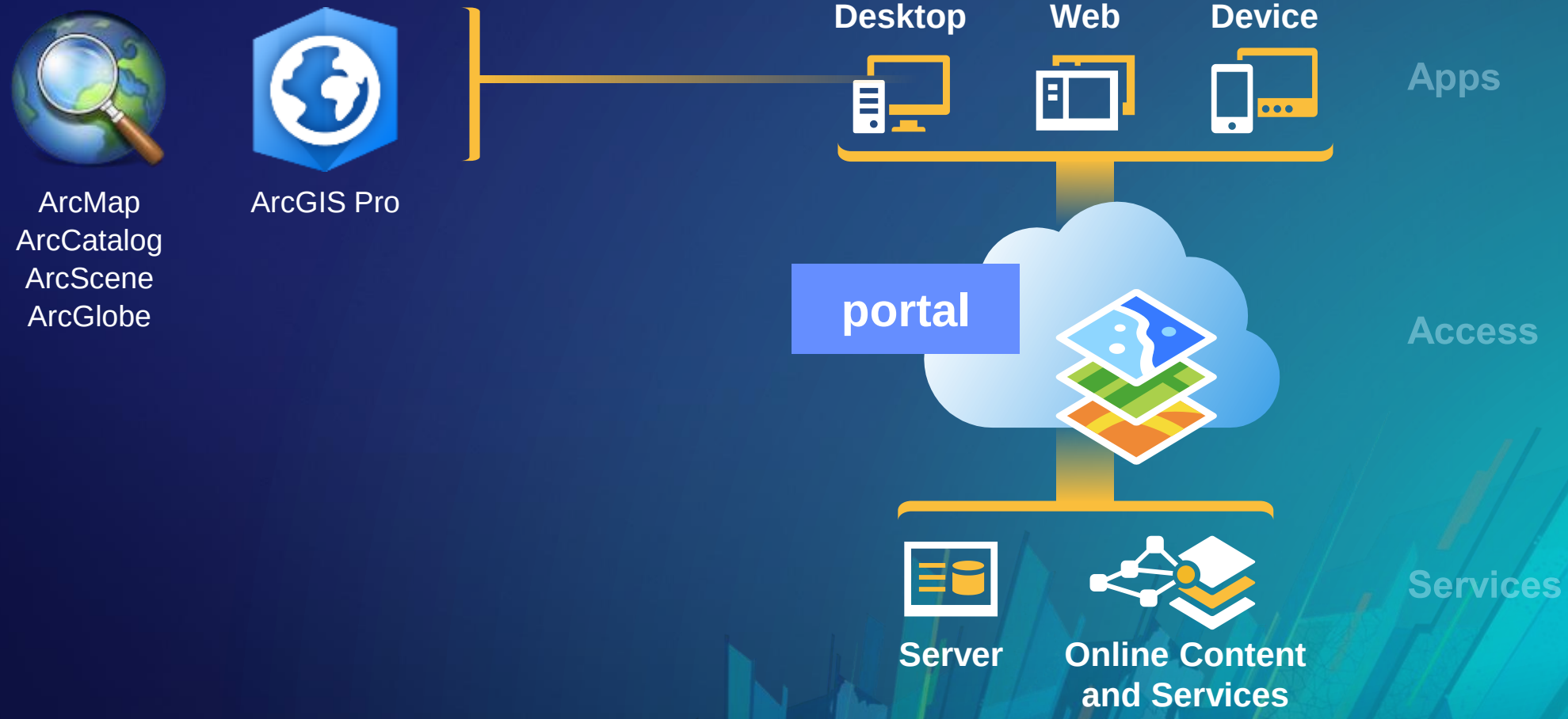
ArcGIS Pro: An Introduction

Mike Flanagan and Robert LeClair

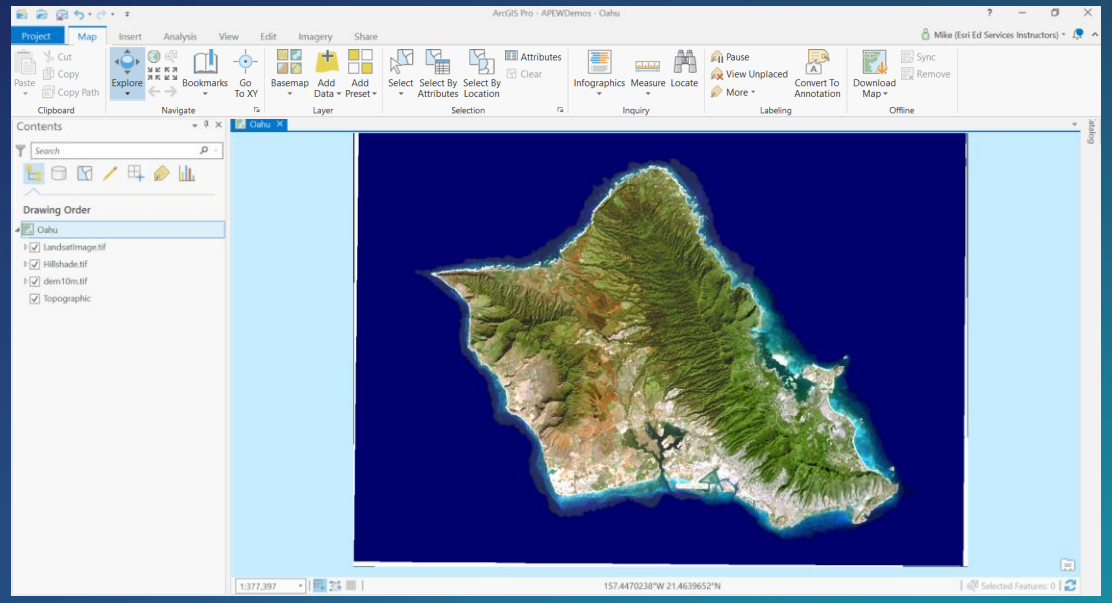
ESRI USER CONFERENCE

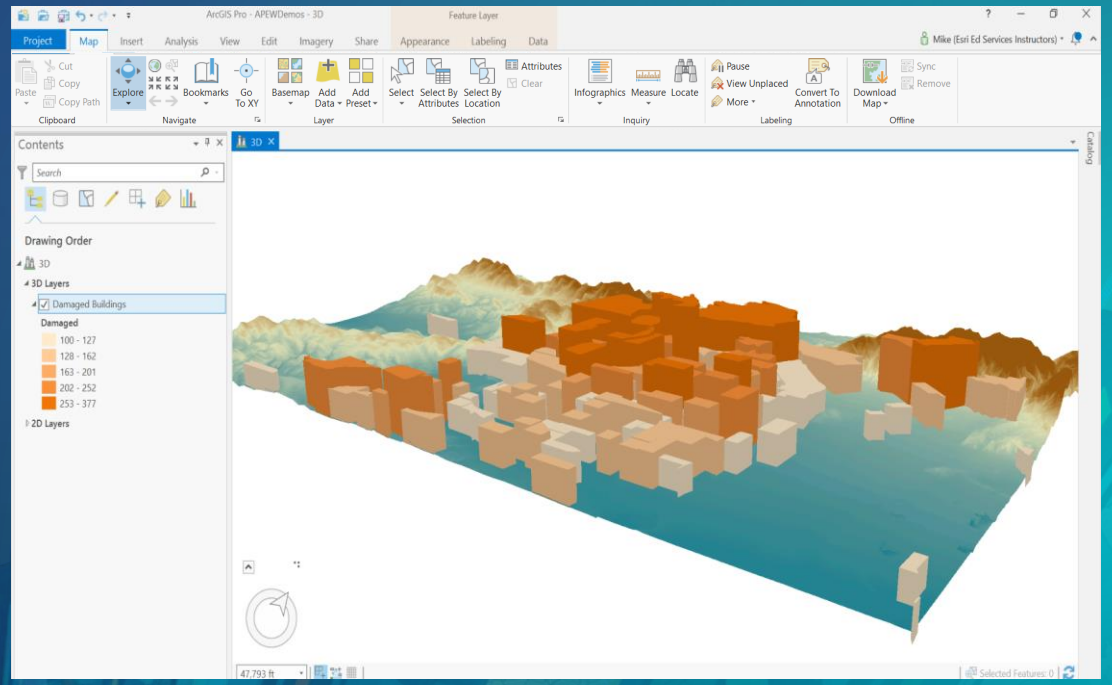
ArcGIS Desktop



ArcGIS Pro

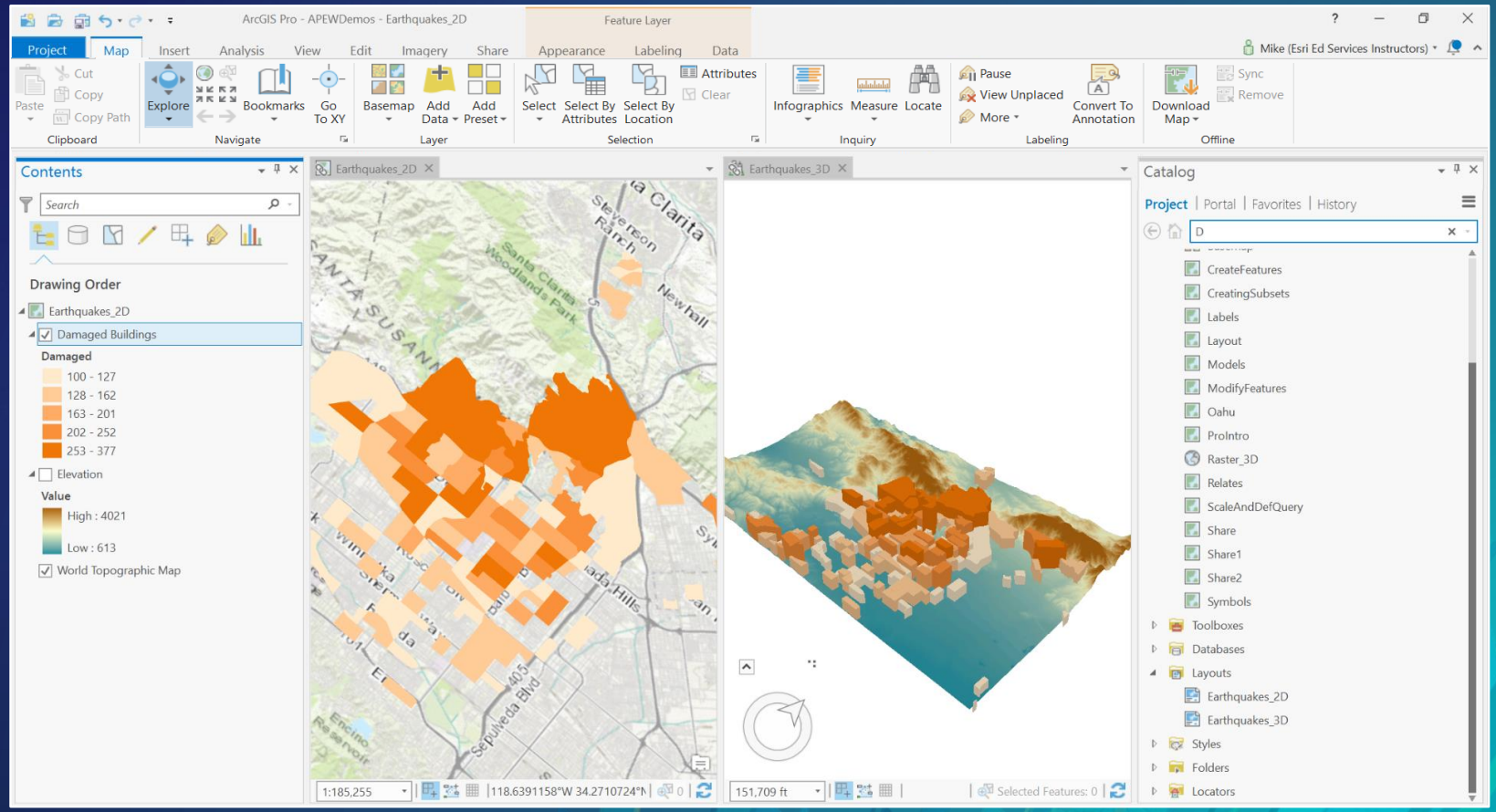
- 64 Bit, multi-threaded
- Simplified user interface
- Integrated with an ArcGIS portal
- Combined 2D/3D experience
- Multiple maps and layouts
- All the analysis environments
- Simple search and query





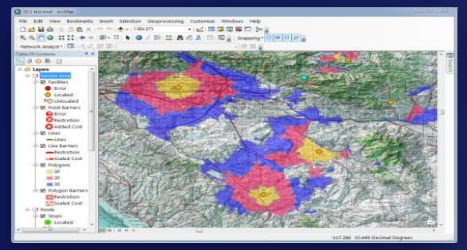
The user interface is new

- Contextual
- Intuitive
- Project-based
- Uses views
- Integrated

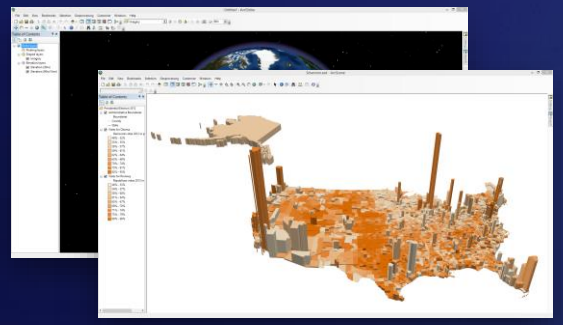


Fusion of applications

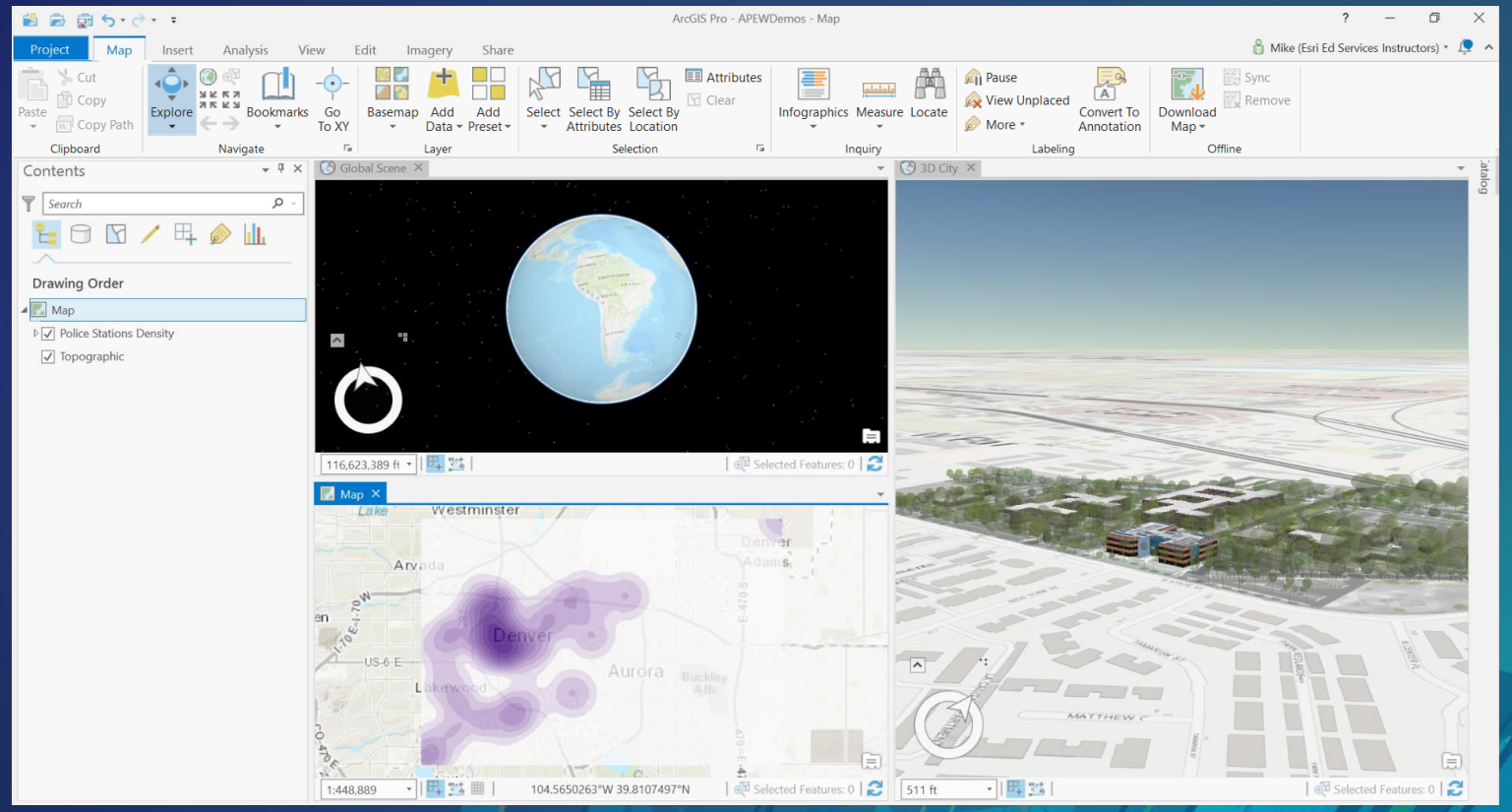
ArcMap / ArcCatalog



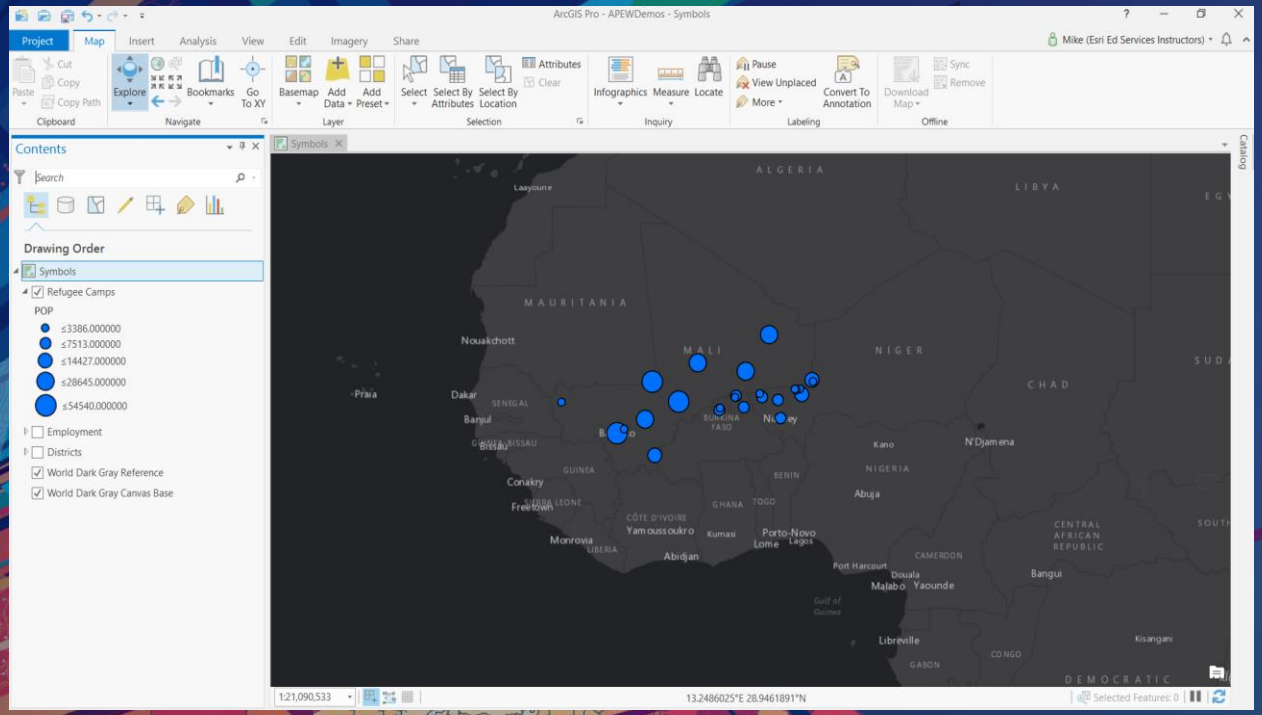
ArcGlobe / ArcScene



CityEngine



ArcGIS Pro

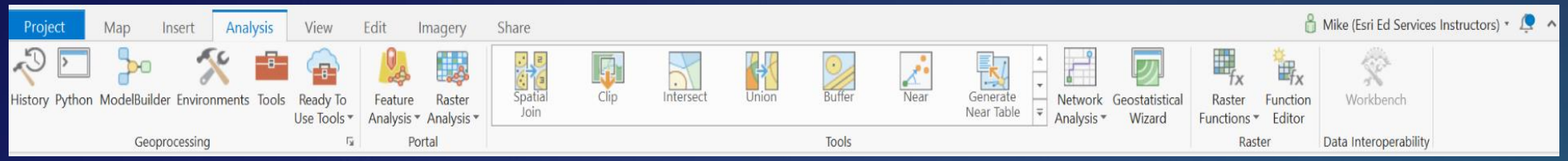


ArcGIS Pro Overview

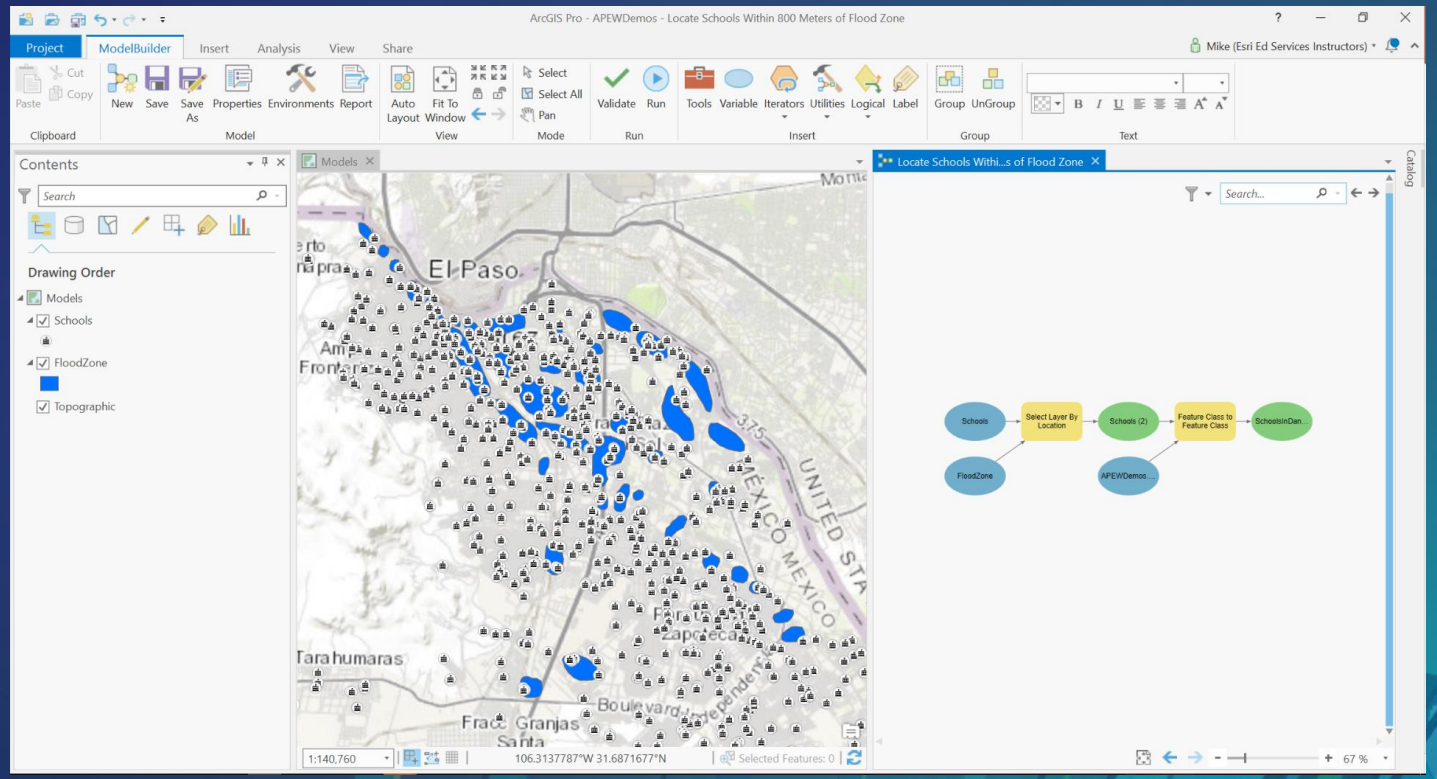
Robert LeClair

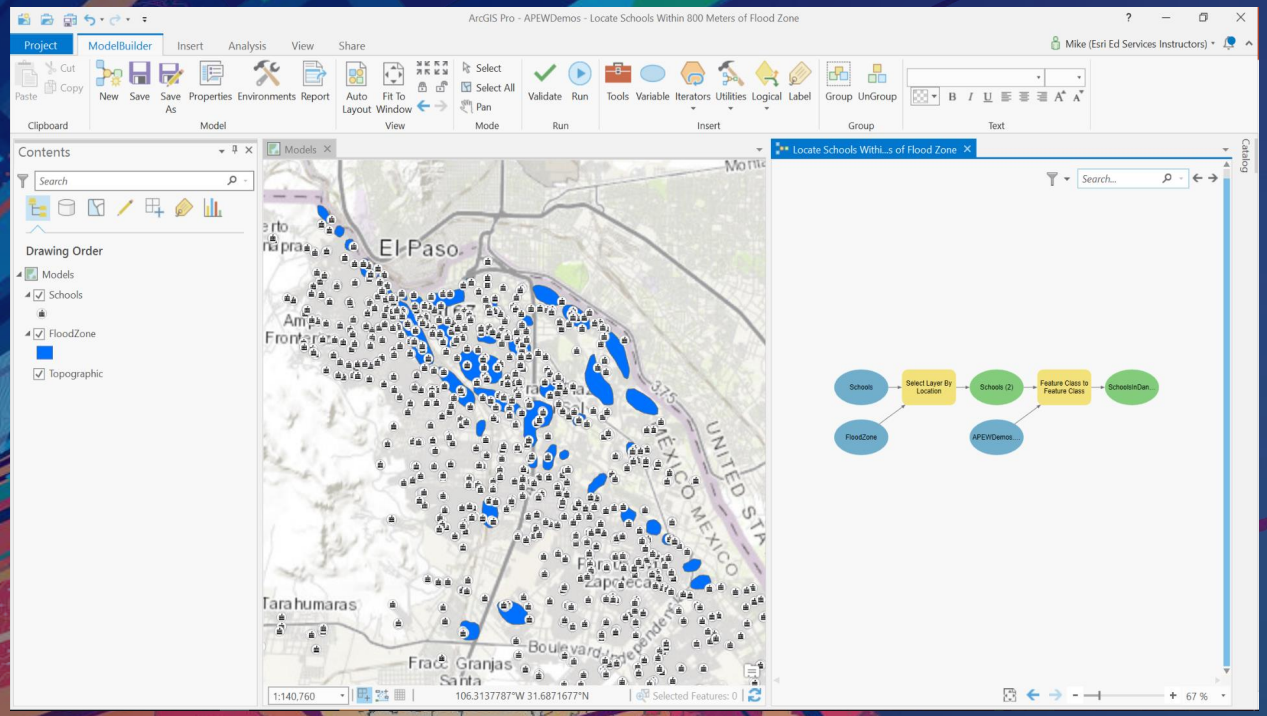
What can I do with ArcGIS Pro?

Analysis



- Analysis ribbon
- Majority of tools from ArcMap
- Geoprocessing pane
- ModelBuilder
- ArcPy
- Network Analysis
- Geostatistical Wizard
- Image and Raster Analysis



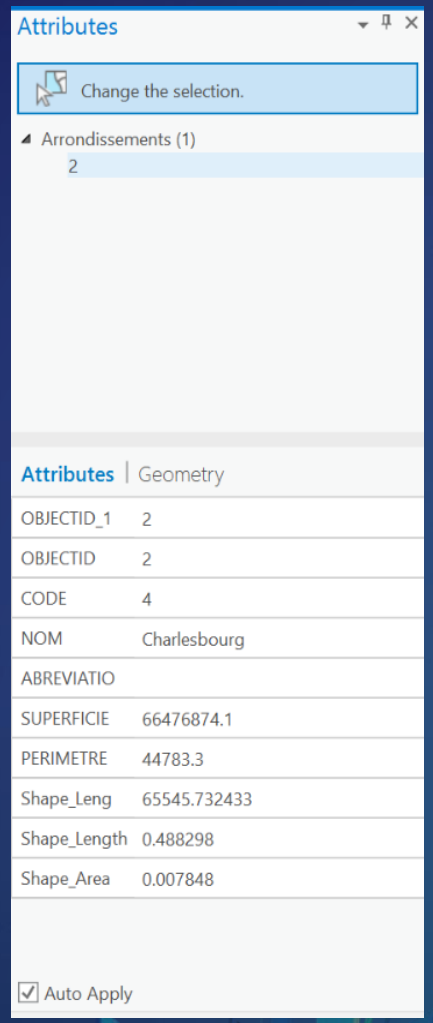


Analysis in ArcGIS Pro

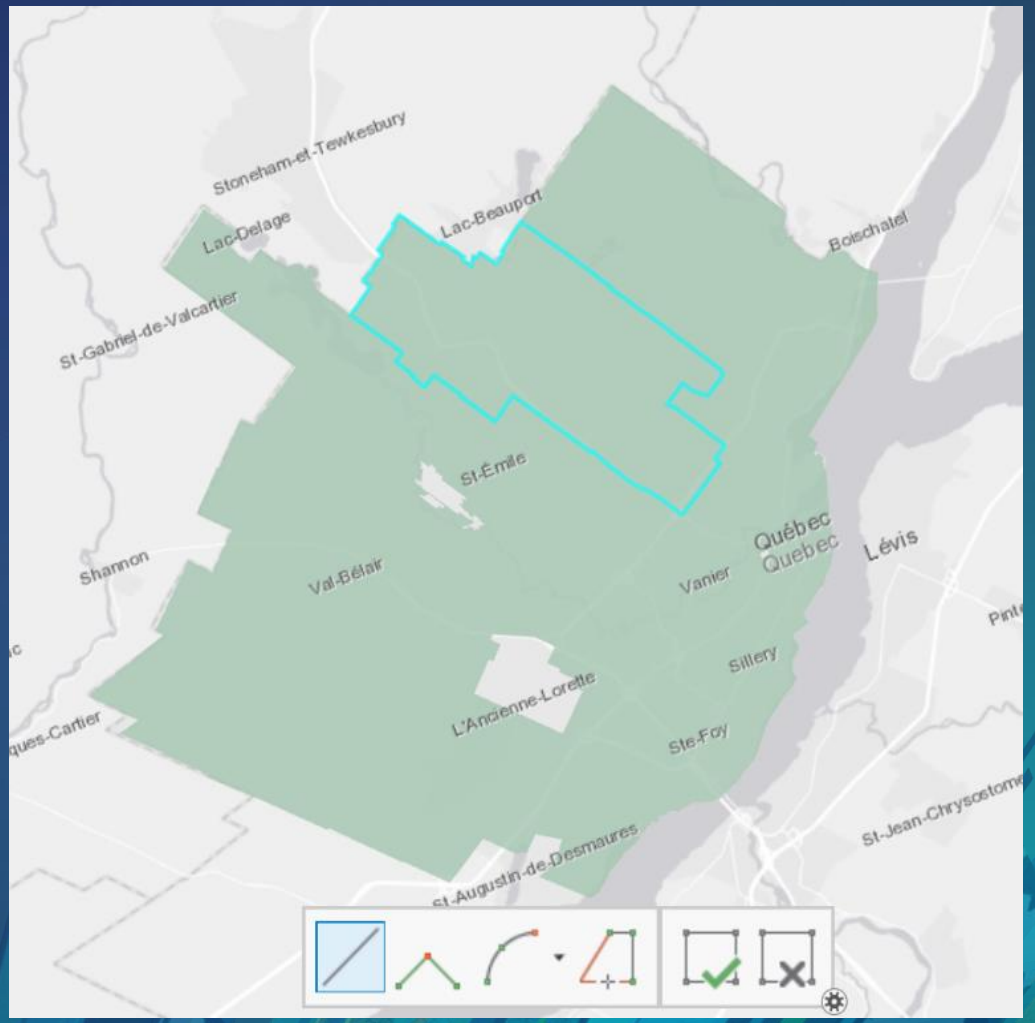
Robert LeClair

Editing

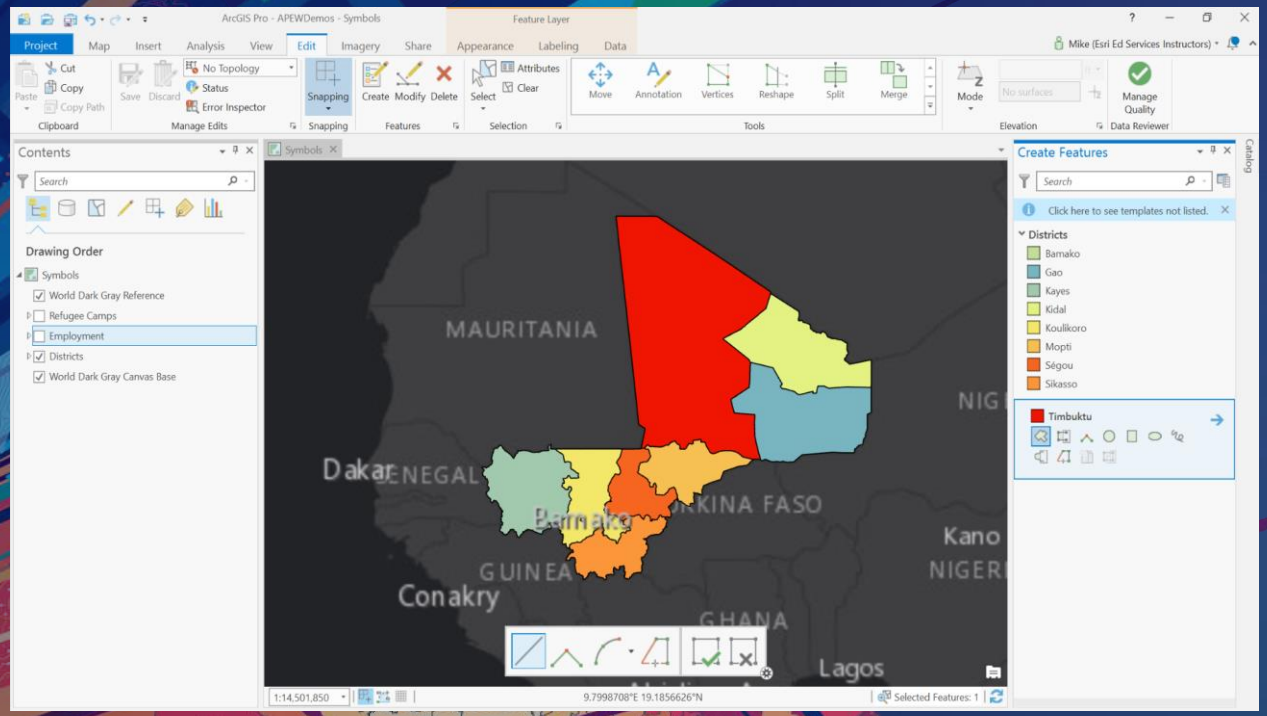
- 2D and 3D editing
- Simplified edit sessions
- Edit enterprise GDBs
- Group templates
- GDB & Map topology
- CAD- like editing experience



Update Attributes



Create & Maintain

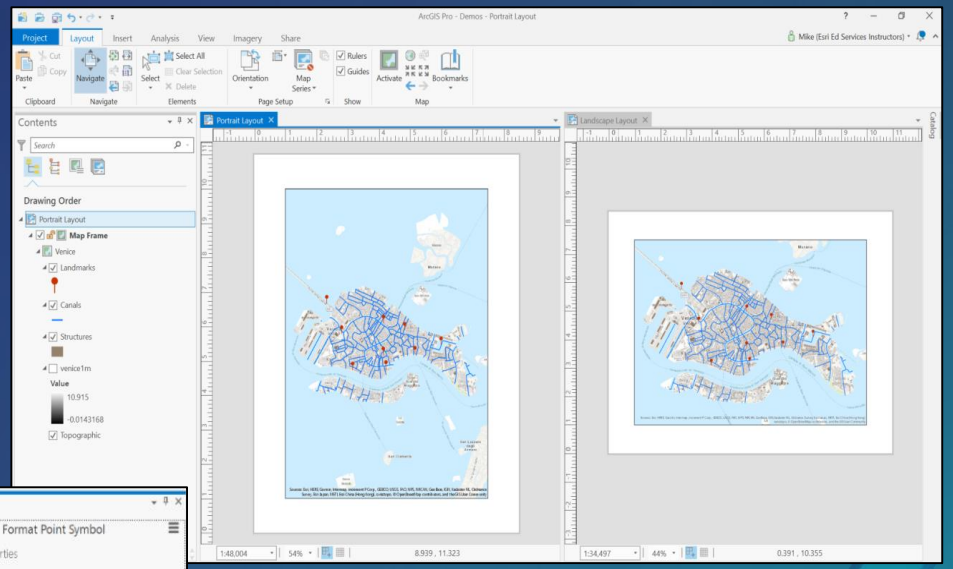


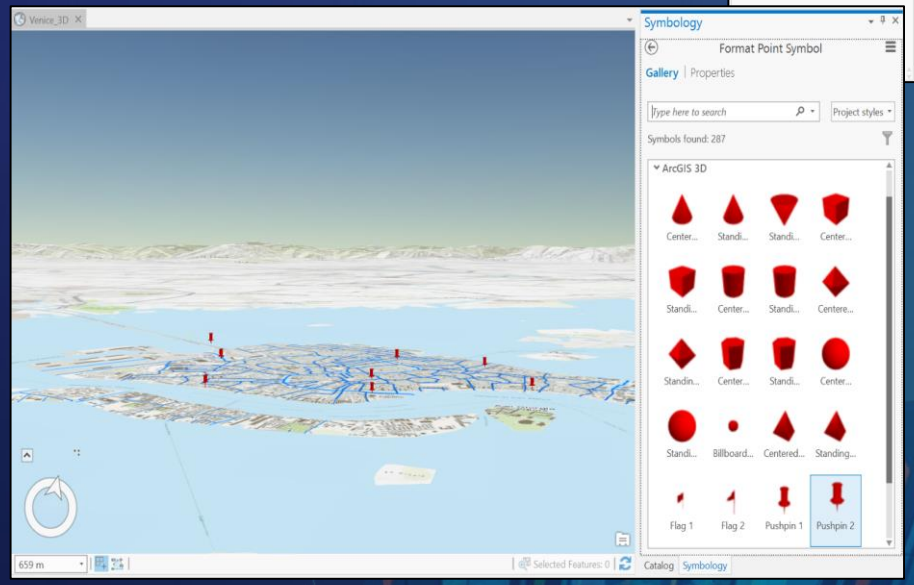
Editing in ArcGIS Pro

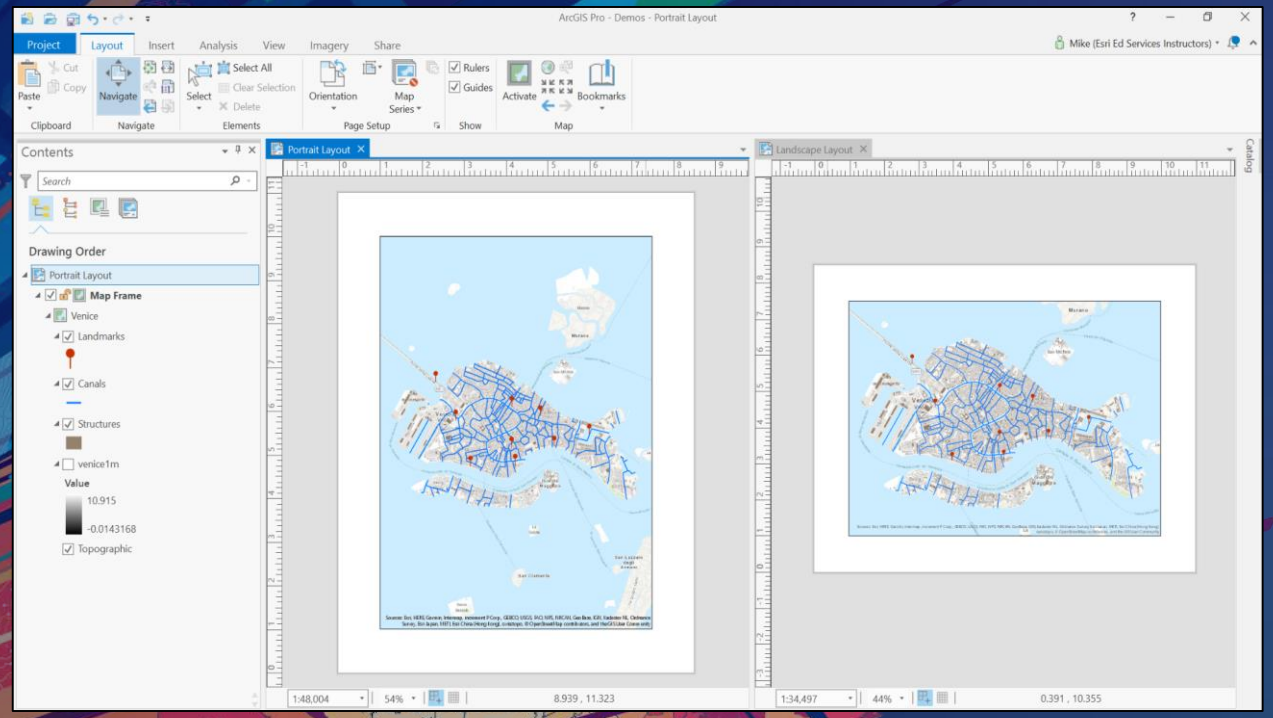
Robert LeClair

Mapping & Visualization

- Improved drawing performance and quality
- Multiple layouts
- Unified symbol model
- Transparency
- 3D cartography
- Map series
- Animation





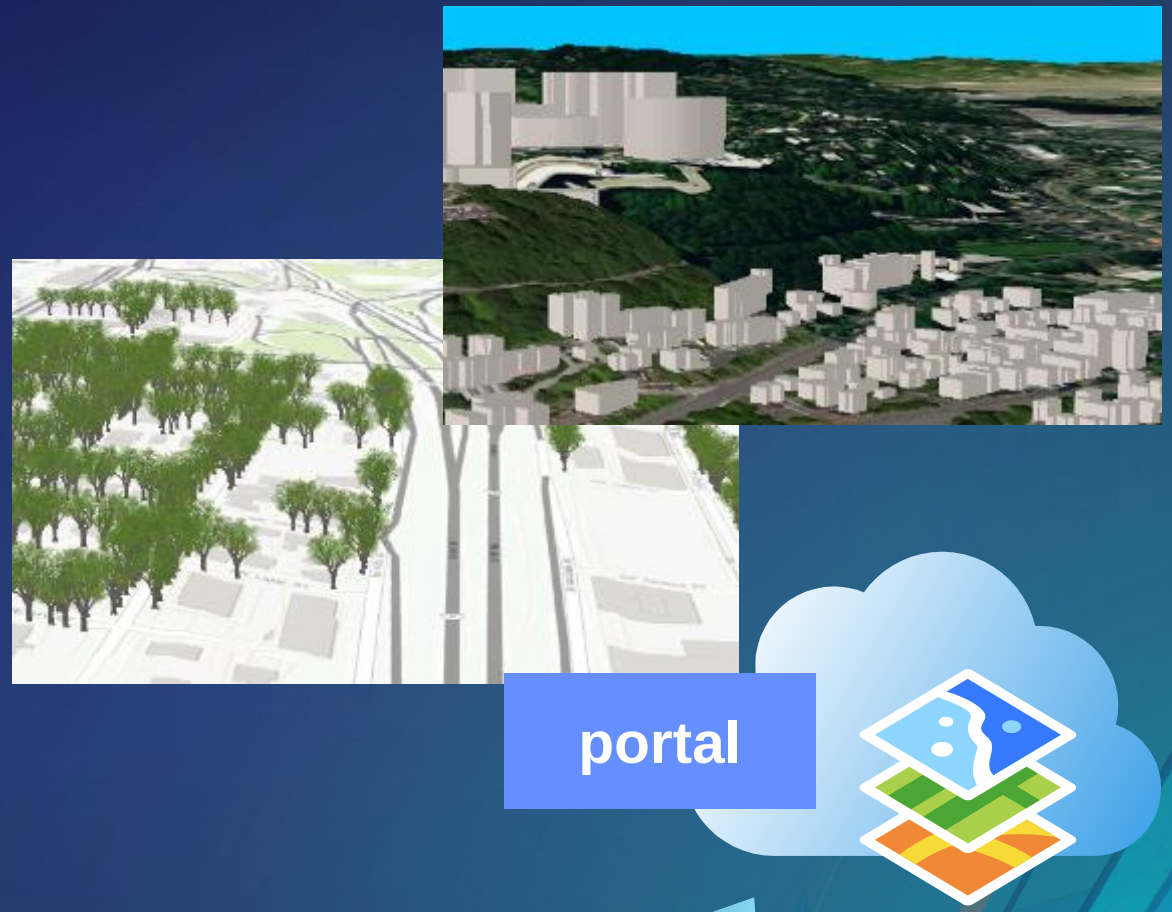


Mapping in ArcGIS Pro

Robert LeClair

Sharing

- Web maps and 3D web scenes
- Packages
- Map & layout files
- Task files (.esriTask)
- Symbology (.stylx)
  - Download new/updated styles from ArcGIS Online



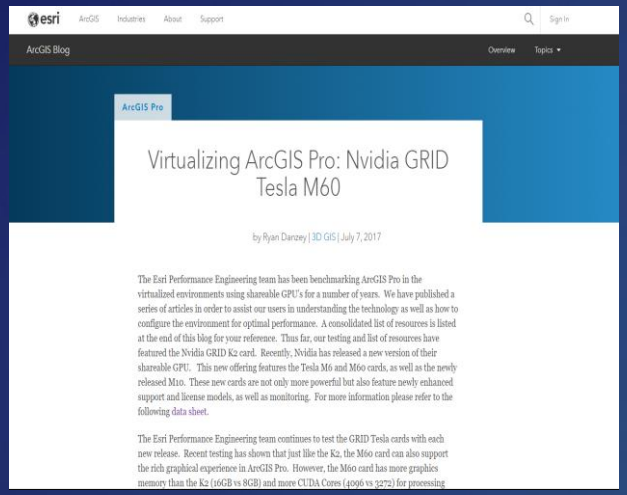
Common Questions

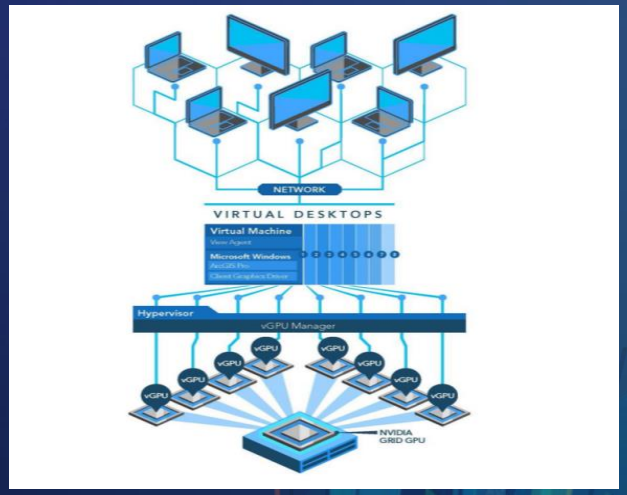
Can I publish services to ArcGIS Server?

Can ArcGIS Pro be virtualized?

On-premise Virtualization

- **Virtualization Platform**
  - VMWare
    - ESXi
    - Horizon View
  - Citrix
    - XenServer
    - XenDesktop





Cloud-based Virtualization

Microsoft Azure
NV-Series VM
- Nvidia GPU
- 56 Gb Memory
- 380 Gb storage
- Demo’d at Microsoft Ignite

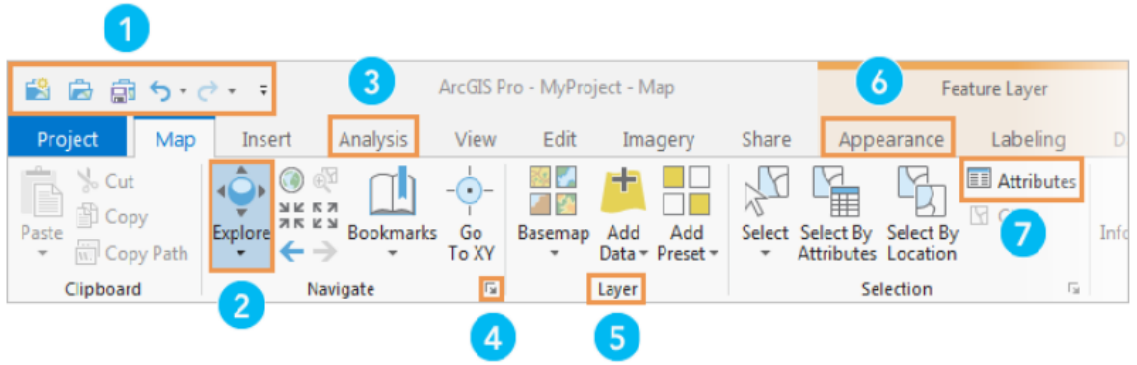
AWS
GPU Workspace
- Nvidia GPU
- 8 vCPUs
- 15 Gb Memory
- 200 Gb storage

- Available Now
- Tested by Esri Performance Engineering – Great UX

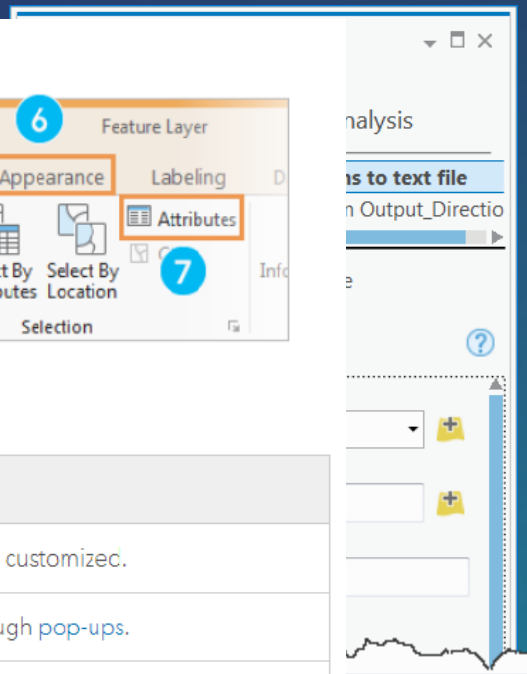
Can I customize ArcGIS Pro?

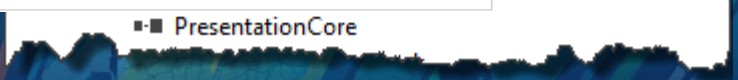
ArcGIS Pro

- Use
- Configure
- Automate
- Extend



Element	Description
1	The **Quick Access Toolbar** has commonly used commands. It can be customized.
2	The **Explore** tool is used to navigate maps and identify features through pop-ups.
3	Ribbon tabs, such as the **Analysis** tab, organize functionality. When a tab is selected, its associated tools display on the ribbon.
4	Dialog box launchers open panes or dialog boxes with more functionality.
5	Groups organize functionality on a tab.
6	Contextual tabs appear under specific conditions. Contextual tabs are highlighted in orange or green.
7	Buttons and tools execute software actions.



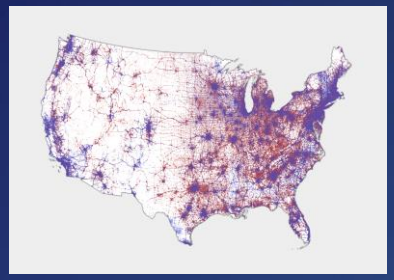


Is ArcGIS Pro a replacement for ArcMap?

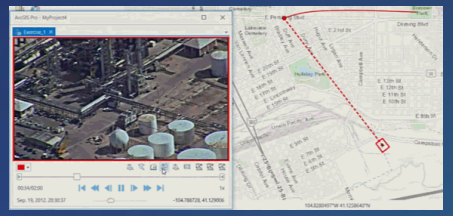
What’s new at 2.2?

ArcGIS Pro 2.2

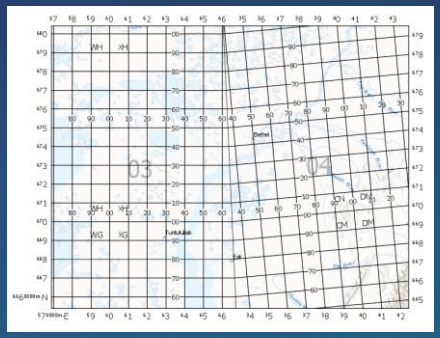
- Edit 3D Scene Layers
- Go To XY tool
- Select Visible Features
- Pause Drawing
- Map Tips
- Outline 3D Objects
- Annotate Selected Features
- Vary Symbology by Attribute
- Vector Tile Pop-ups



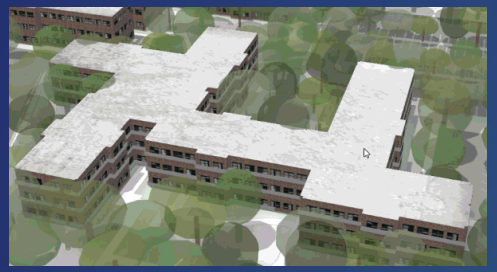
Dot Density



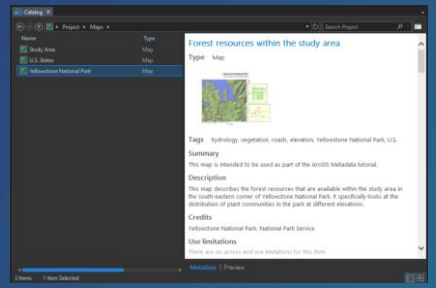
Full Motion Video



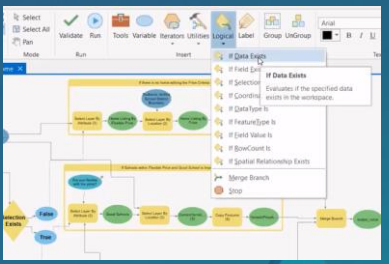
UTM Zone Clipping



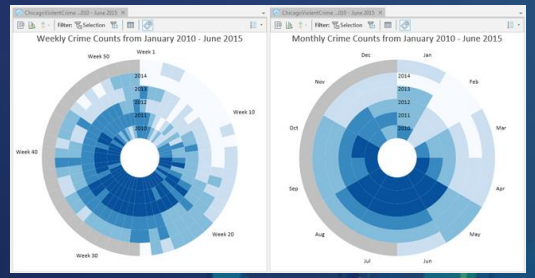
Slice Tool



Import/Export Metadata



Batch Geoprocessing



Data Clock Chart

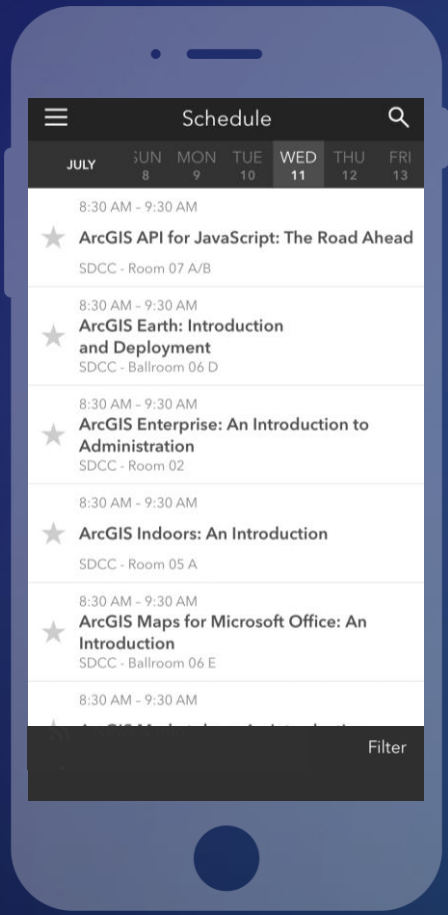
Revit File Support

Stream Layer

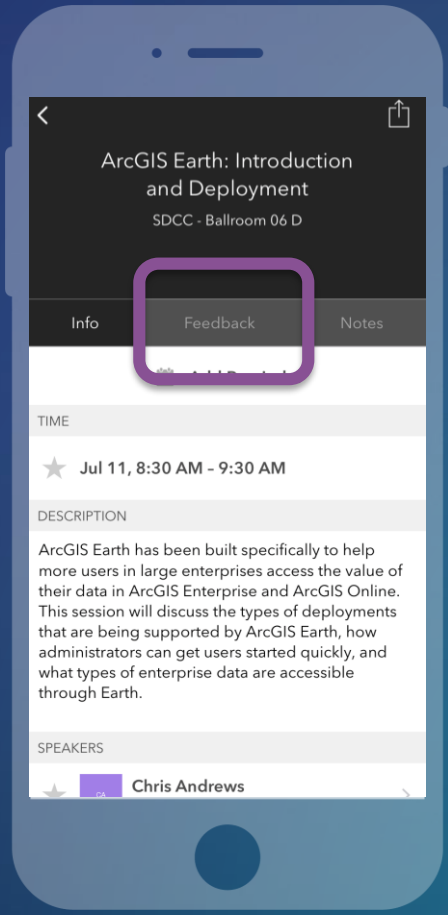
Please Take Our Survey on the App

Download the Esri Events app and find your event

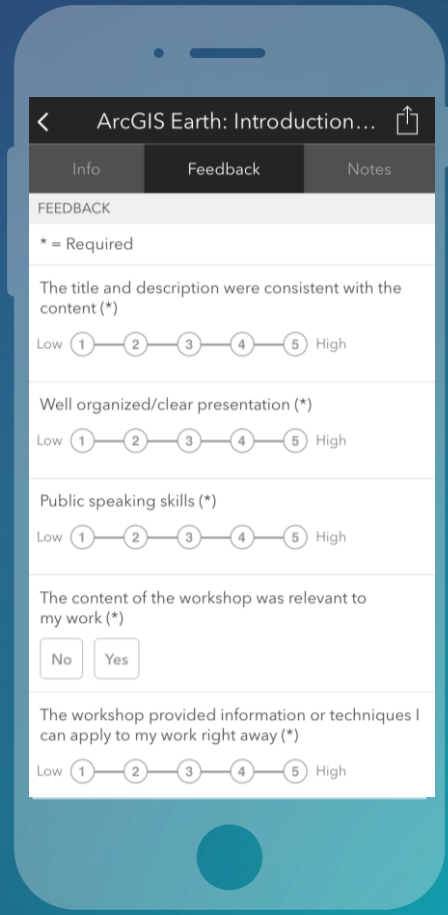
Select the session you attended



Scroll down to find the feedback section



Complete answers and select “Submit”



See Us Here

WORKSHOP	LOCATION	TIME FRAME
• ArcGIS Pro: Migrating from ArcMap	• Room 10	• Tuesday, 7/10 from 8:30-9:30
• ArcGIS Pro SDK: An Introduction to Add-Ins and Configurations	• Demo Theater 07	• Wednesday, 7/11 from 11:15-12:00
• ArcGIS Pro: An Introduction	• Room 01 A/B	• Thursday, 7/12 from 1:00 – 2:00
• Hands-on Learning Lab	• Hall B1	• Ongoing, self-paced lessons

Questions?

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