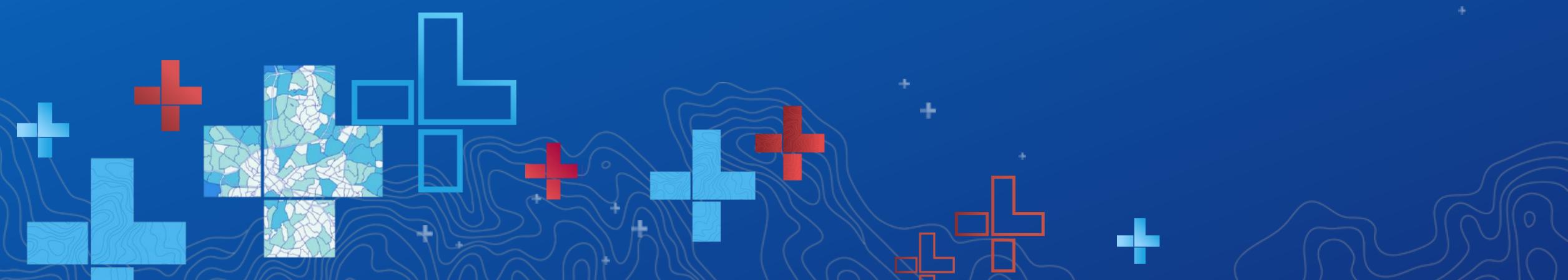




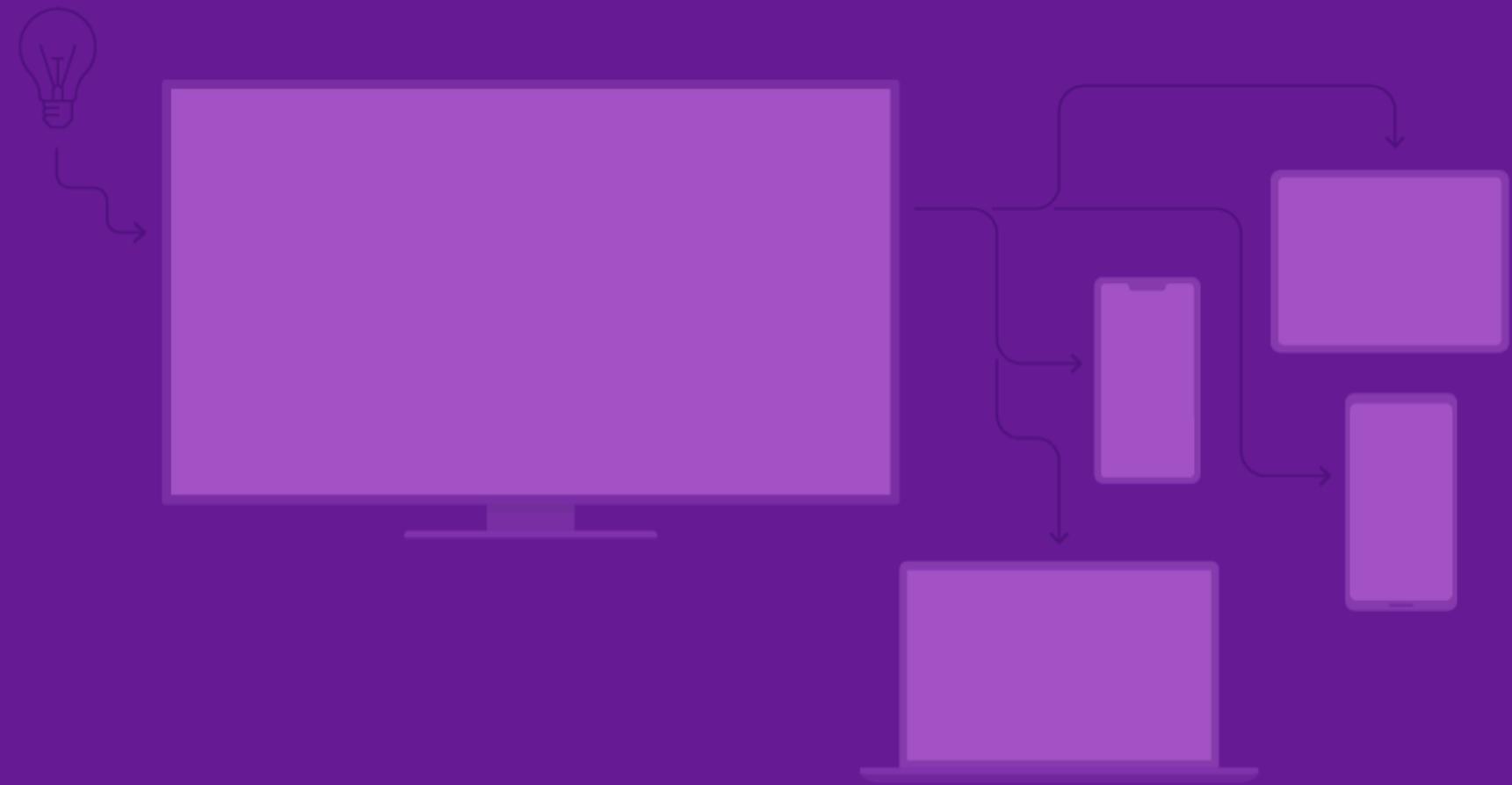
AppStudio for ArcGIS: Developing Cross-platform Native Apps

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

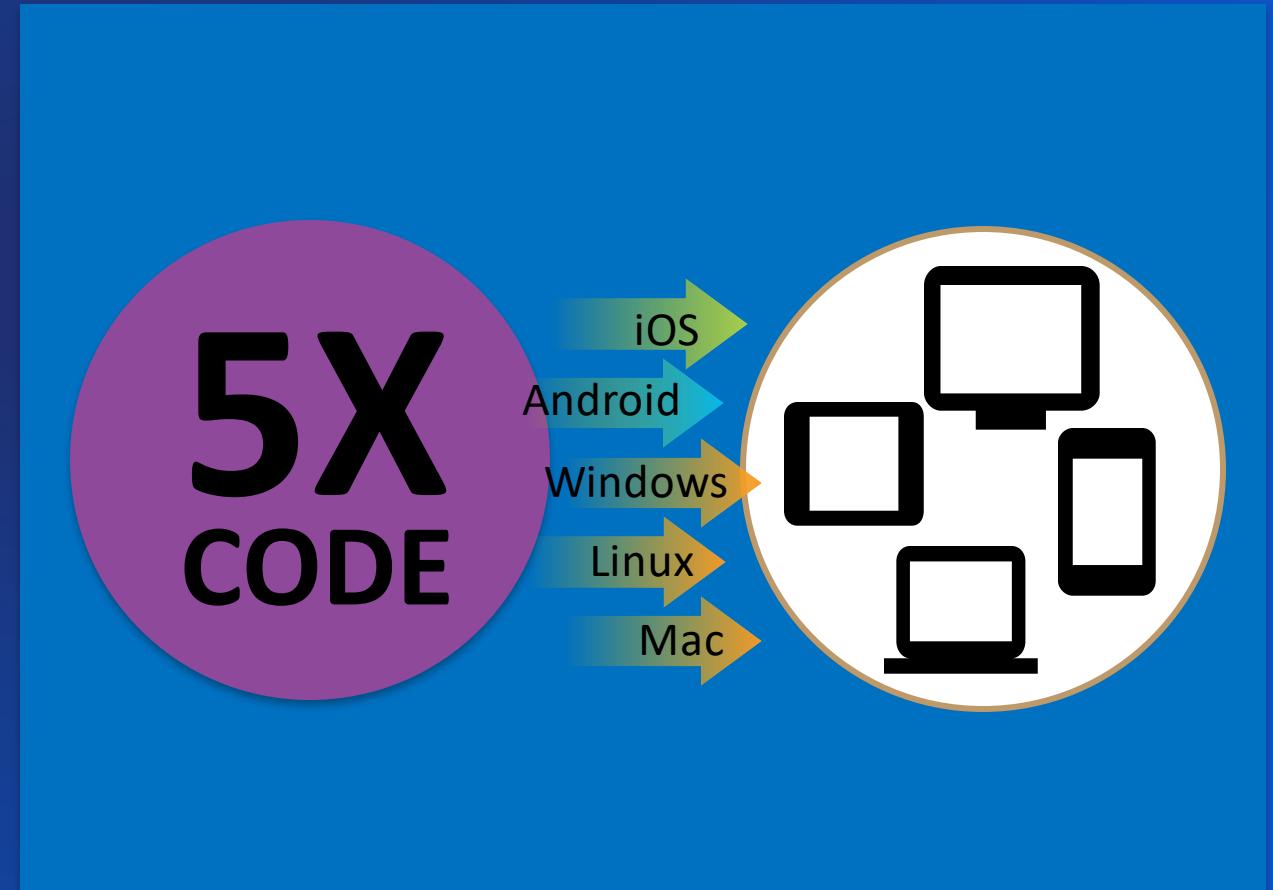


App Stores



Challenges of Native App Development

- \$ Time and Cost
- grid App Distribution
- lock App Security
- download App Maintenance and Updates



Challenges of Native App Development



Time and Cost



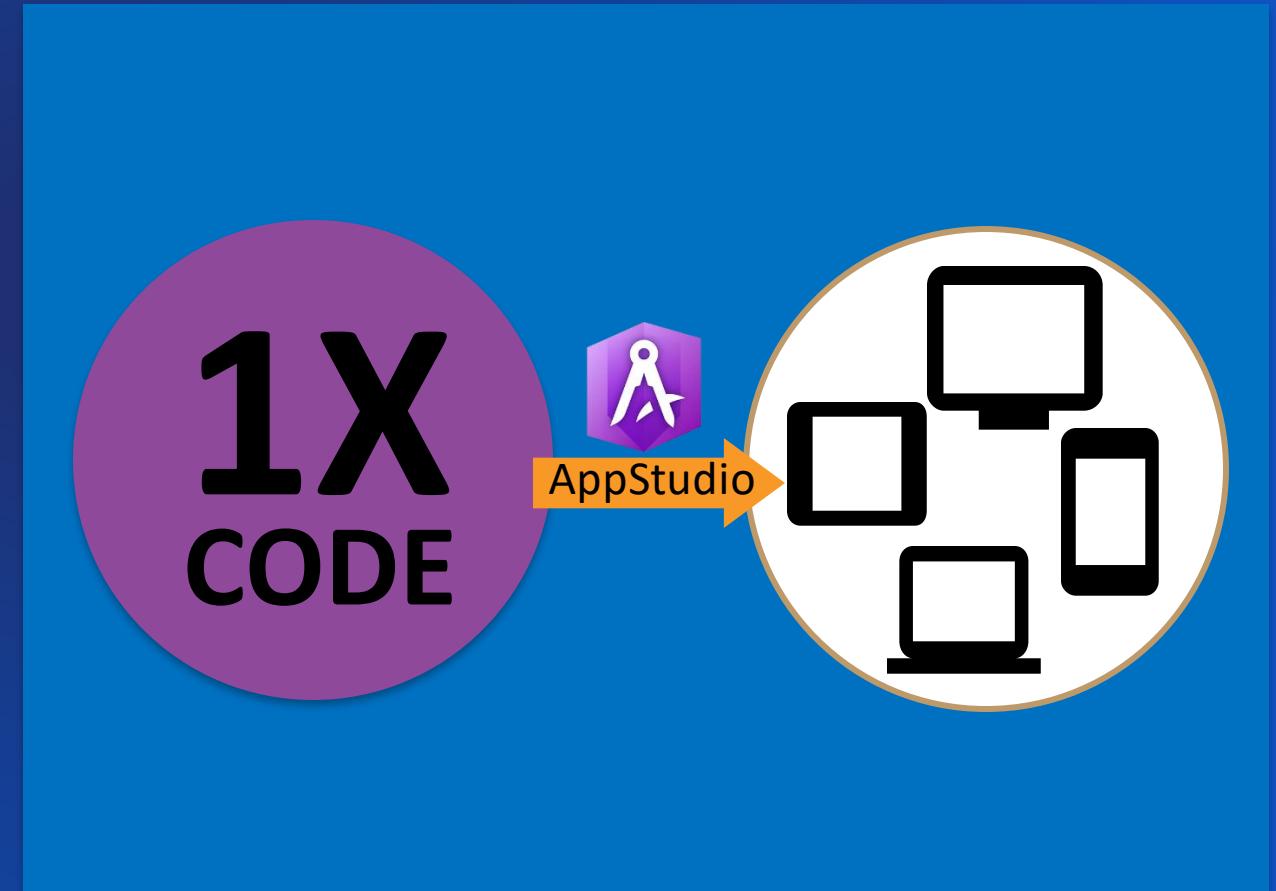
App Distribution



App Security

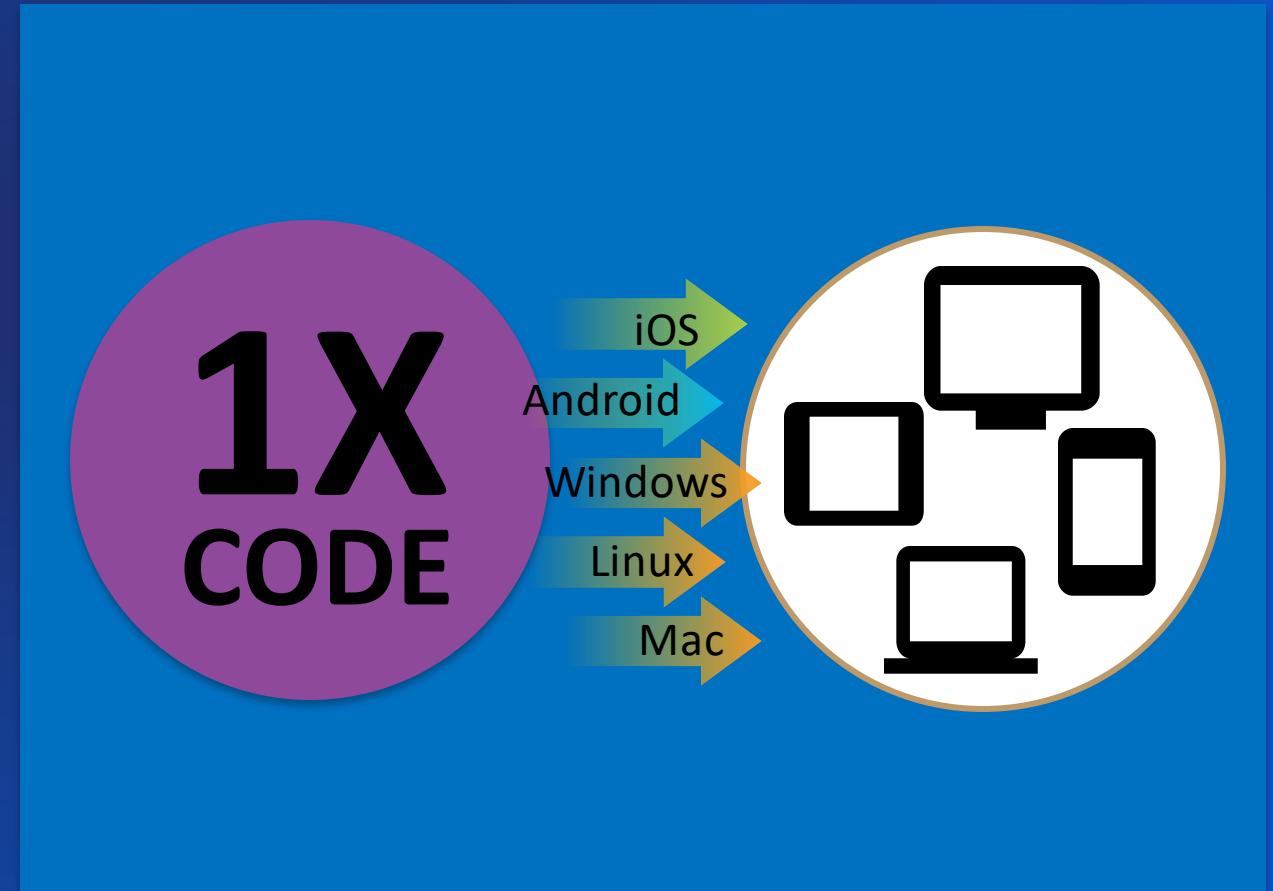


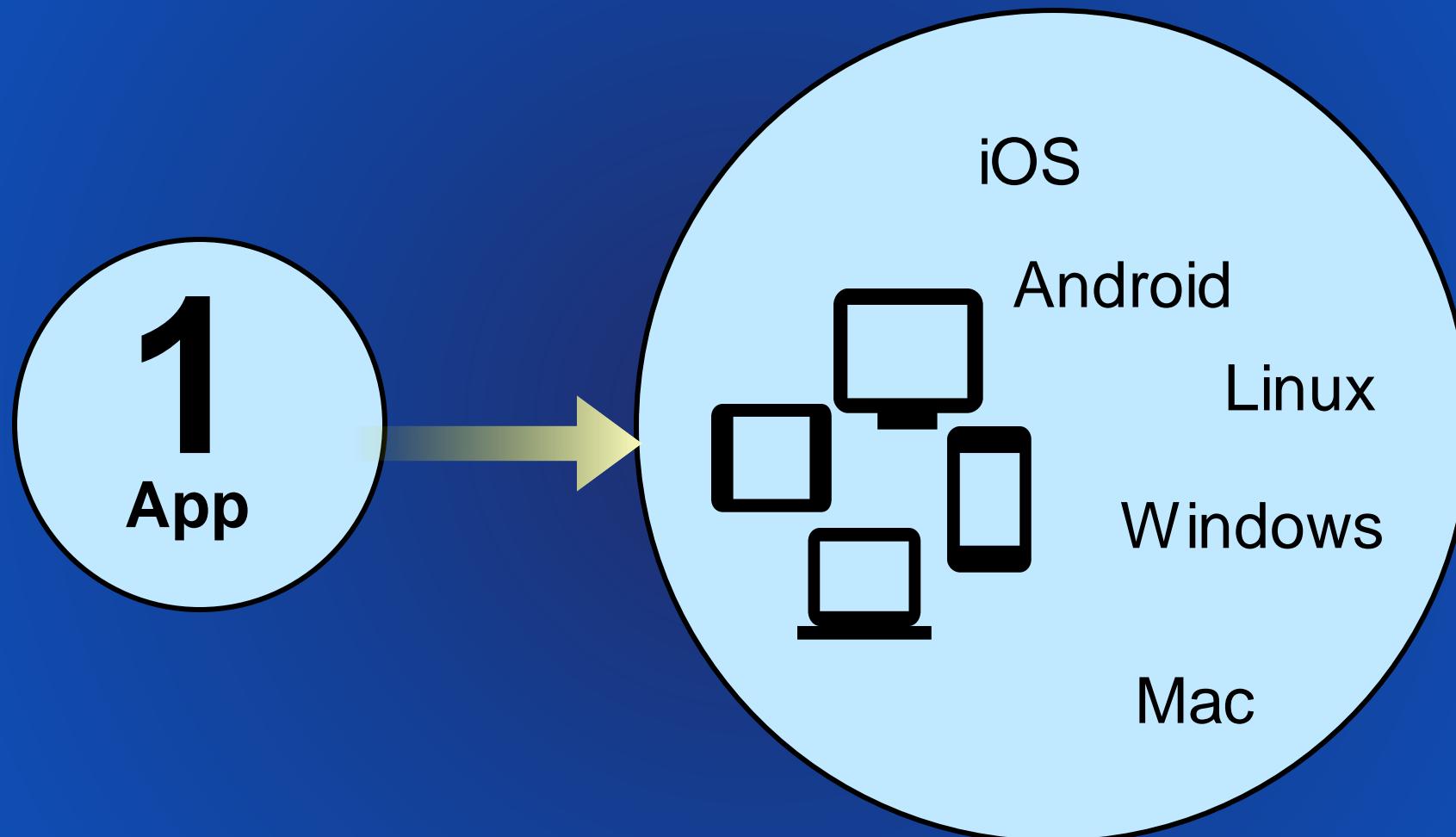
App Maintenance and Updates

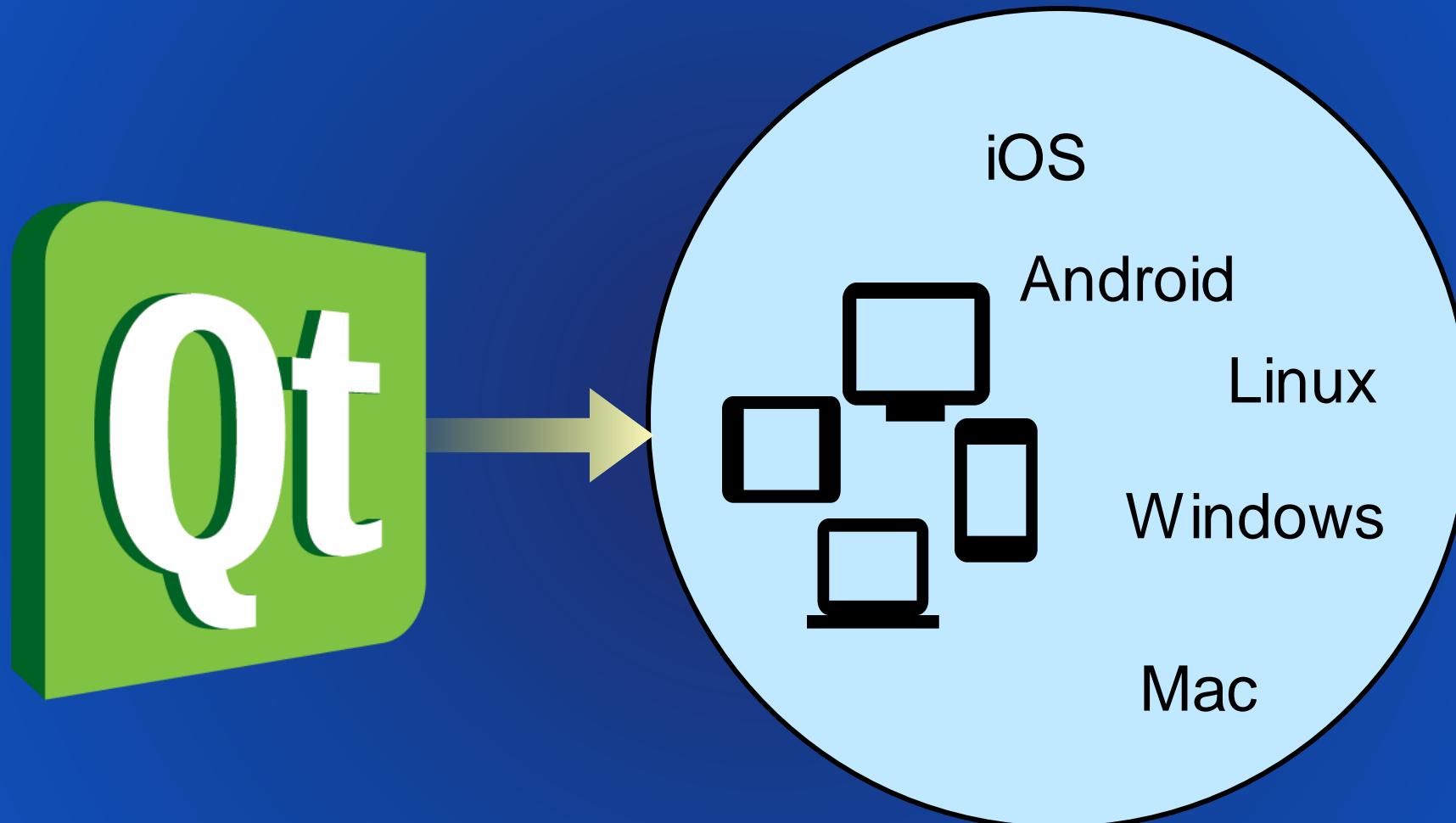


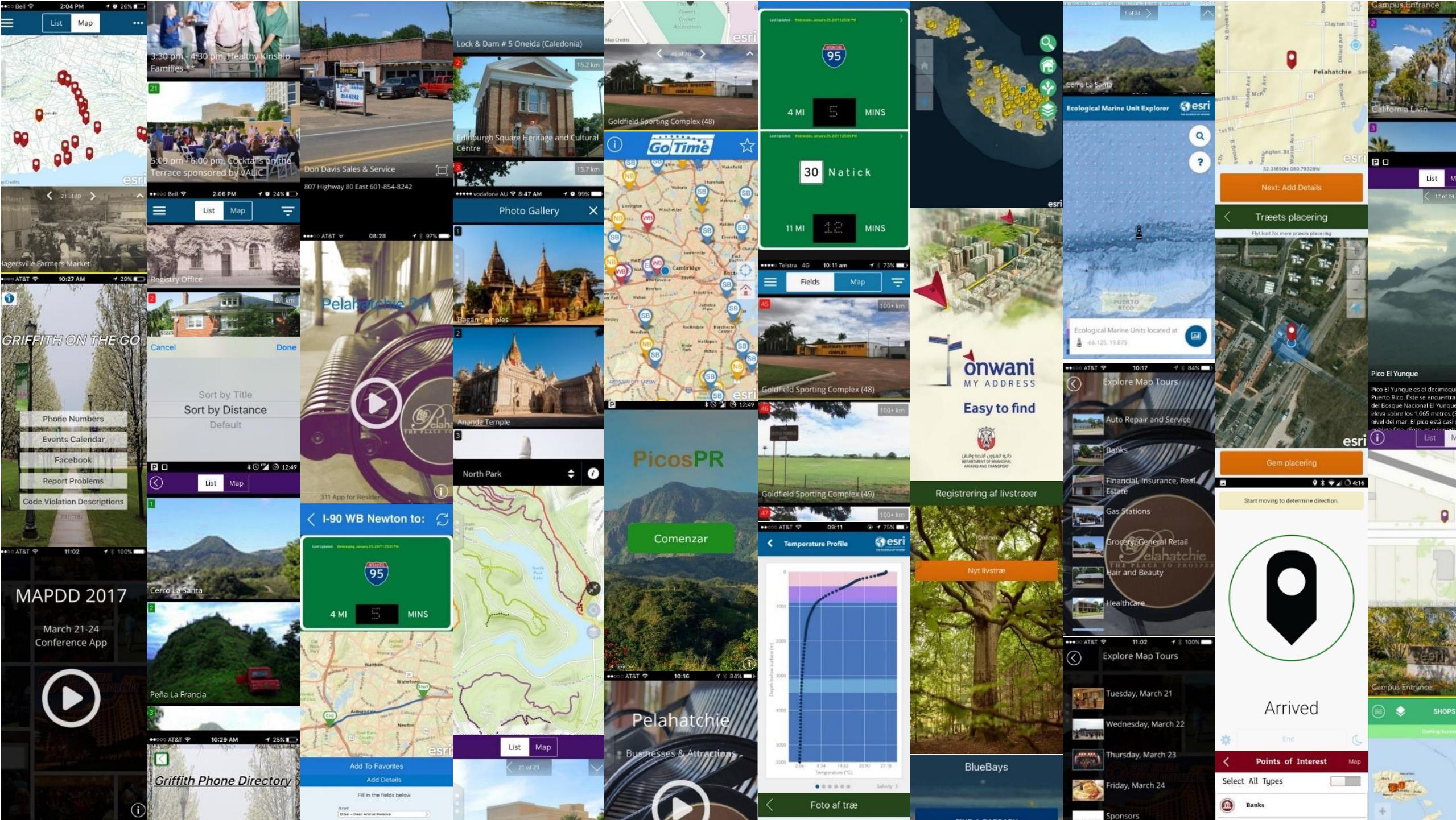
Advantages of AppStudio Development

- \$ Reduced Time and Cost
- grid Flexible App Distribution
- lock ArcGIS Users and App Security
- download Cross-Platform App Updates

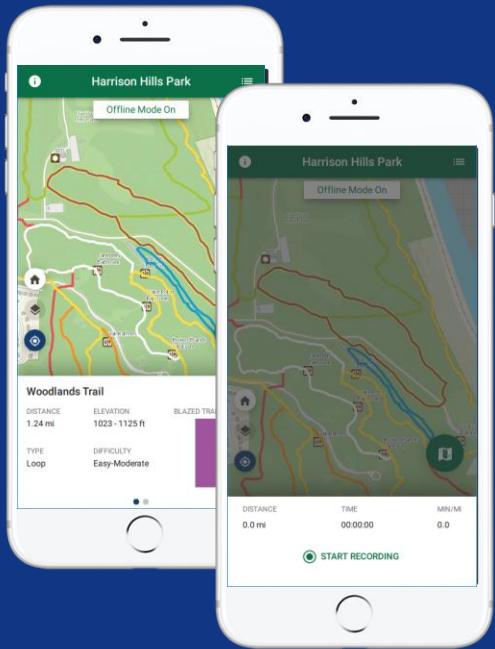








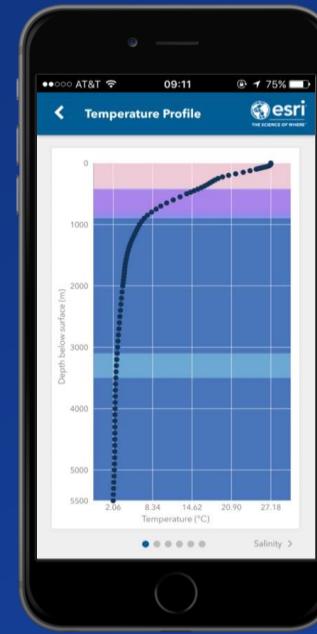
Public Information Apps



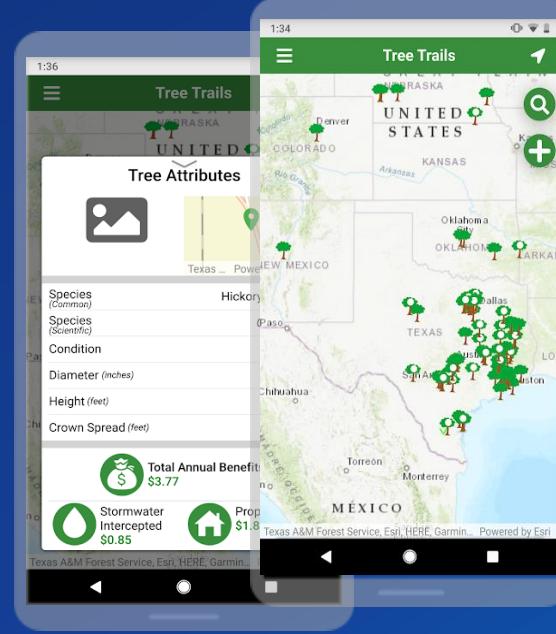
Allegheny County
Parks Trails



Fieldays



Ecological Marine
Unit



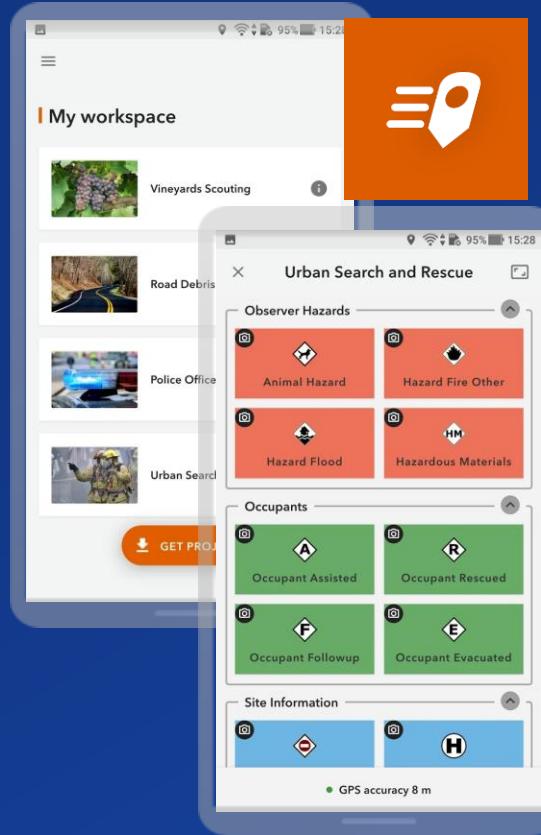
Tree Trails

Data Collection Apps

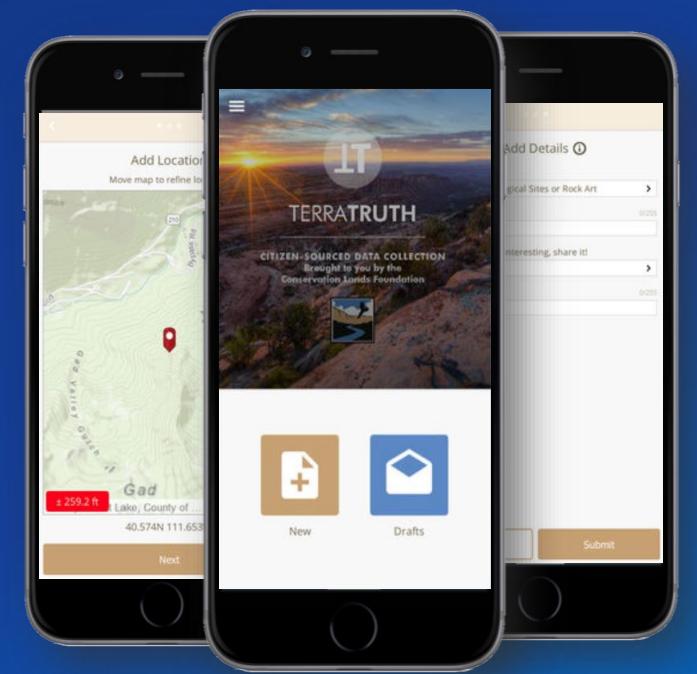


Survey123

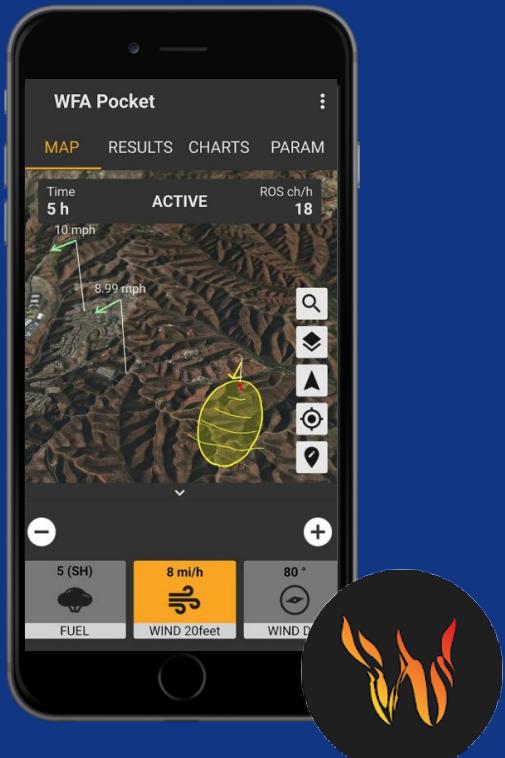
QuickCapture



TERRA TRUTH

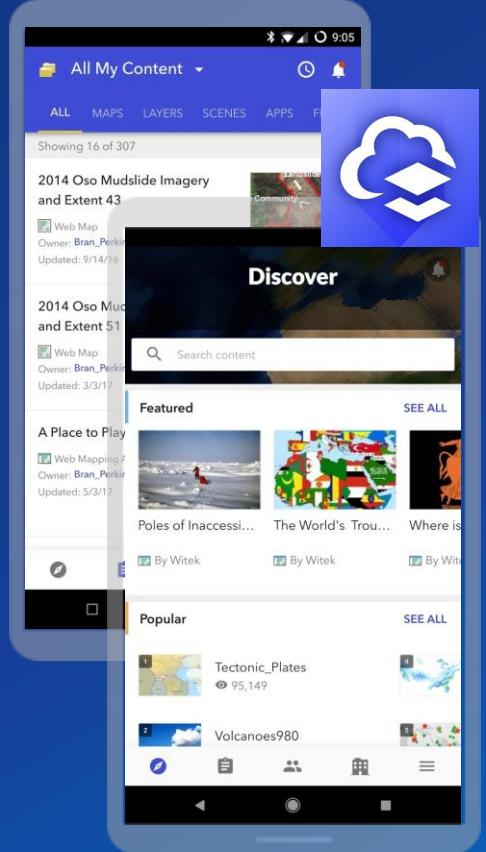
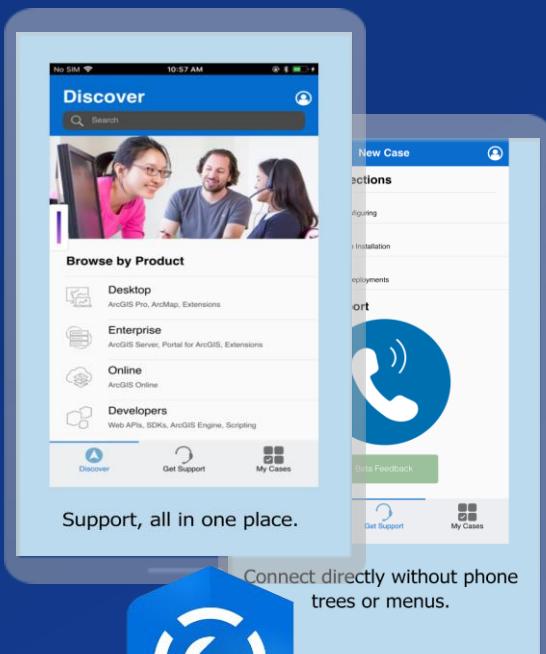


Business Apps



Wildfire Analyst
Pocket

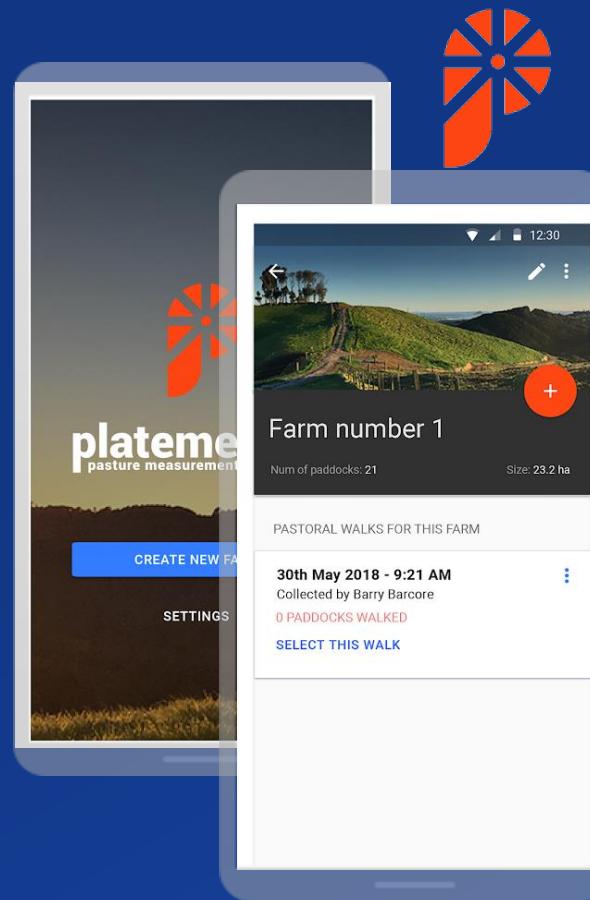
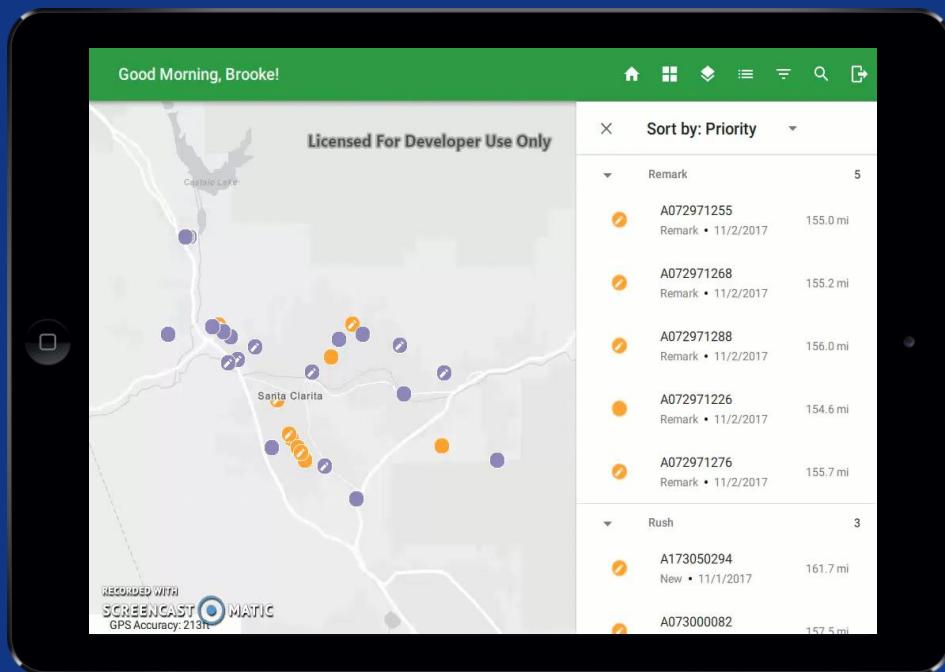
Esri Support



ArcGIS Companion

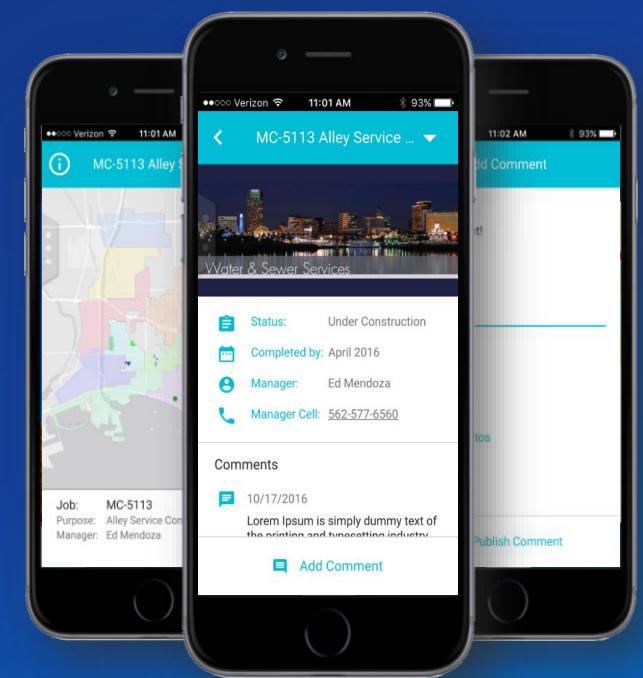
Enterprise Apps

Dig Alert

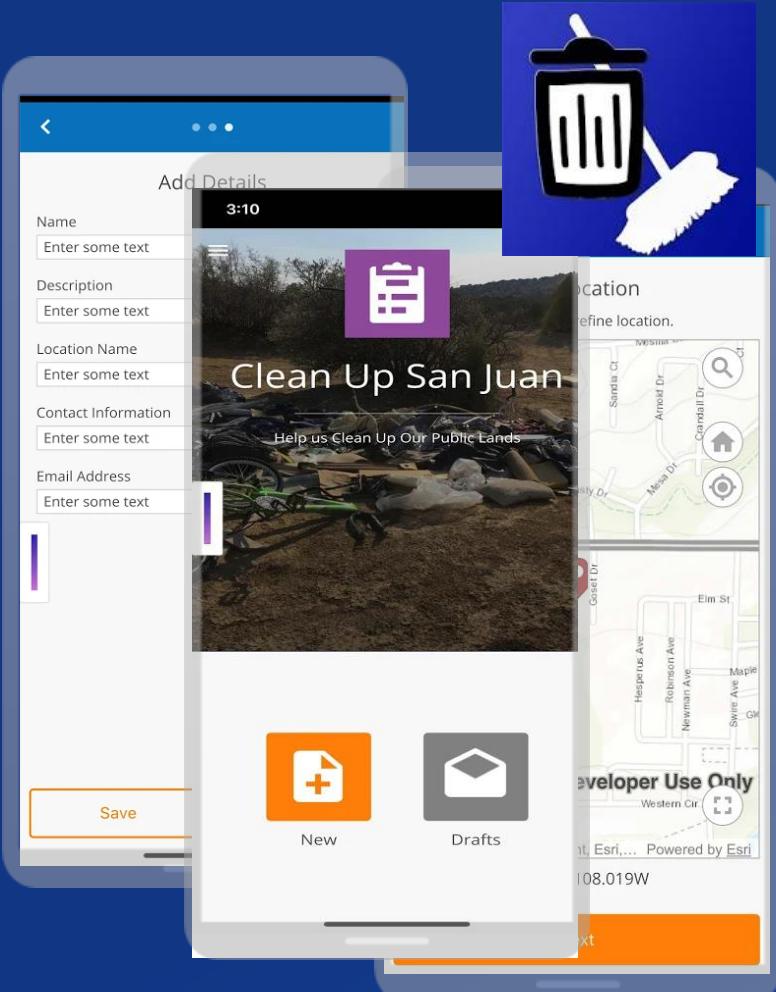


Platemeeters

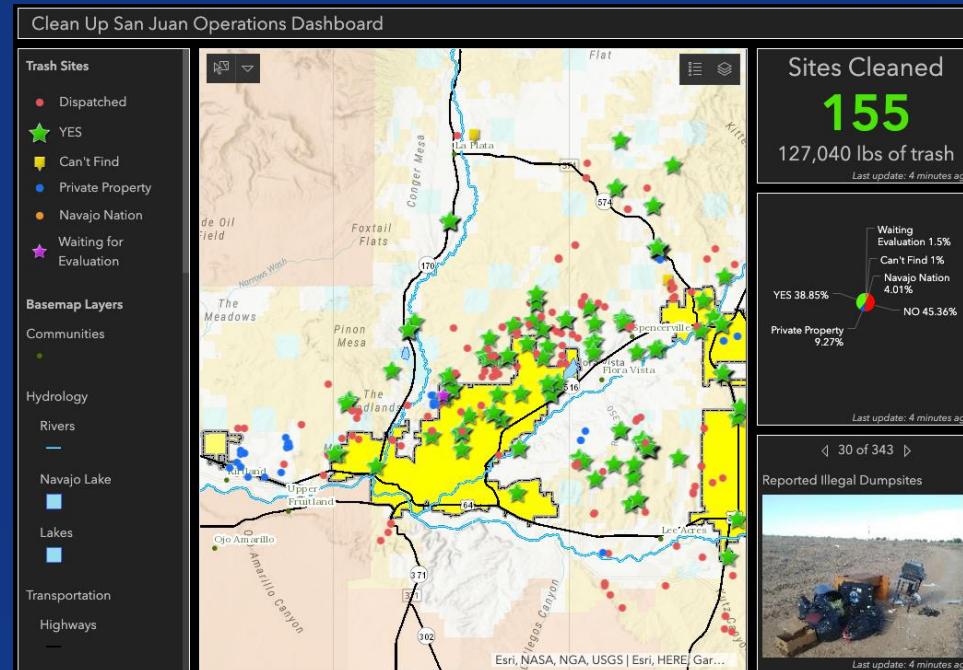
LBW Construction



Success Story



San Juan County, NM



Success Story

PennDOT Guide Rail Management

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

Management System

The collage illustrates the integration of mobile data collection, map-based management, and real-time reporting for guide rail installations across Pennsylvania.



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

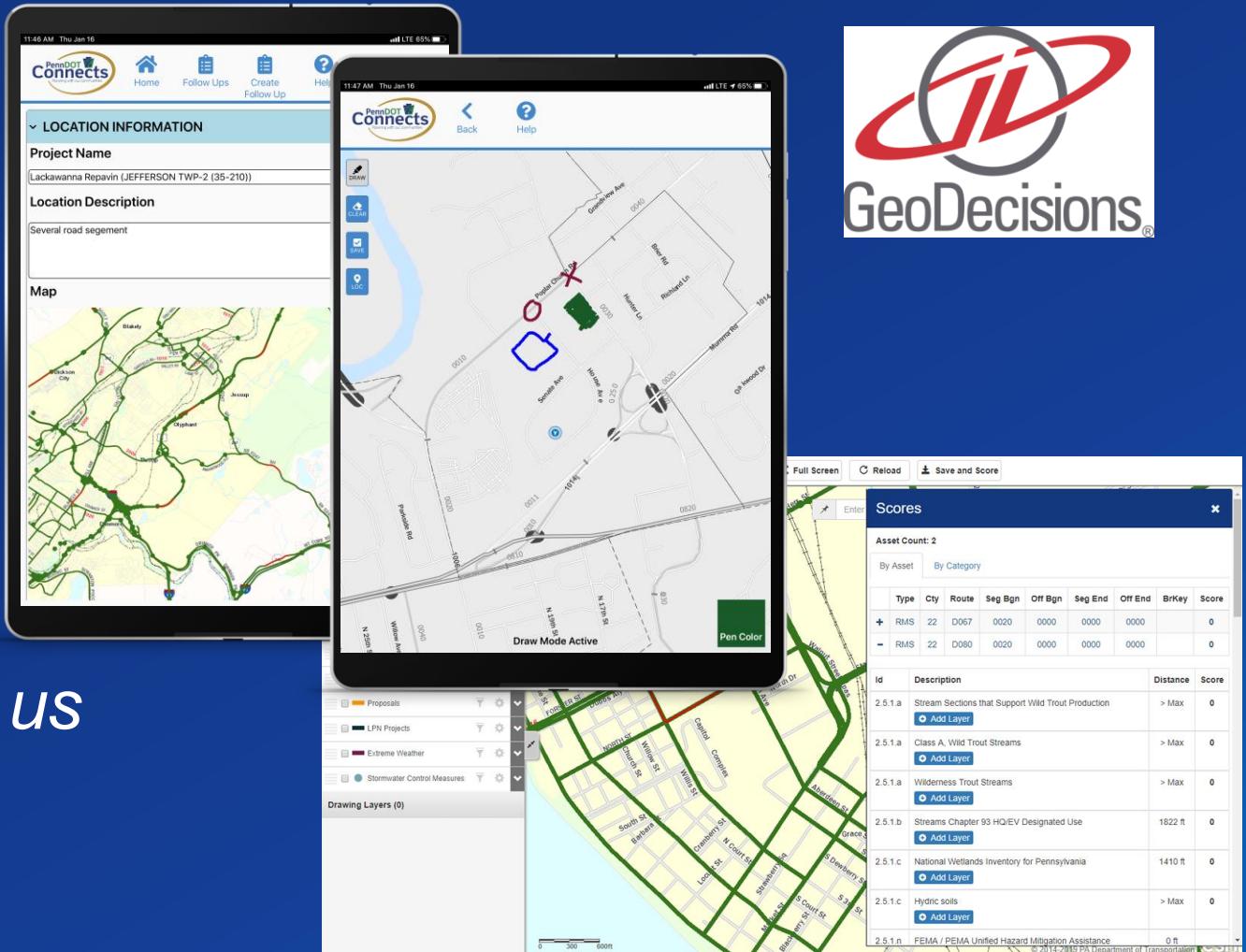
Success Story

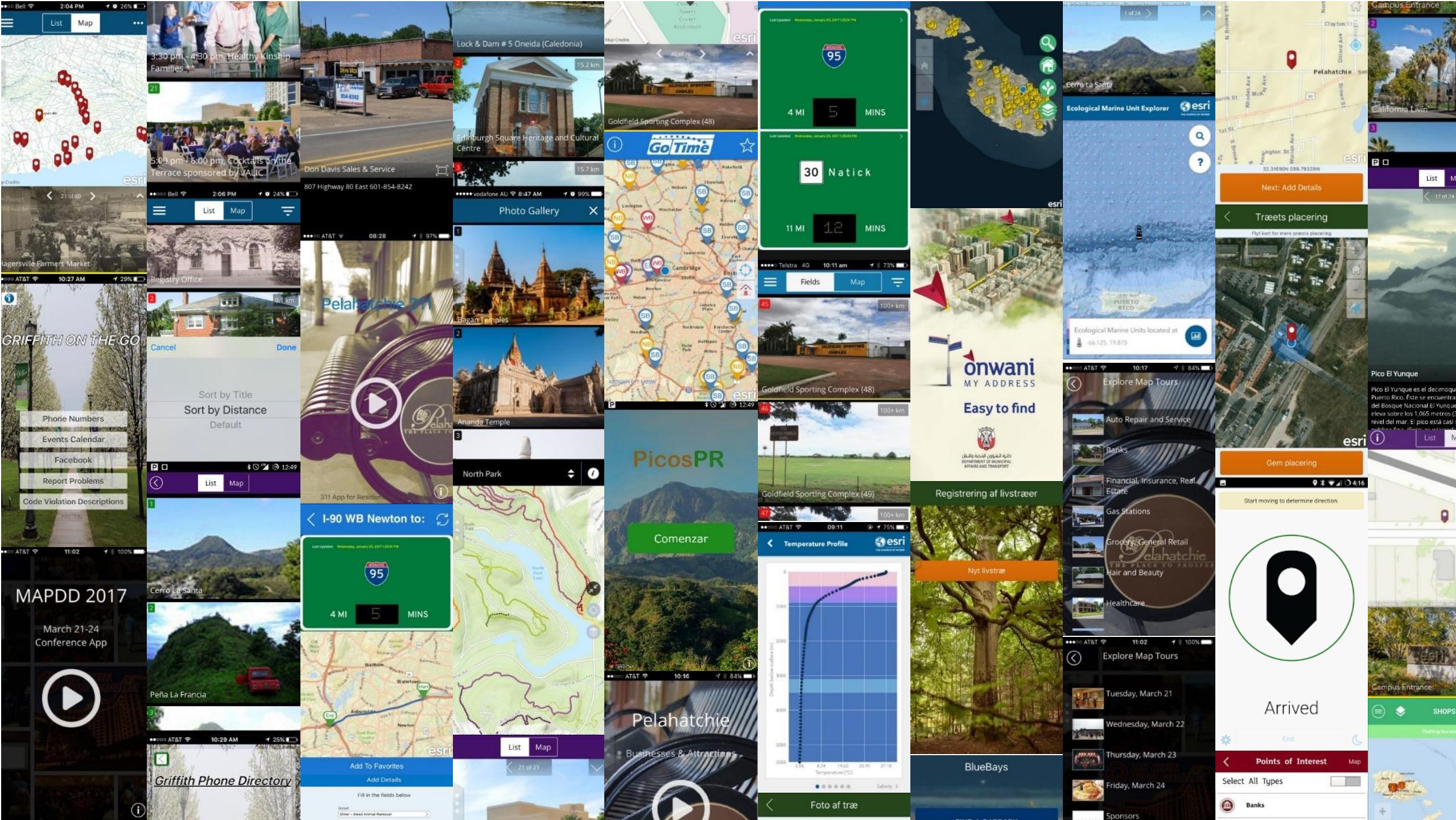
Custom AppStudio app for
PennDOT Connects work order
system

Offline
Cross-Platform

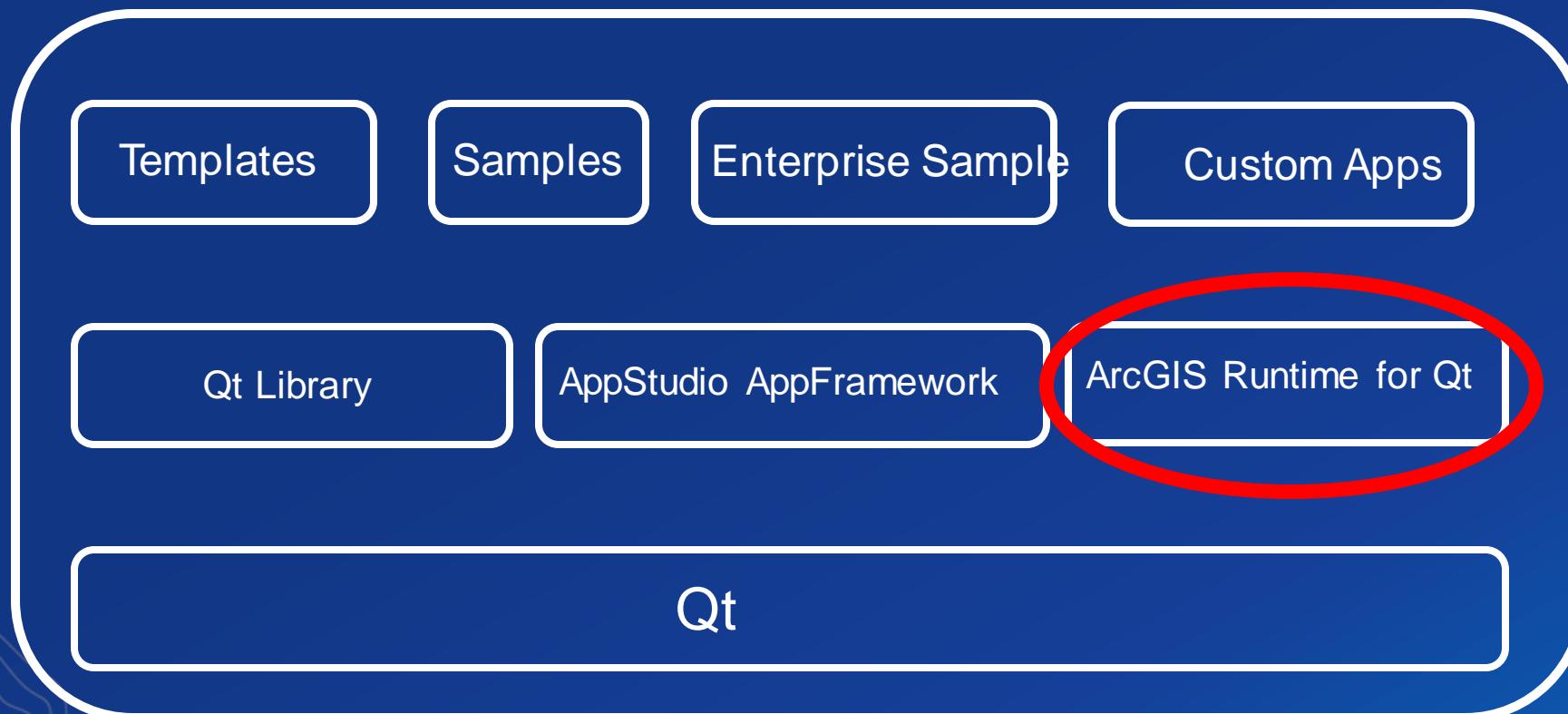
**“Building it in AppStudio allowed us
to provide offline mapping
capabilities with cross-platform
support”**

PennDOT Connects Mobile

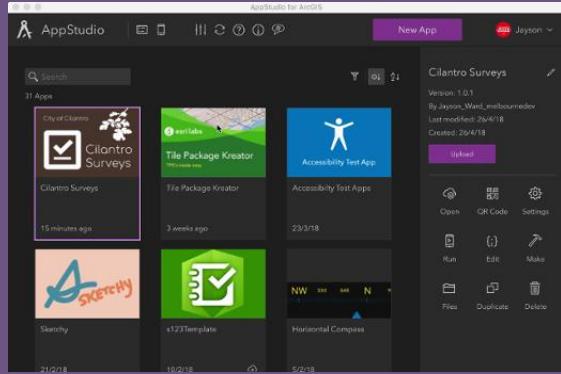




AppStudio Architecture



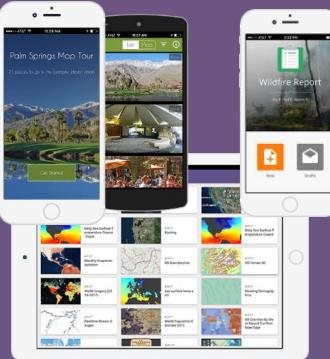
The AppStudio suite of productivity tools



AppStudio
Desktop



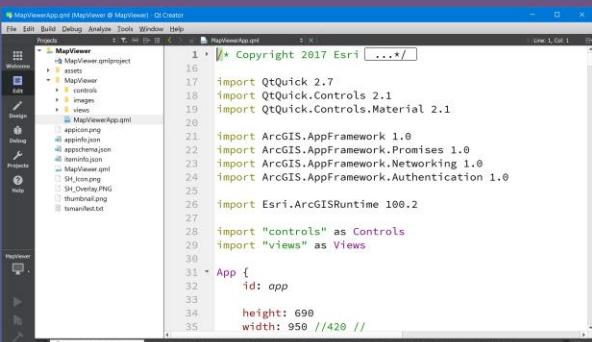
70+
Interactive
Samples



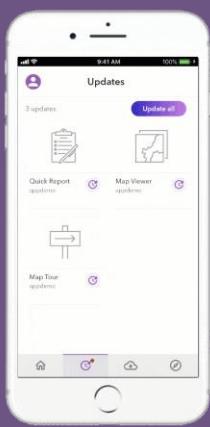
Configurable
Templates



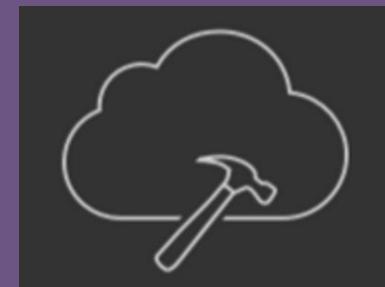
Advanced
Templates



Developer
Environment



AppStudio Player



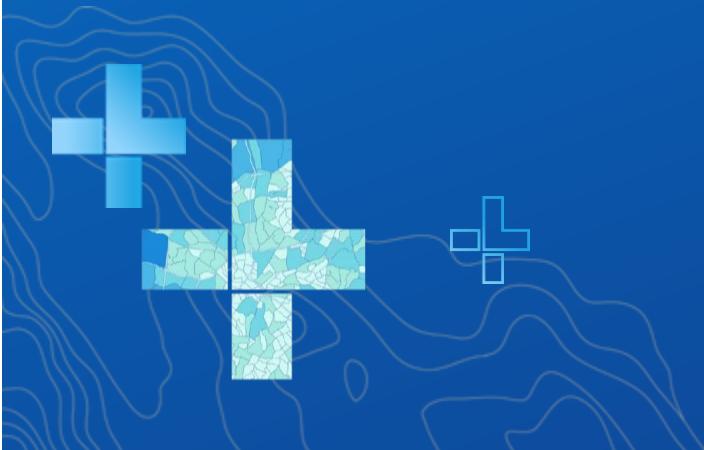
Cloud Make

Who is using AppStudio

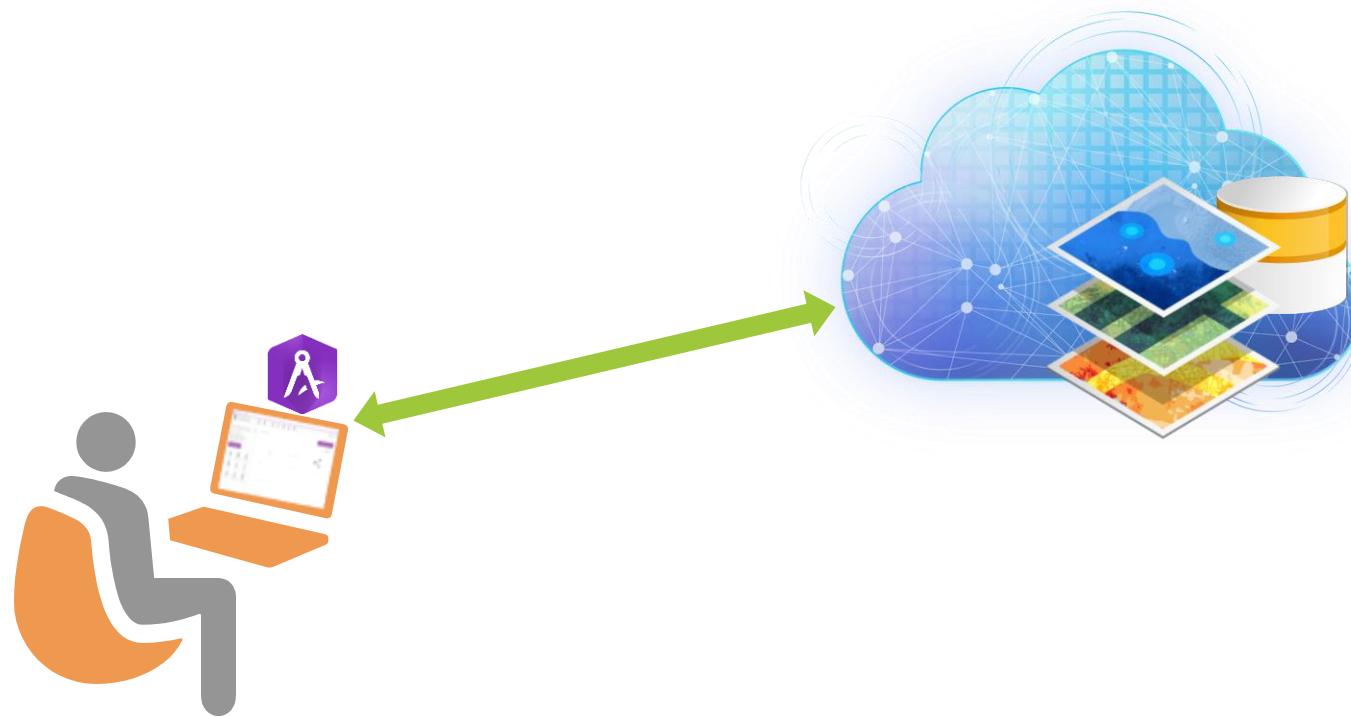


Deploying AppStudio Apps

Chris LeSueur



Player – Developer Tool



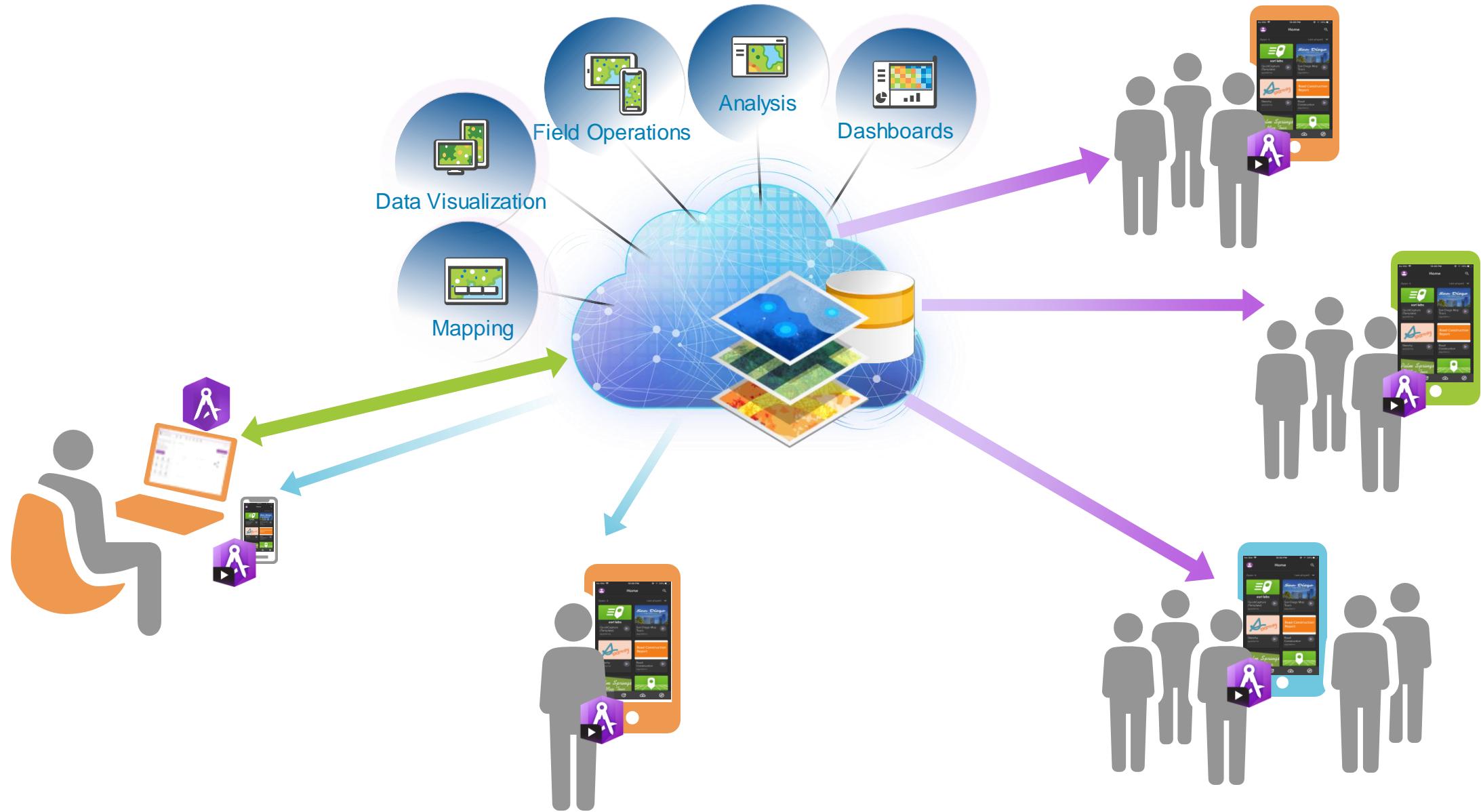
Player – Developer Tool



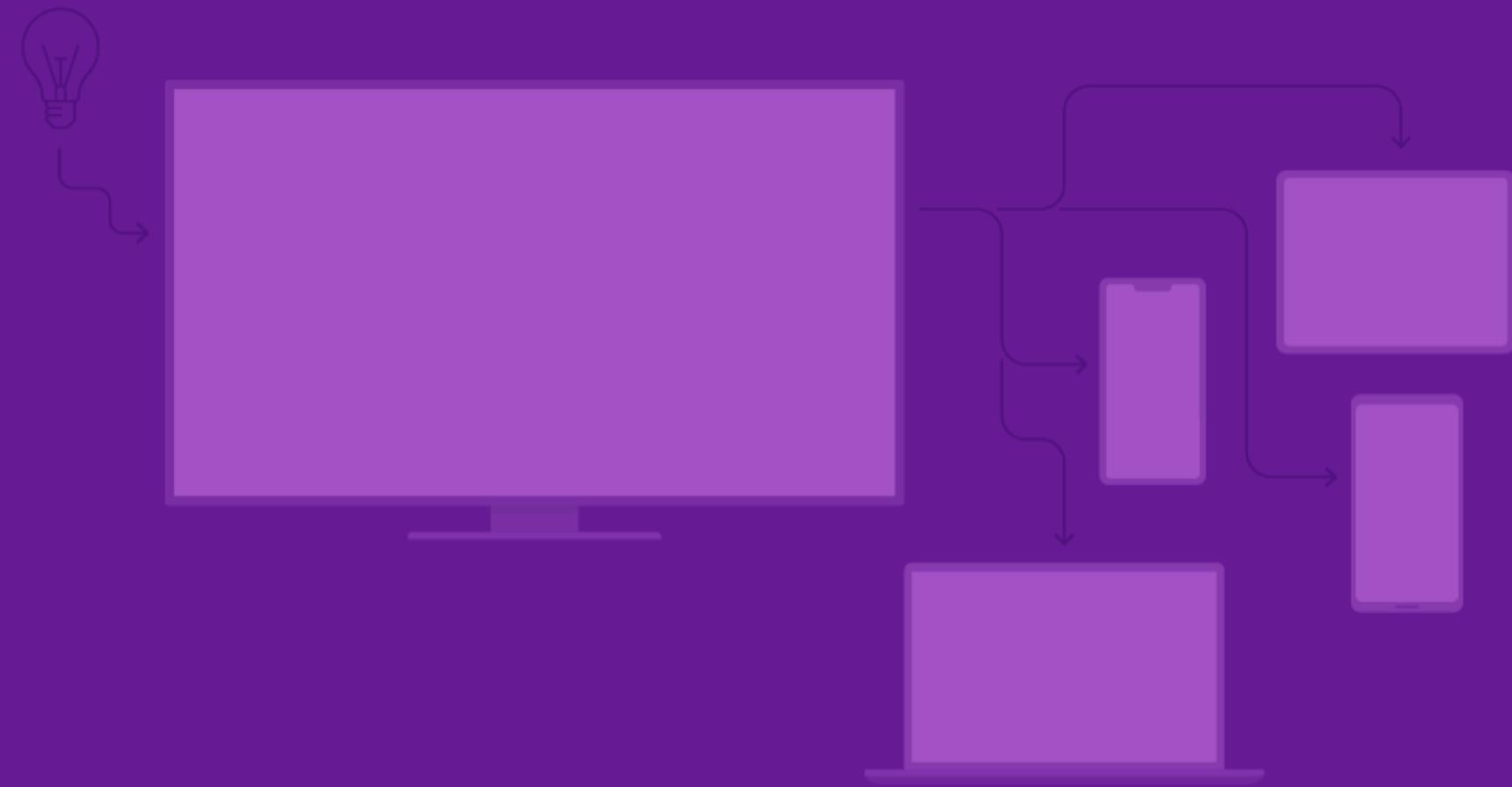
Player – Developer Tool



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

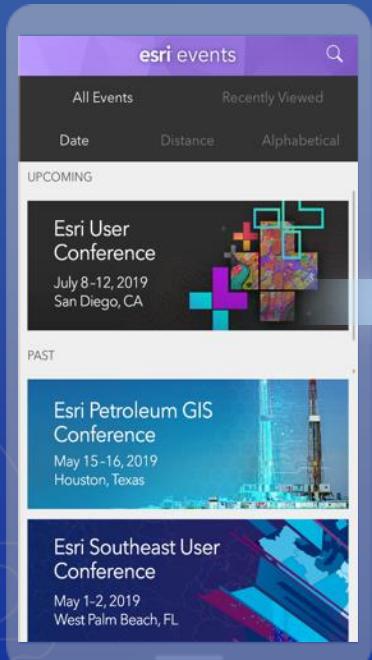
Wednesday

10:45 am – 5:15 pm
Expo
Hall B

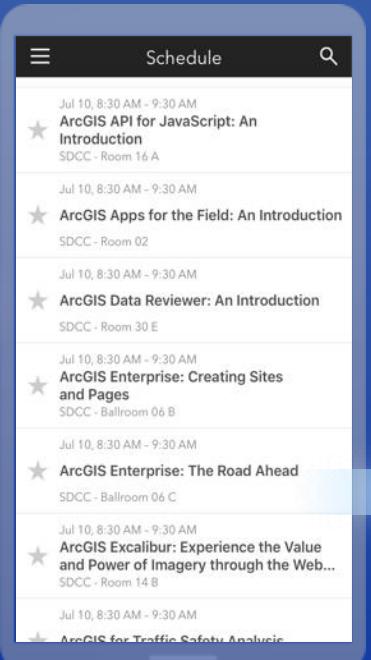
6:30 pm – 9:30 pm
Networking Reception
Smithsonian National Museum
of Natural History

Please Share Your Feedback in the App

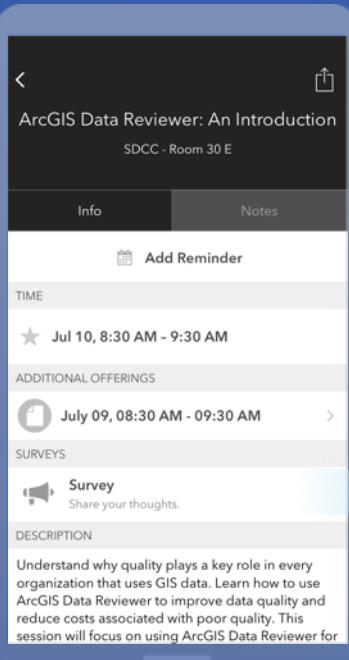
Download the Esri Events app and find your event



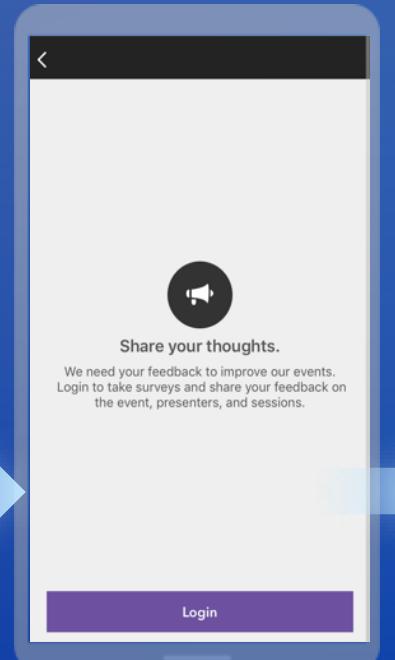
Select the session you attended



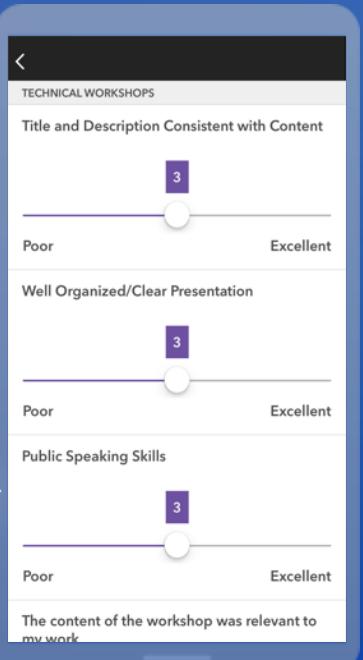
Scroll down to "Survey"



Log in to access the survey



Complete the survey and select "Submit"



Section Header

Section Subhead

