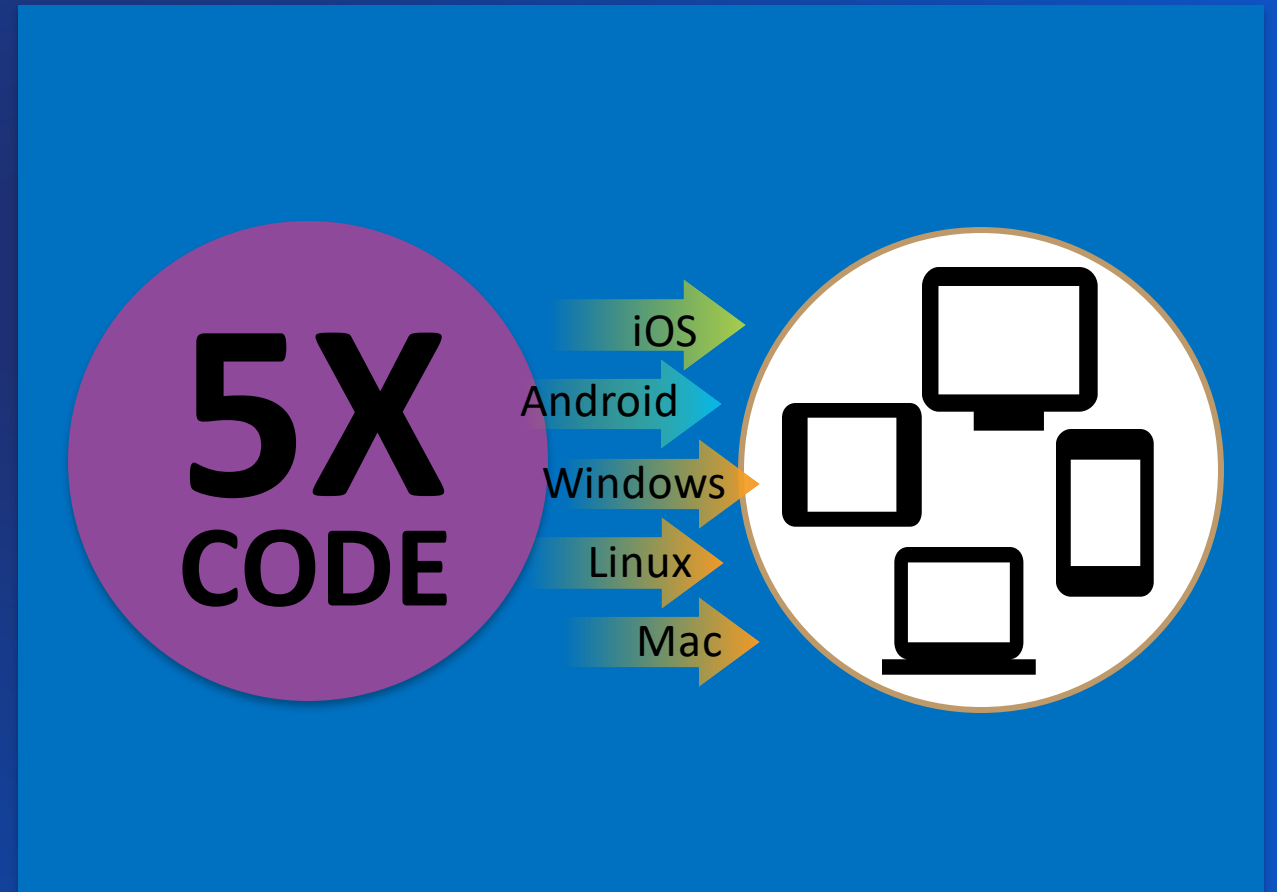
App Distribution







App Security

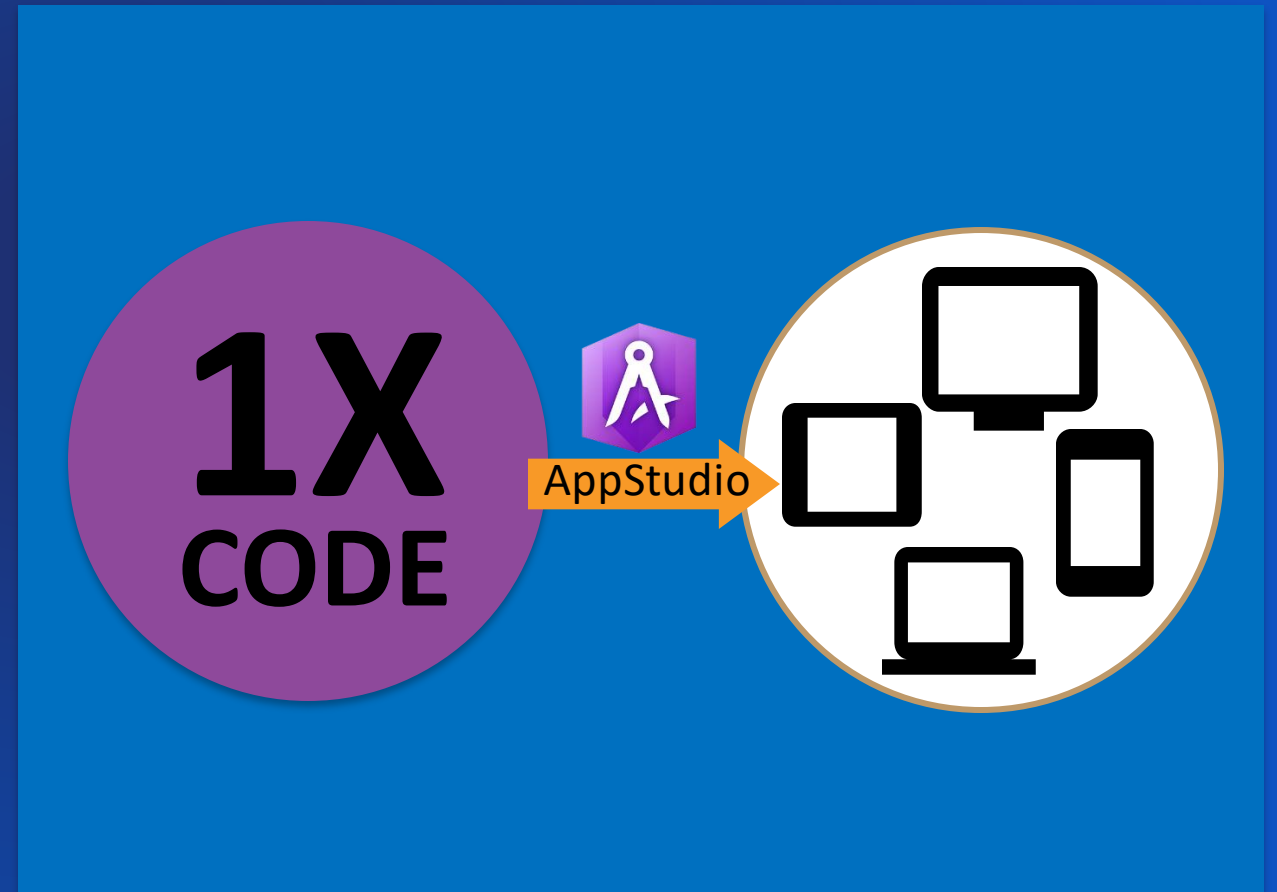


App Maintenance and Updates



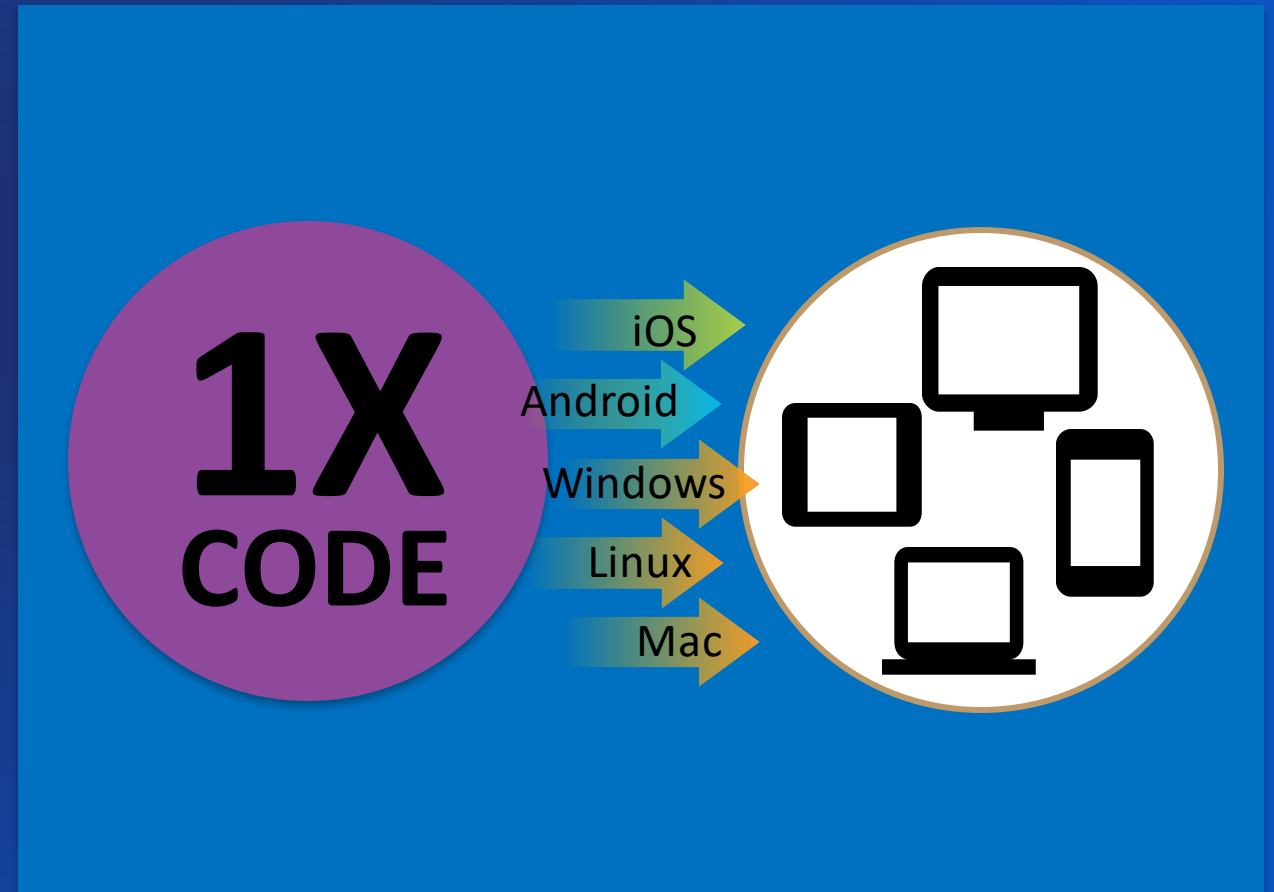
Challenges of Native App Development

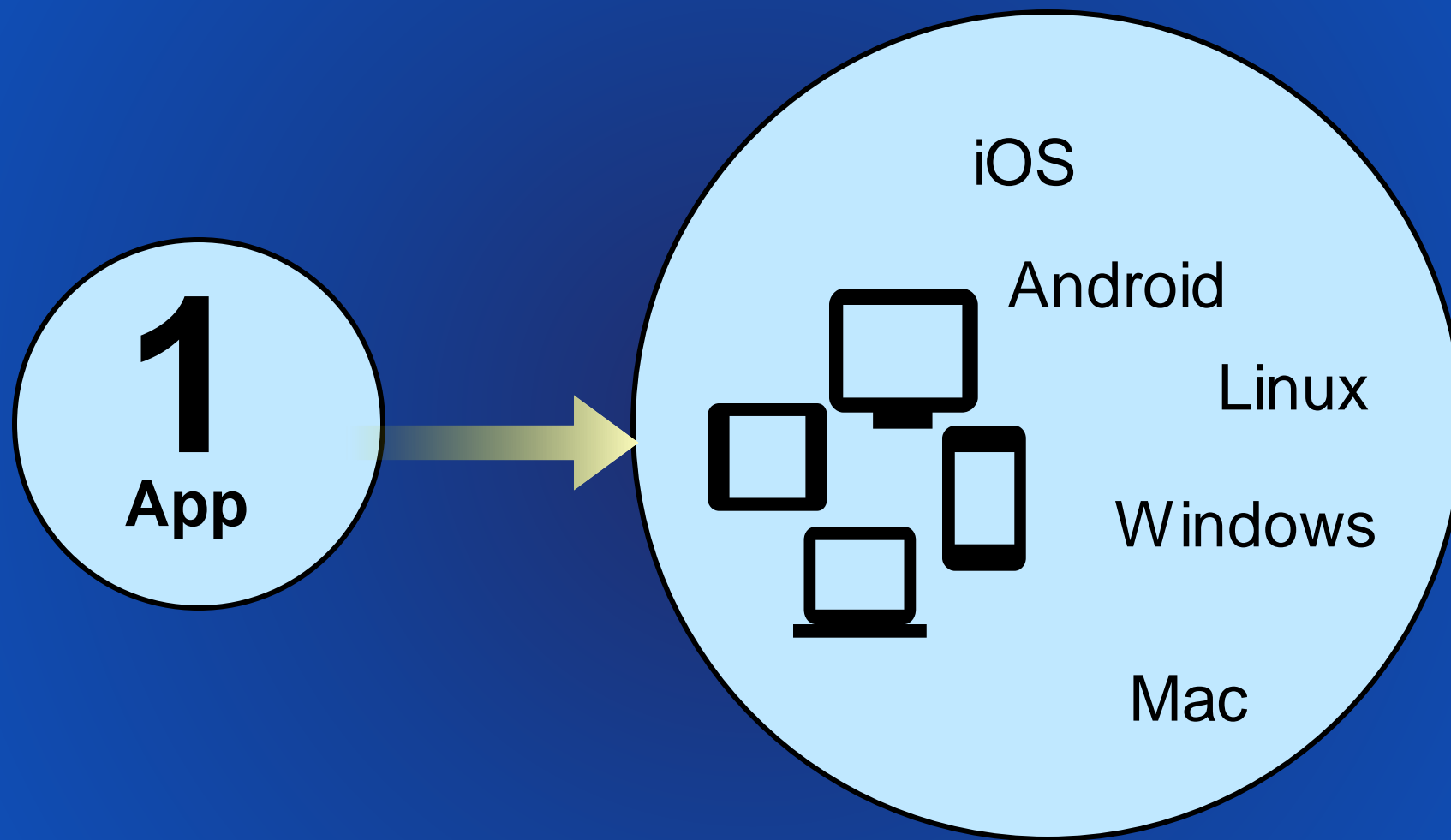
-  Time and Cost
-  App Distribution
-  App Security
-  App Maintenance and Updates

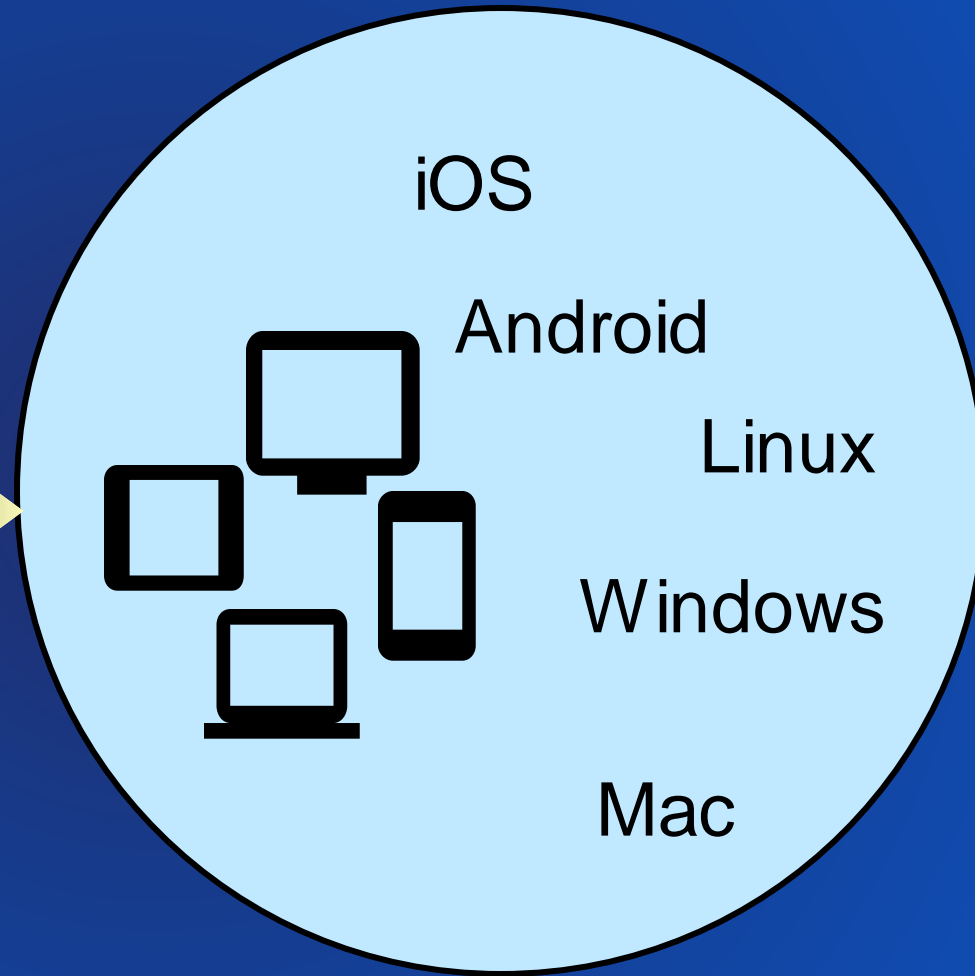


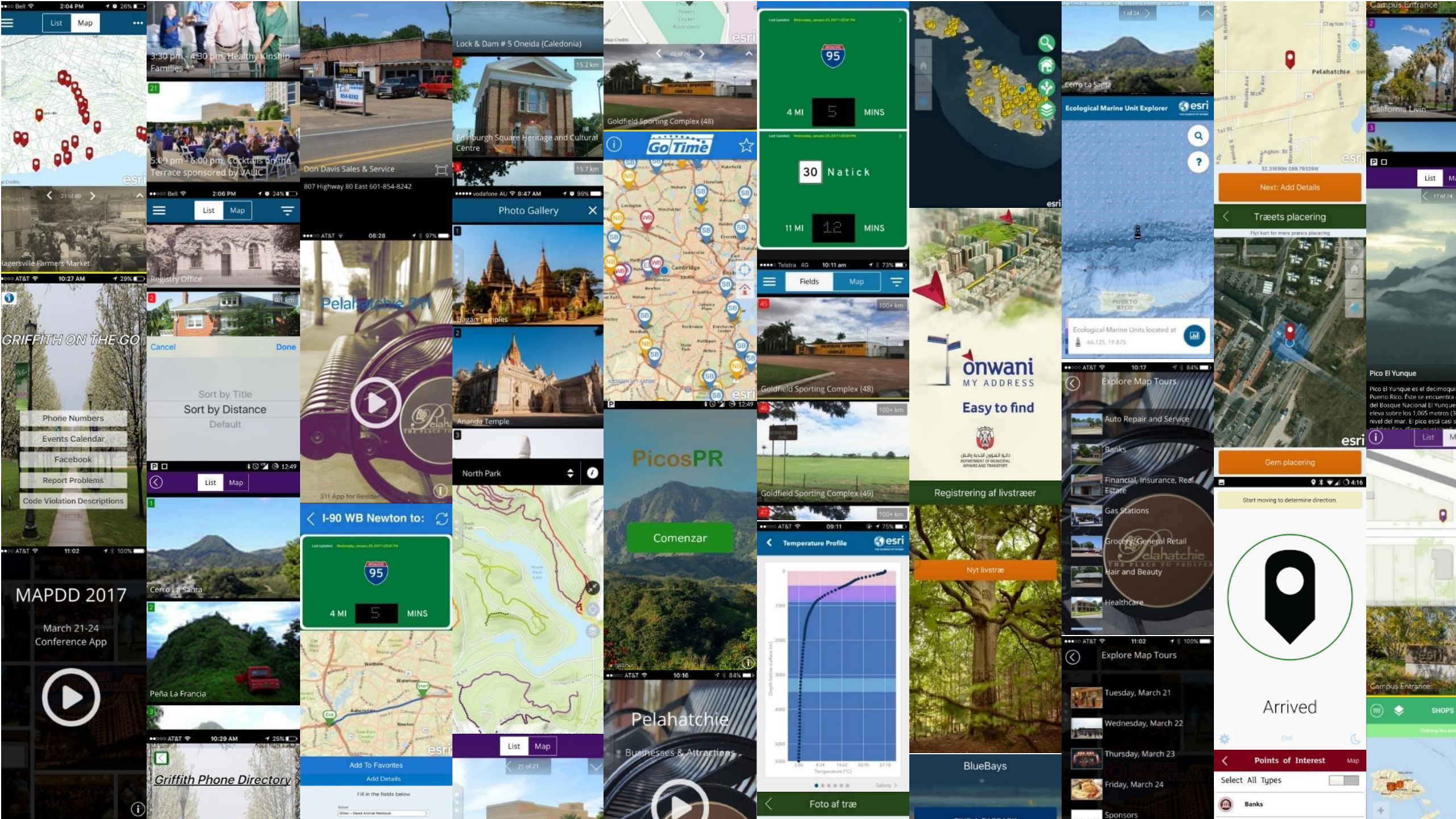
Advantages of AppStudio Development

-  Reduced Time and Cost
-  Flexible App Distribution
-  ArcGIS Users and App Security
-  Cross-Platform App Updates

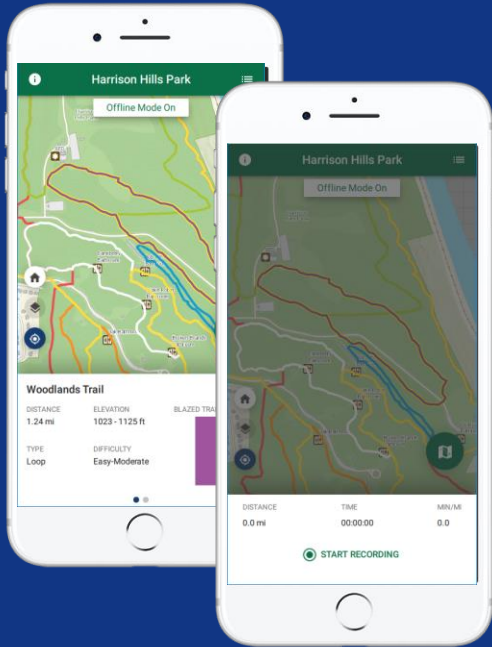








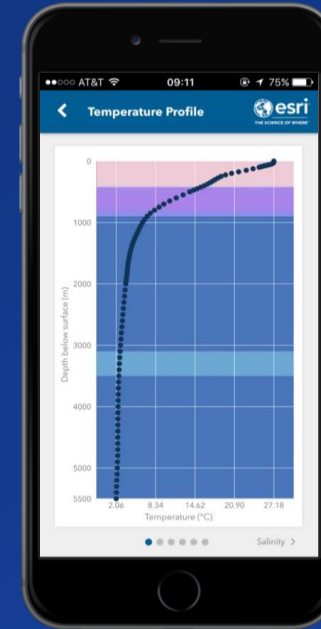
Public Information Apps



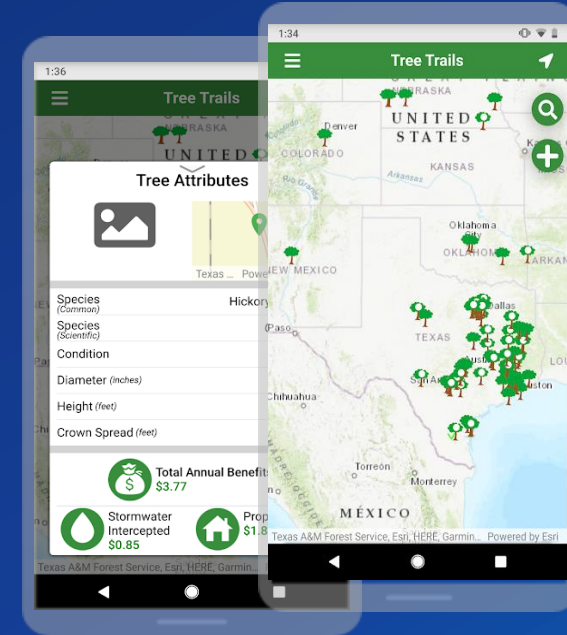
Allegheny County
Parks Trails



Fieldays



Ecological Marine
Unit



Tree Trails

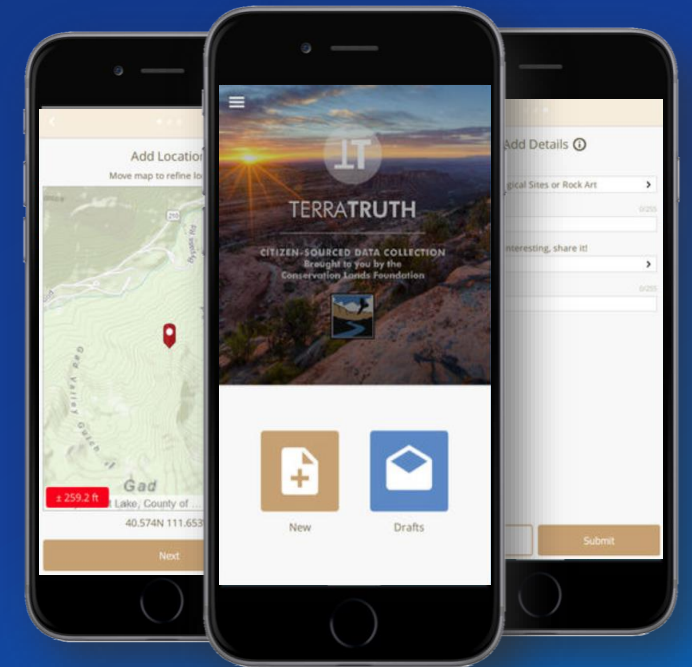
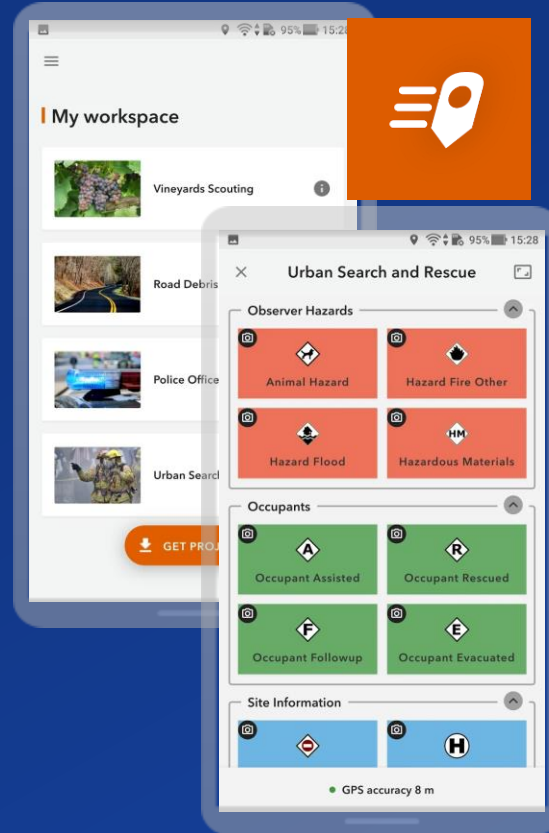
Data Collection Apps

QuickCapture

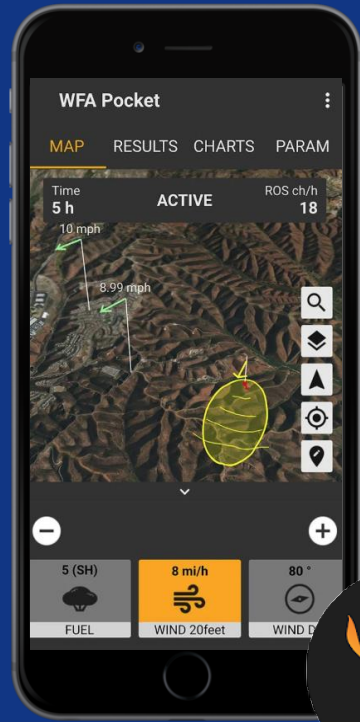
TERRATRUTH



Survey123



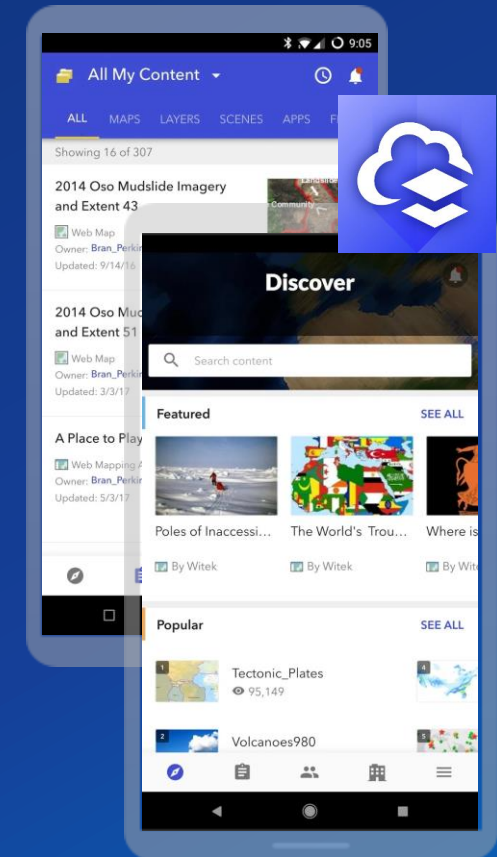
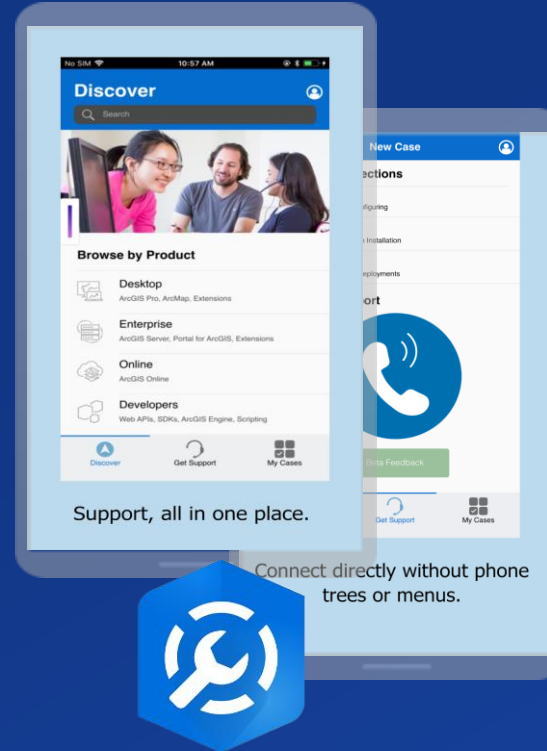
Business Apps



Wildfire Analyst
Pocket



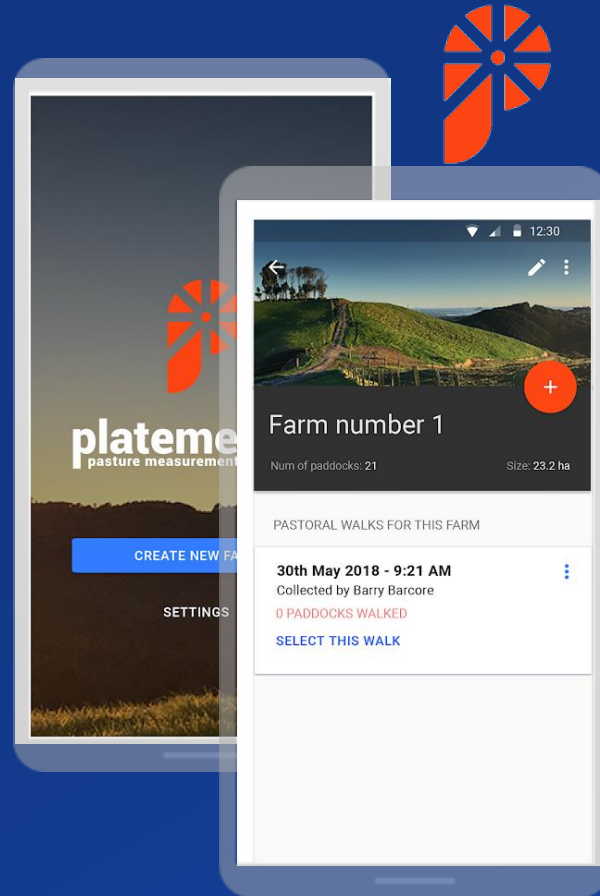
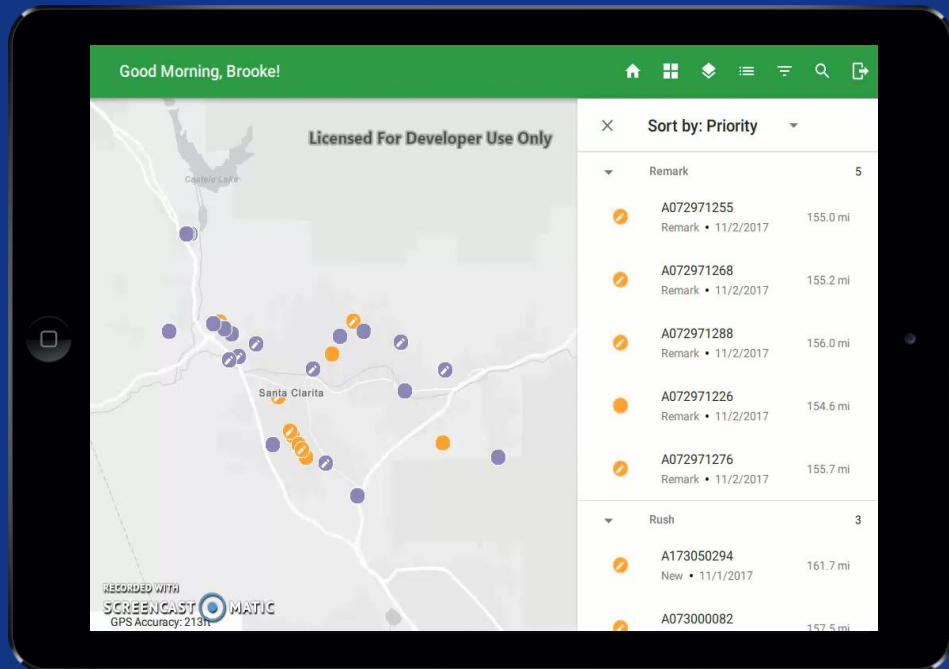
Esri Support



ArcGIS Companion

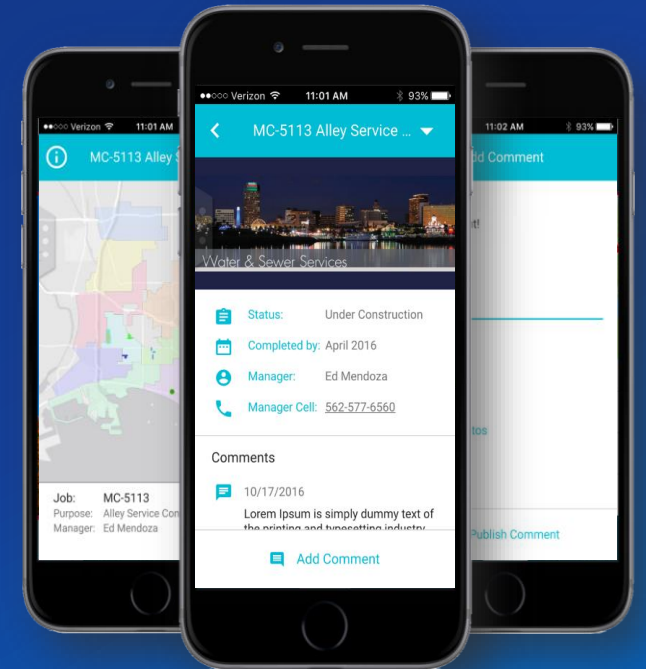
Enterprise Apps

Dig Alert



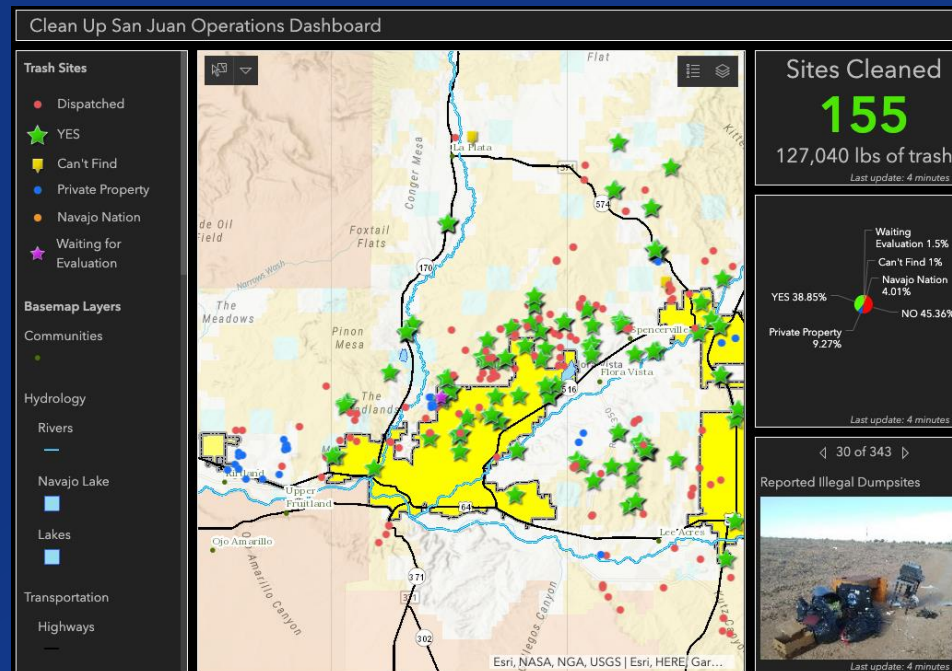
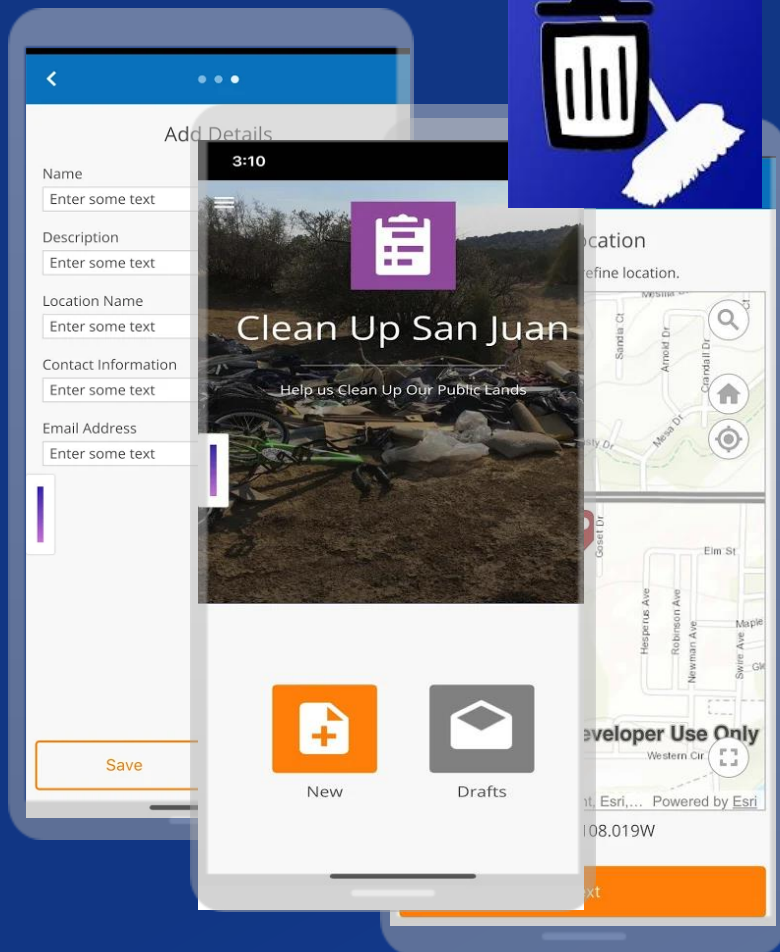
Platemeters

LBW Construction



Success Story

San Juan County, NM



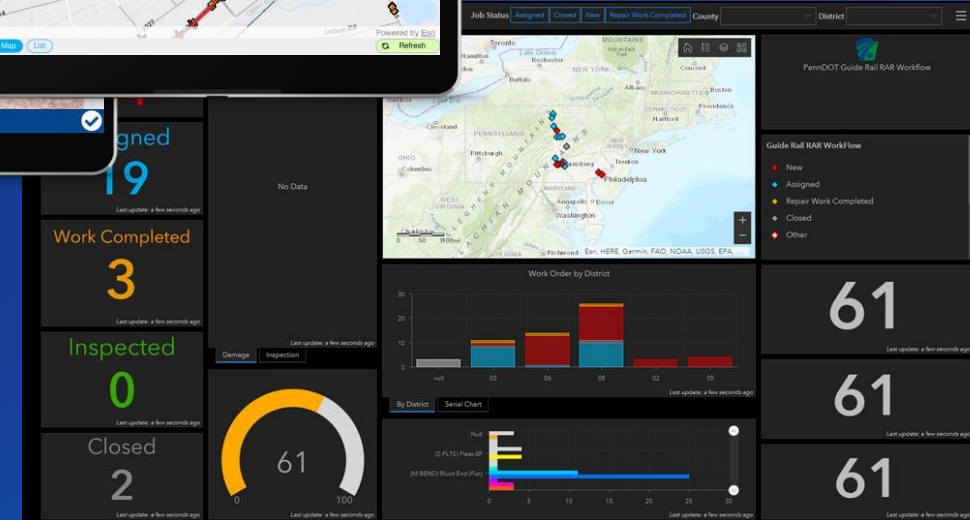
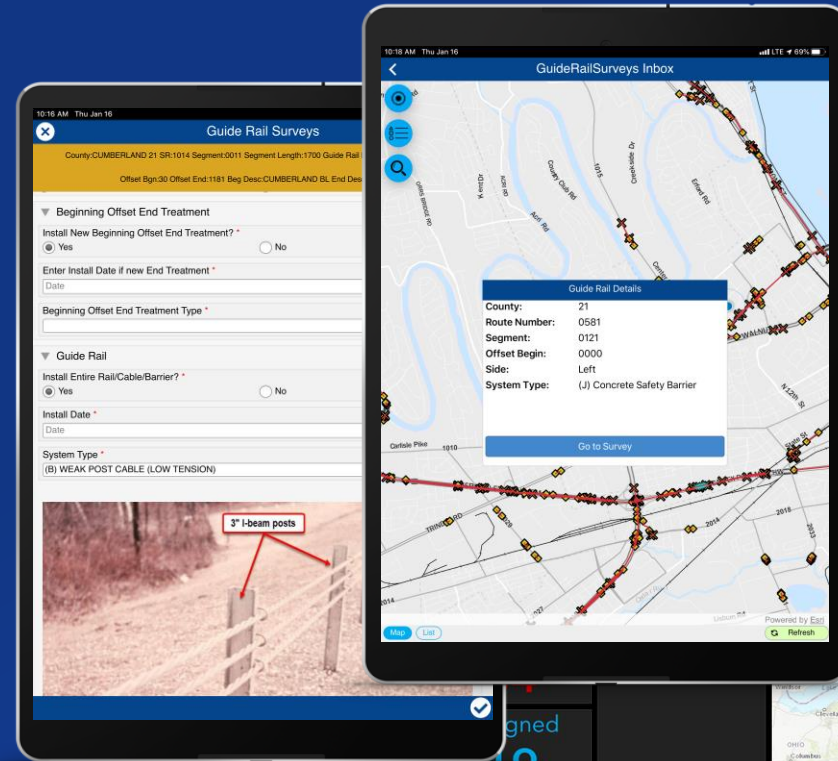
SRI USER CONFERENCE 2019
Special Achievement in GIS



Success Story

PennDOT Guide Rail Management

- Built by GeoDecisions (Esri Partner)
- Custom version of Survey123
- Data is pushed to Roadway Management System



“This results in time and cost savings, eliminating the need for personnel to manually enter the data in RMS..”

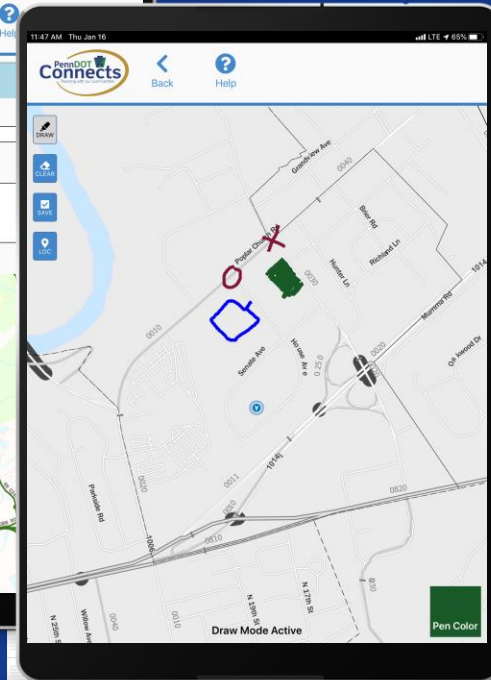
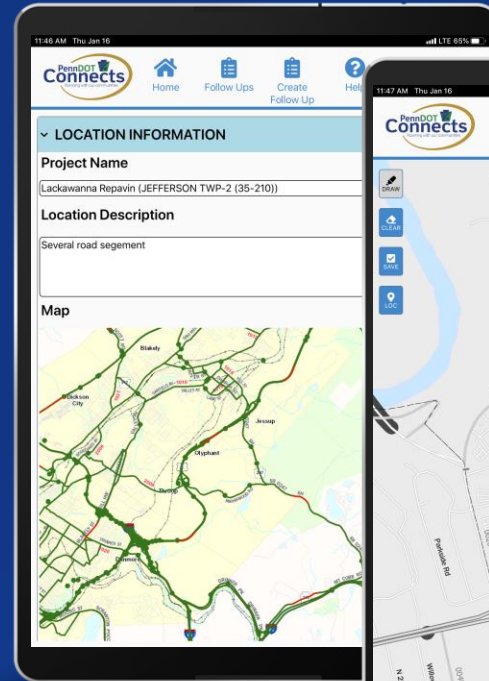
Success Story

PennDOT Connects Mobile

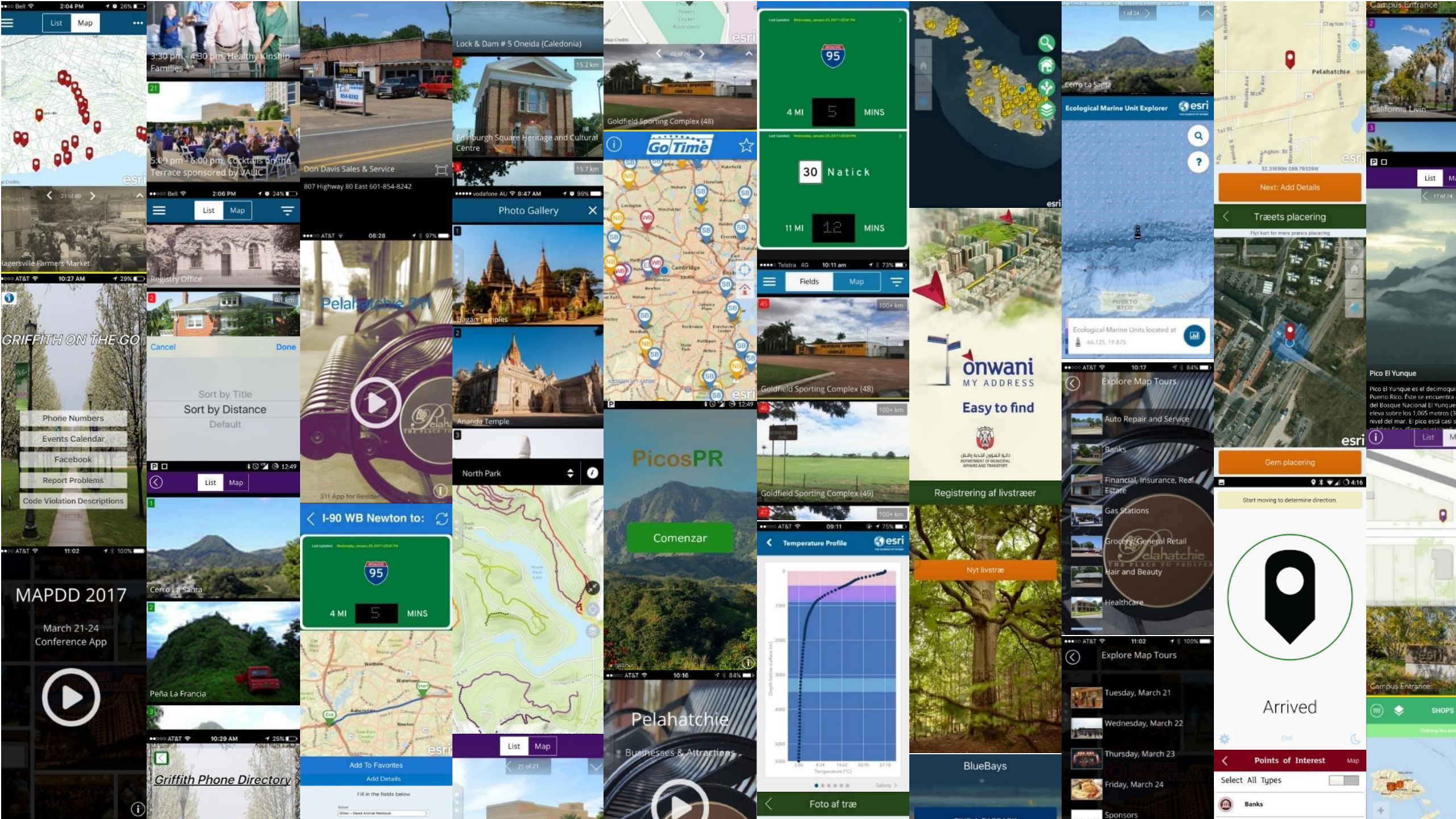
Custom AppStudio app for
PennDOT Connects work order
system

Offline
Cross-Platform

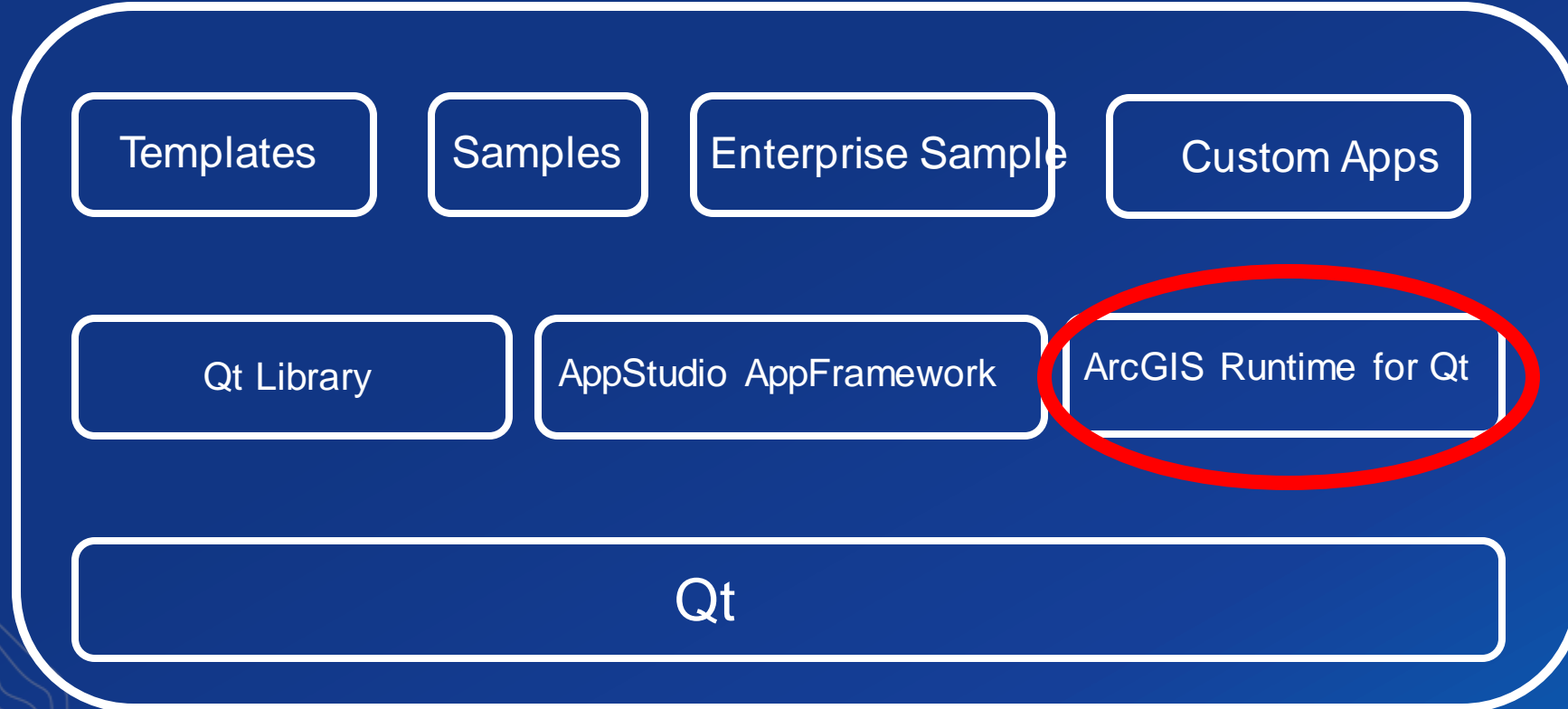
“Building it in AppStudio allowed us
to provide offline mapping
capabilities with cross-platform
support”

A screenshot of the PennDOT Connects mobile app showing a 'Scores' table. The table has columns for Type, Cty, Route, Seg Bgn, Off Bgn, Seg End, Off End, Brkley, and Score. It lists various stream sections and their scores.

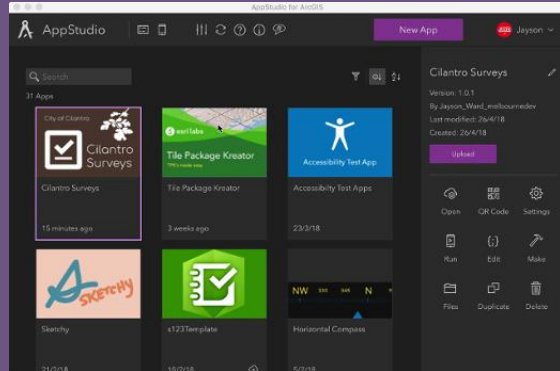
Scores								
Asset Count: 2								
By Asset		By Category						
Type	Cty	Route	Seg Bgn	Off Bgn	Seg End	Off End	Brkley	Score
+	RMS	22	D067	0020	0000	0000		0
-	RMS	22	D080	0020	0000	0000		0
Id	Description	Distance	Score					
2.5.1.a	Stream Sections that Support Wild Trout Production	> Max	0					
2.5.1.a	Class A, Wild Trout Streams	> Max	0					
2.5.1.a	Wilderness Trout Streams	> Max	0					
2.5.1.b	Streams Chapter 93 HQ/EV Designated Use	1822 ft	0					
2.5.1.c	National Wetlands Inventory for Pennsylvania	1410 ft	0					
2.5.1.c	Hydric soils	> Max	0					
2.5.1.n	FEMA / FEMA Unified Hazard Mitigation Assistance	0 ft	0					



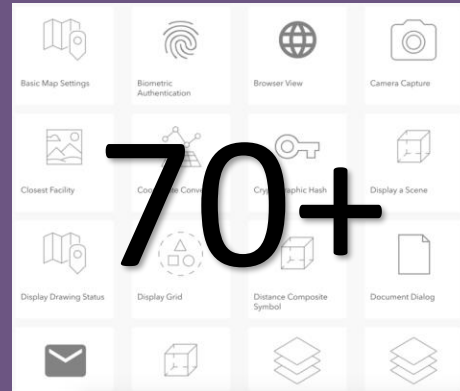
AppStudio Architecture



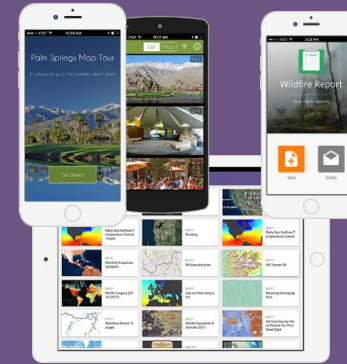
The AppStudio suite of productivity tools



AppStudio
Desktop



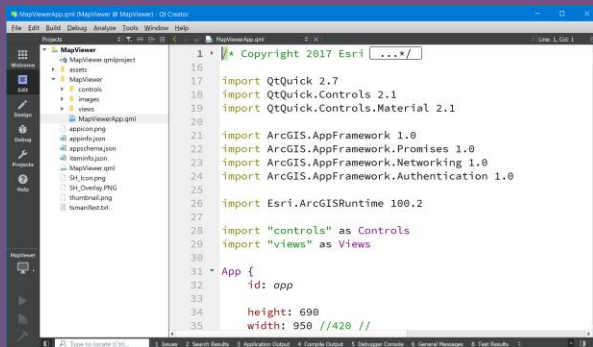
Interactive
Samples



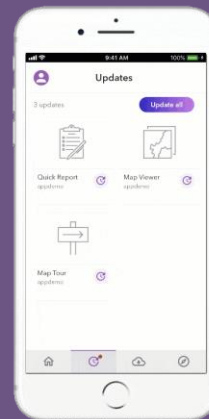
Configurable
Templates



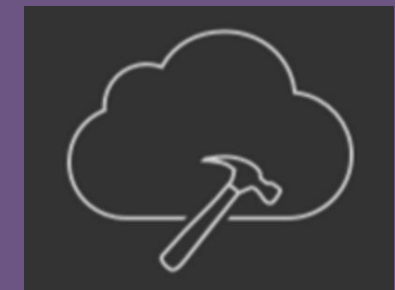
Advanced
Templates



Developer
Environment



AppStudio Player



Cloud Make

Who is using AppStudio



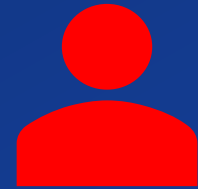
Web GIS
User



GIS
Professional



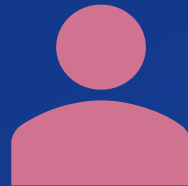
Python
Developers



Web
Developers



Esri
Prof Services



Esri
Partners



Solution
Providers

Deploying AppStudio Apps

Chris LeSueur



Player – Developer Tool



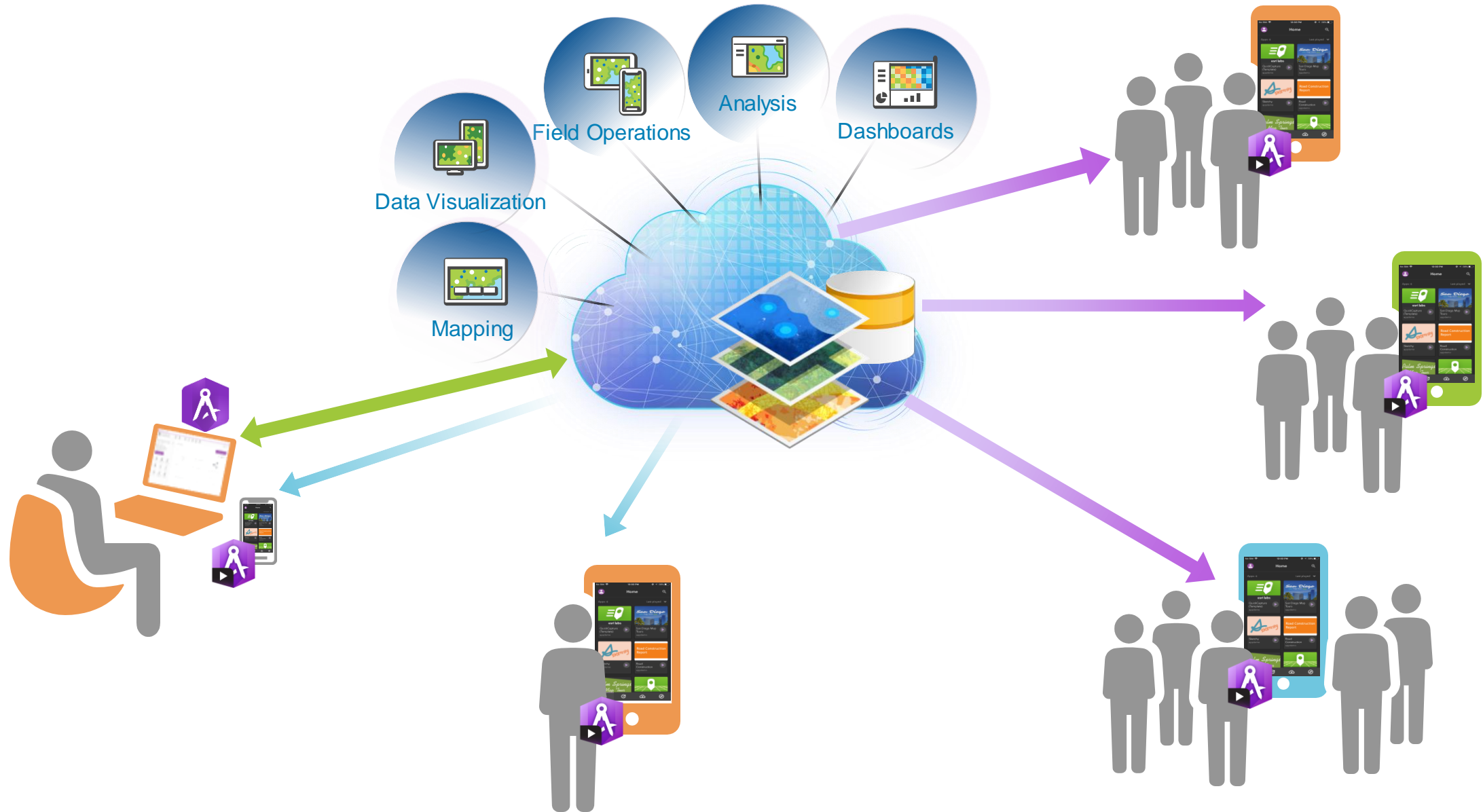
Player – Developer Tool



Player – Developer Tool

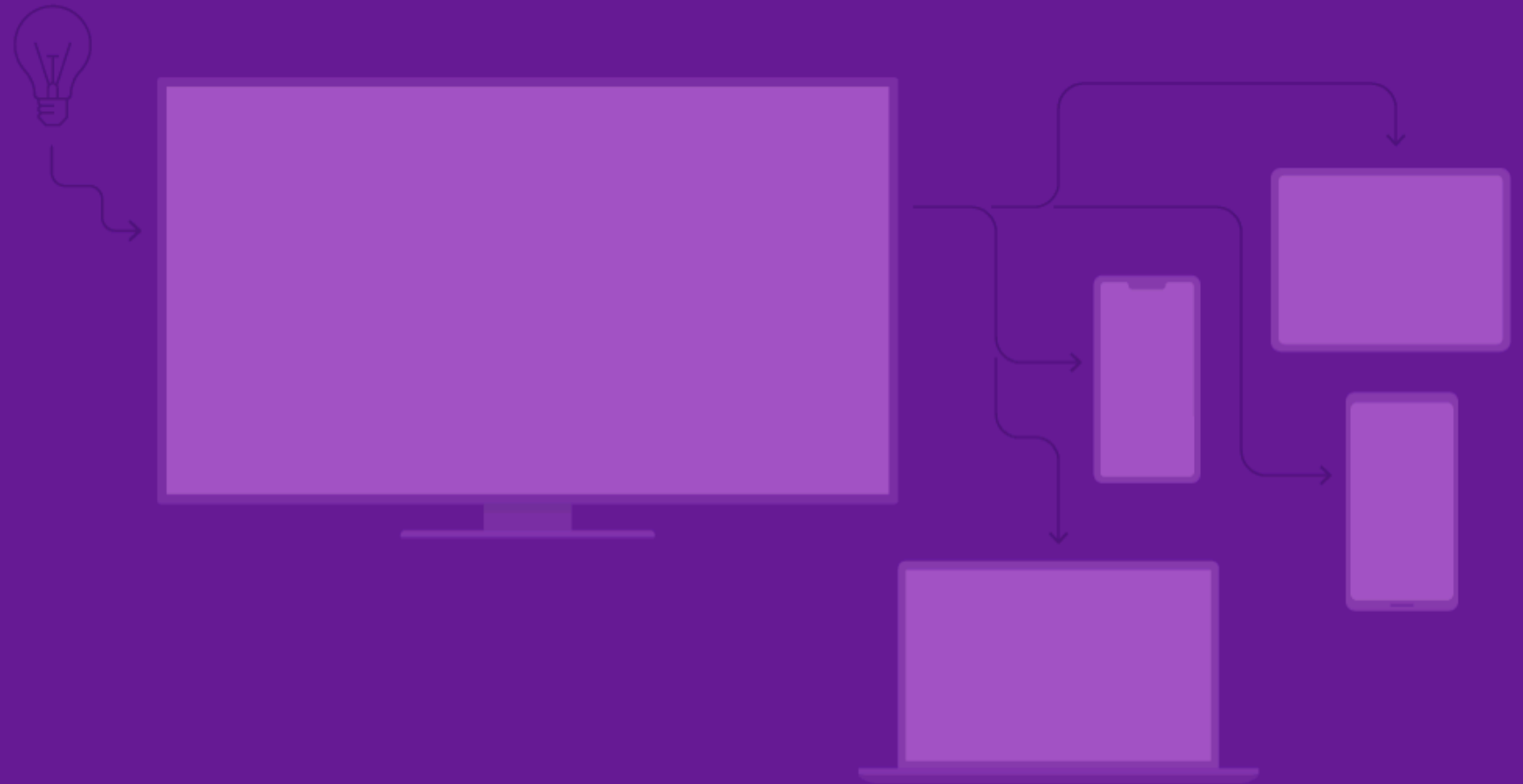


Player – Enterprise Deployment Tool



AppStudio

for ArcGIS



Print Your Certificate of Attendance

Print Stations Located in 150 Concourse Lobby

Tuesday

12:30 pm – 6:30 pm
Expo
Hall B

5:15 pm – 6:30 pm
Expo Social
Hall B

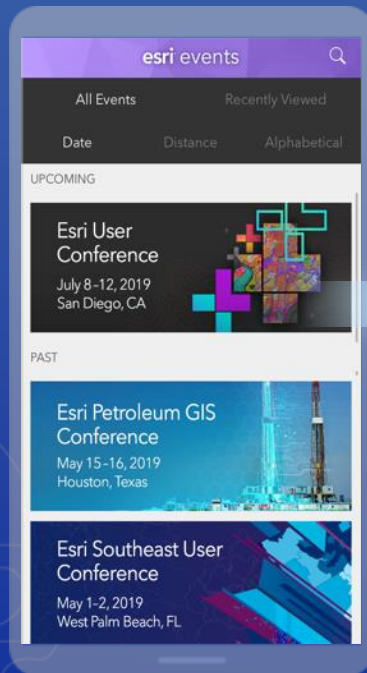
Wednesday

10:45 am – 5:15 pm
Expo
Hall B

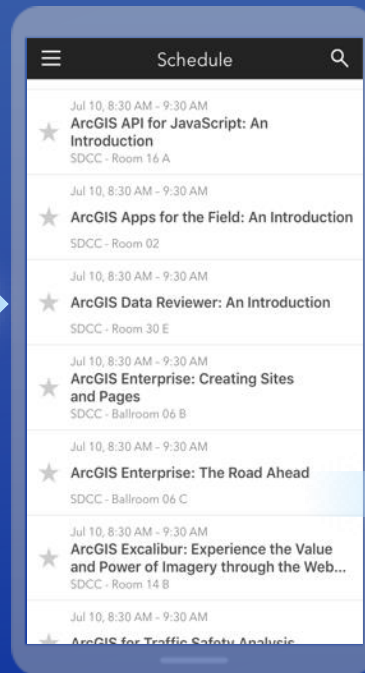
6:30 pm – 9:30 pm
Networking Reception
Smithsonian National Museum
of Natural History

Please Share Your Feedback in the App

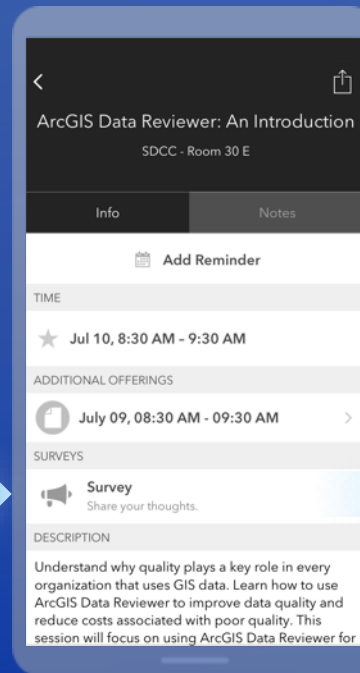
Download the Esri Events app and find your event



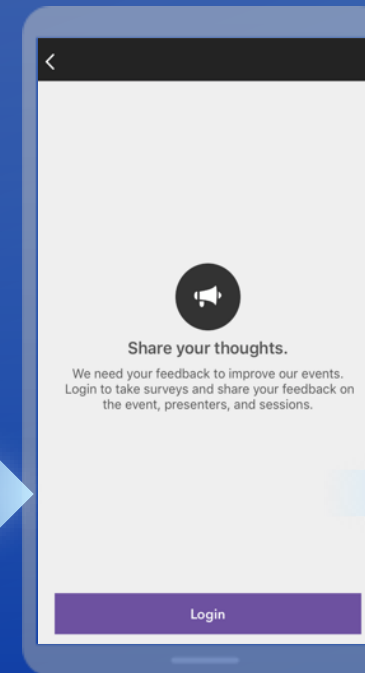
Select the session you attended



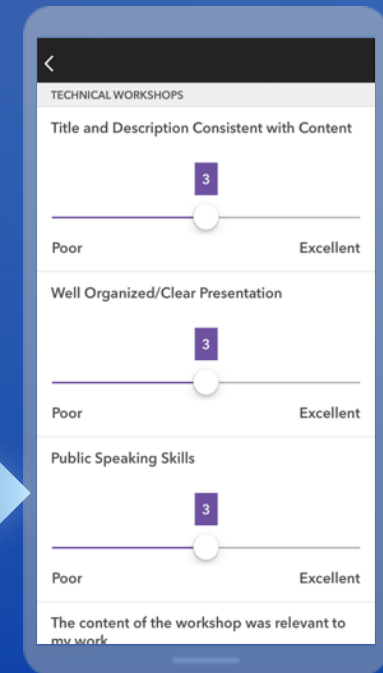
Scroll down to "Survey"



Log in to access the survey



Complete the survey and select "Submit"



Section Header

Section Subhead

