



ArcGIS Pro: Top 5 Tips and Tricks

Nicholas M. Giner

An abstract 3D visualization graphic on the right side of the slide. It features various geometric shapes and layers in shades of blue, orange, and green, representing GIS data layers and terrain. The graphic is tilted and layered, creating a sense of depth and complexity.

**GIS
INSPIRING
WHAT'S
NEXT**

Agenda




Agenda

- Project / Content Management


Agenda

- Project / Content Management
 - Map Exploration / Navigation
- 


Agenda

- Project / Content Management
 - Map Exploration / Navigation
 - Map Authoring / Symbology
- 
- The background of the slide is a dark blue gradient. In the lower right corner, there is an abstract graphic composed of several overlapping, semi-transparent planes and lines in shades of blue, teal, and light green, creating a sense of depth and modern design.

Agenda

- Project / Content Management
 - Map Exploration / Navigation
 - Map Authoring / Symbology
 - Geoprocessing
- 
- The background of the slide is a dark blue gradient. In the bottom right corner, there is an abstract graphic composed of several overlapping, semi-transparent planes and lines in shades of blue, teal, and green, creating a sense of depth and movement.


Agenda

- Project / Content Management
 - Map Exploration / Navigation
 - Map Authoring / Symbology
 - Geoprocessing
 - Charts
- 
- The background of the slide is a dark blue gradient. In the bottom right corner, there is an abstract graphic composed of numerous overlapping, semi-transparent rectangular and polygonal shapes in various shades of blue, teal, and light green. These shapes are oriented at various angles, creating a sense of depth and movement, resembling a stylized cityscape or a complex data visualization.


Agenda

- Project / Content Management
- Map Exploration / Navigation
- Map Authoring / Symbology
- Geoprocessing
- Charts
- Editing


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Agenda

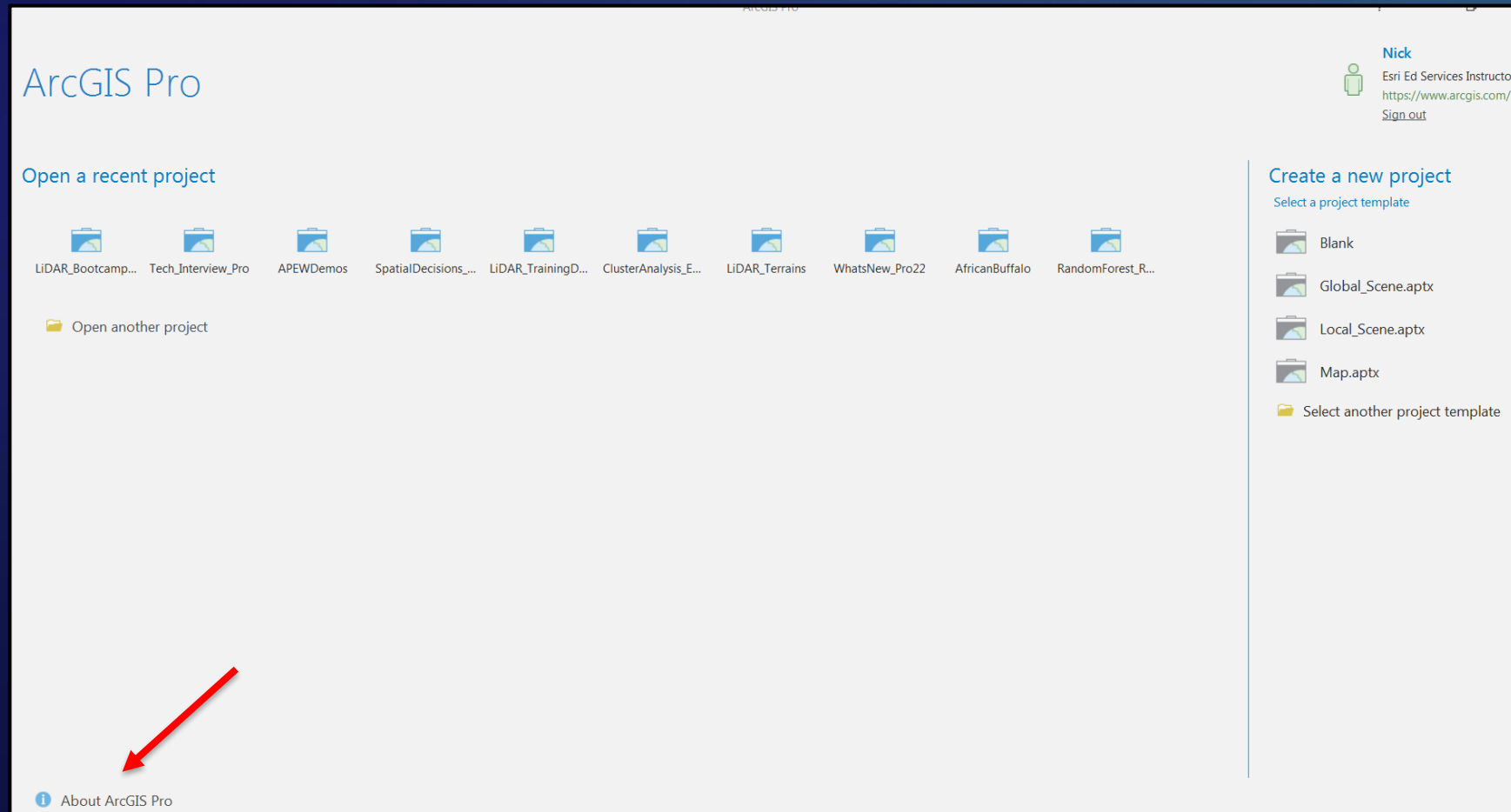
- Project / Content Management
 - Map Exploration / Navigation
 - Map Authoring / Symbology
 - Geoprocessing
 - Charts
 - Editing
 - Layouts
 - Sharing
- 

Agenda

- Project / Content Management
 - Map Exploration / Navigation
 - Map Authoring / Symbology
 - Geoprocessing
 - Charts
 - Editing
 - Layouts
 - Sharing
 - Additional Resources
- 

Project / Content Management

- Access Project options without creating a new Project



Project / Content Management

- Licensing options

The screenshot displays the ArcGIS Pro interface with the 'Licensing' menu item highlighted in the left sidebar. A red arrow points to this menu item. The main window shows the 'ArcGIS Pro Named User License' section with a table of license types. Another red arrow points to the 'Configure your licensing options' button at the bottom of the main window. A dialog box titled 'Licensing' is open, showing configuration options for 'ArcGIS Online' and 'ArcGIS Enterprise'. The 'ArcGIS Online' option is selected, and its URL is set to 'https://www.arcgis.com/'. The 'ArcGIS Enterprise' option is unselected, and its URL field is empty. The dialog also includes 'OK' and 'Cancel' buttons.

ArcGIS Pro Named User License

Name	Licensed	Expires
Basic	No	N/A
Standard	No	N/A
Advanced	Yes	7/19

Esri Extensions

Name	Licensed
3D Analyst	Yes
Aviation Airports	No
Business Analyst	Yes
Data Interoperability	No
Data Reviewer	Yes
Defense Mapping	No
Geostatistical Analyst	Yes
Image Analyst	Yes
Location Referencing	No

Settings

- Authorize ArcGIS Pro to work offline ⓘ
- Show license expiration warning messages.

Licensing Portal

🔑 https://www.arcgis.com/

Workstation Alias ⓘ

📁 ArcGISPro_90

[Configure your licensing options](#)

[Manage your data licensing](#)

Licensing

Configure Authorization

Authorization settings cannot be modified when multiple instances of ArcGIS Pro are running.

License Type Named User License [Learn More](#)

Configure your licensing options

Please configure your licensing portal and sign in to ArcGIS Online or ArcGIS Enterprise with an account licensed to use Pro.

ArcGIS Online

Authorize ArcGIS Pro with a valid ArcGIS Online account

URL

ArcGIS Enterprise

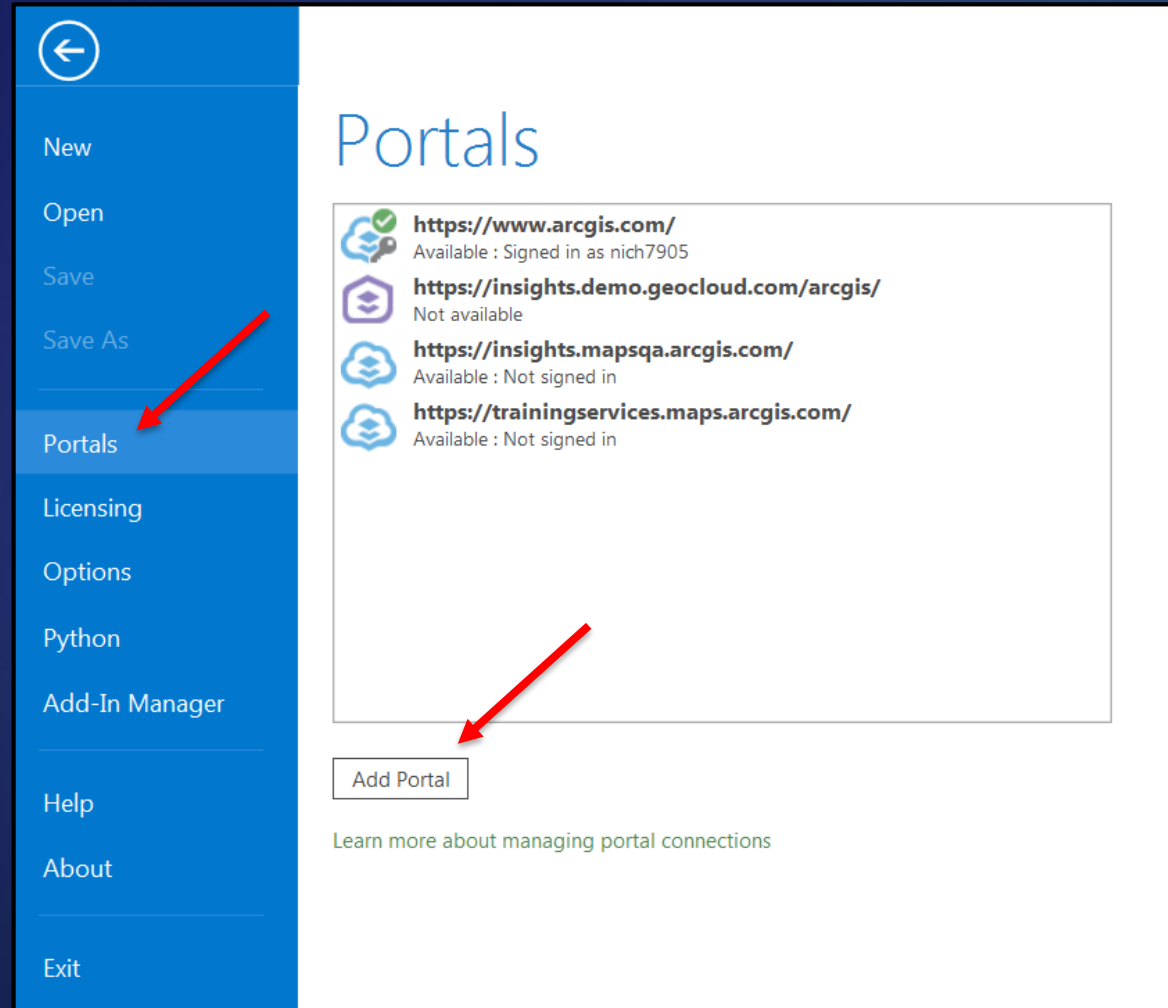
Authorize ArcGIS Pro using your ArcGIS Enterprise portal

URL

Example: https://webadaptorhost.domain.com/webadaptorname

Project / Content Management

- Add multiple portals



The screenshot displays the ArcGIS Project / Content Management interface. On the left is a blue navigation sidebar with a back arrow at the top and the following menu items: New, Open, Save, Save As, Portals (highlighted with a red arrow), Licensing, Options, Python, Add-In Manager, Help, About, and Exit. The main content area is titled "Portals" and contains a list of four portal entries, each with an ArcGIS icon and a status indicator:

- <https://www.arcgis.com/> Available : Signed in as nich7905
- <https://insights.demo.geocloud.com/arcgis/> Not available
- <https://insights.mapsqa.arcgis.com/> Available : Not signed in
- <https://trainingservices.maps.arcgis.com/> Available : Not signed in

At the bottom of the main area, there is an "Add Portal" button (indicated by a red arrow) and a link that says "Learn more about managing portal connections".

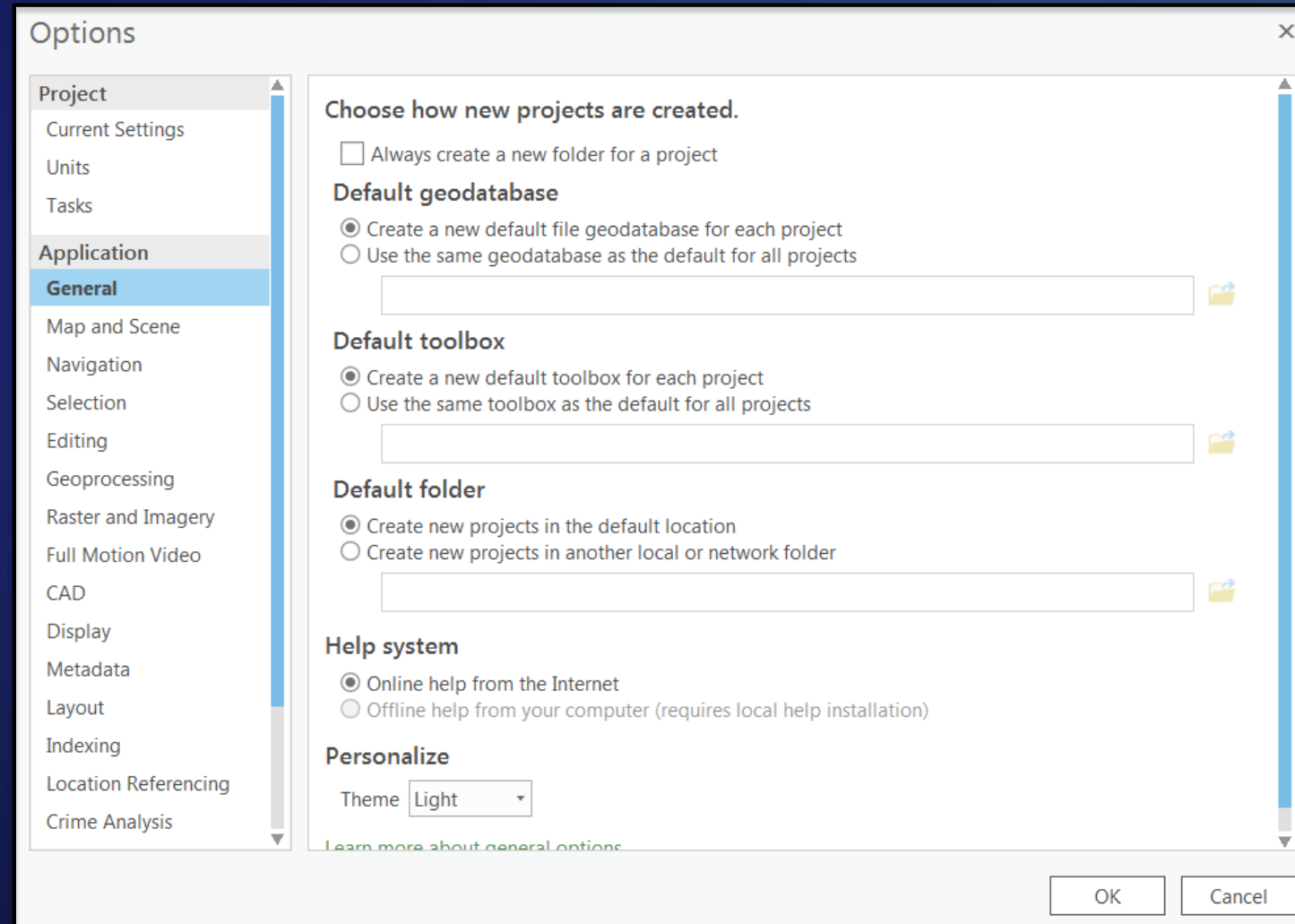
Project / Content Management

- Project options



Project / Content Management

- Project options



The screenshot shows the 'Options' dialog box with the 'Application' category selected. The 'General' sub-category is active, displaying settings for project creation, default geodatabases, toolboxes, folders, help system, and theme.

Options

Project

- Current Settings
- Units
- Tasks

Application


- General**
- Map and Scene
- Navigation
- Selection
- Editing
- Geoprocessing
- Raster and Imagery
- Full Motion Video
- CAD
- Display
- Metadata
- Layout
- Indexing
- Location Referencing
- Crime Analysis

Choose how new projects are created.

Always create a new folder for a project


Default geodatabase

Create a new default file geodatabase for each project
 Use the same geodatabase as the default for all projects




Default toolbox

Create a new default toolbox for each project
 Use the same toolbox as the default for all projects



Default folder

Create new projects in the default location
 Create new projects in another local or network folder



Help system

Online help from the Internet
 Offline help from your computer (requires local help installation)

Personalize

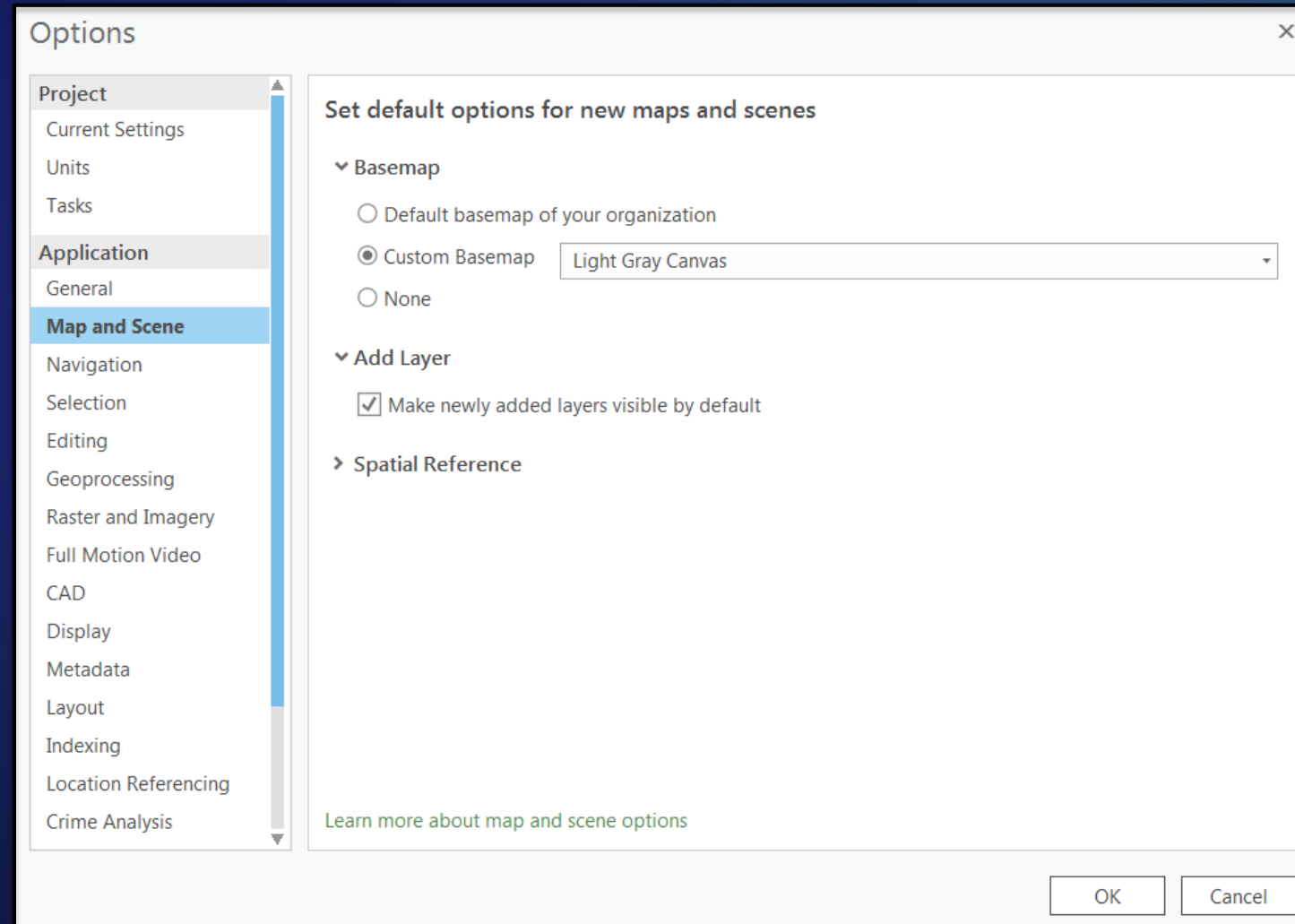
Theme

[Learn more about general options](#)

OK Cancel

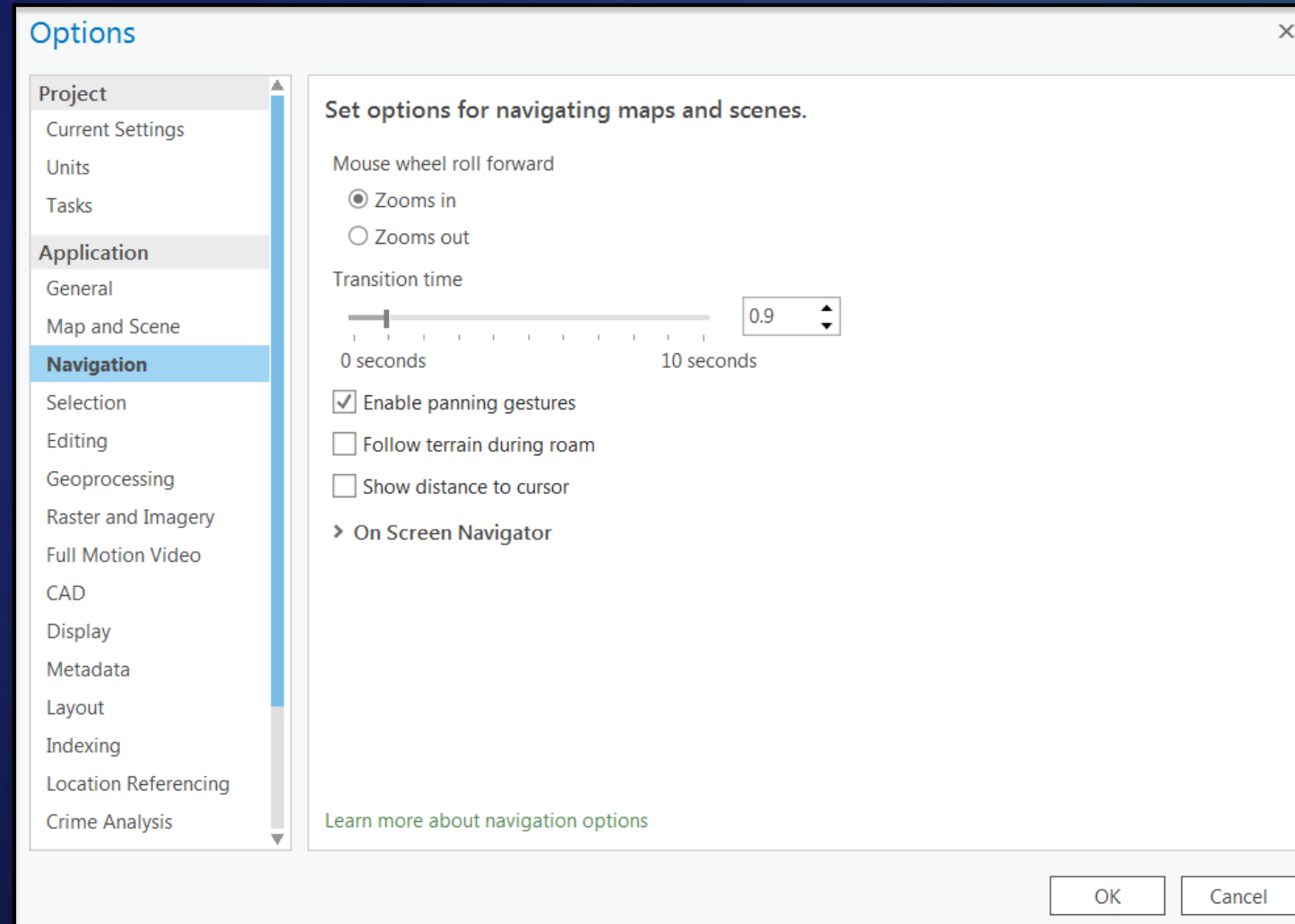
Project / Content Management

- Project options



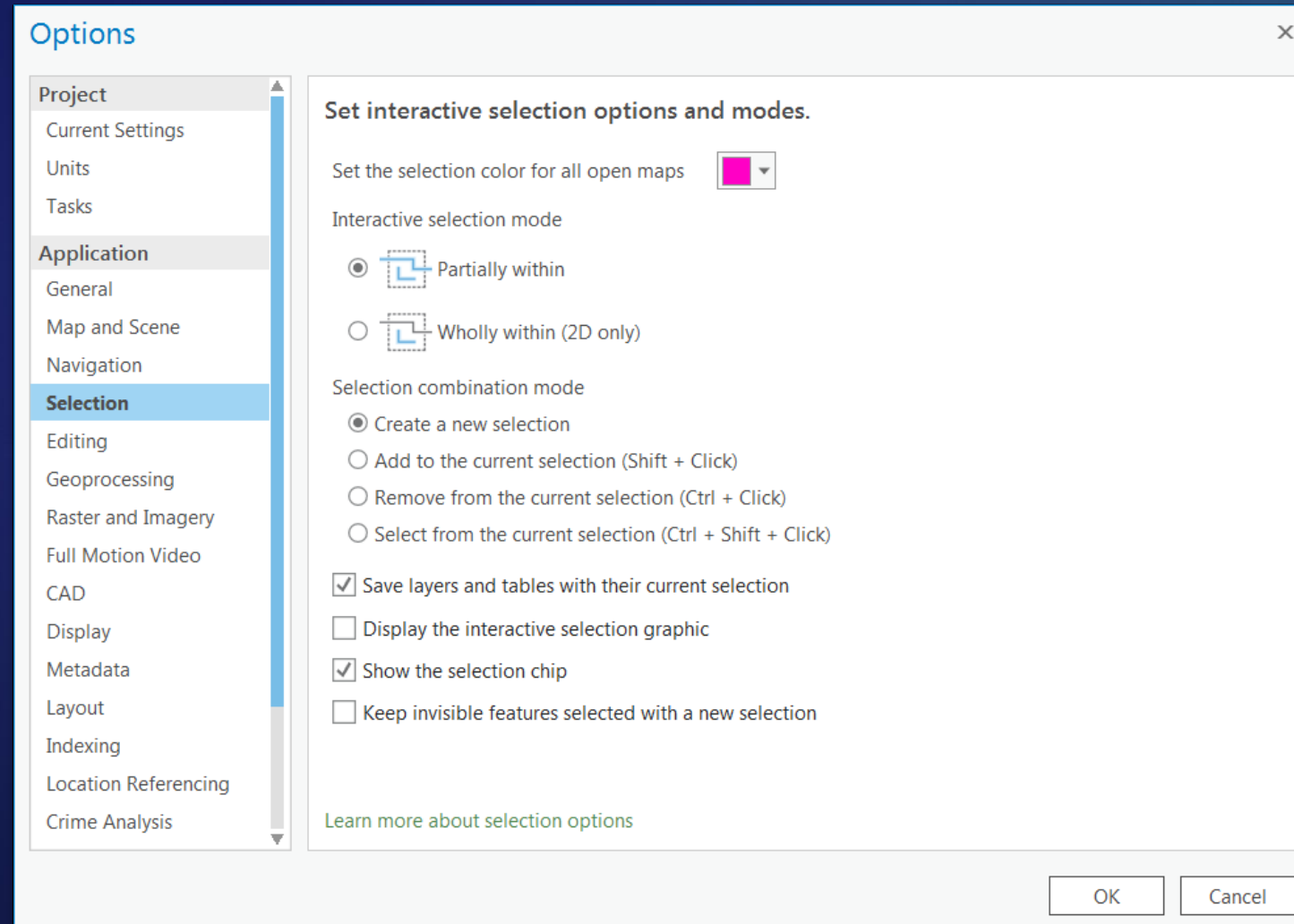
Project / Content Management

- Project options



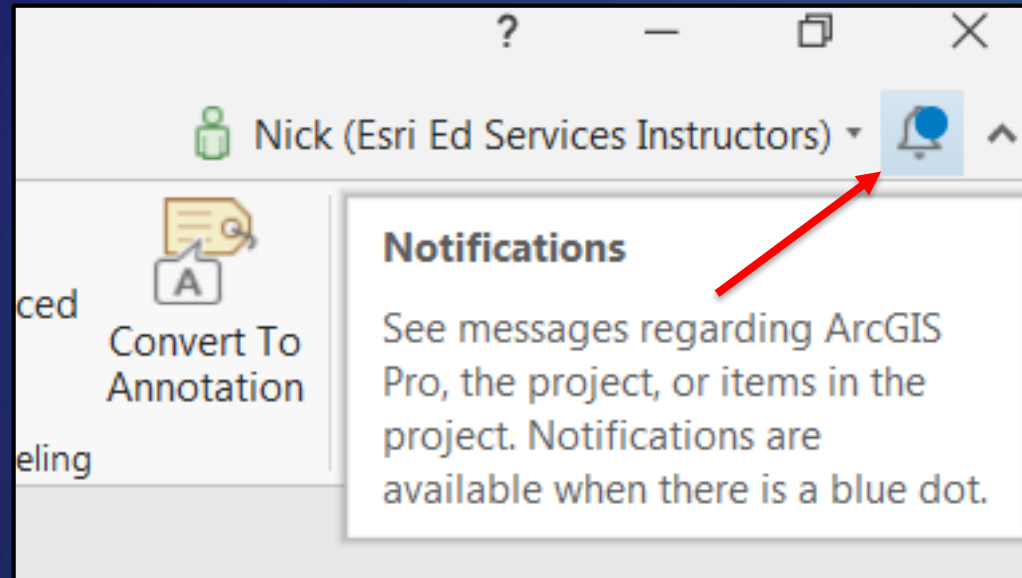
Project / Content Management

- Project options



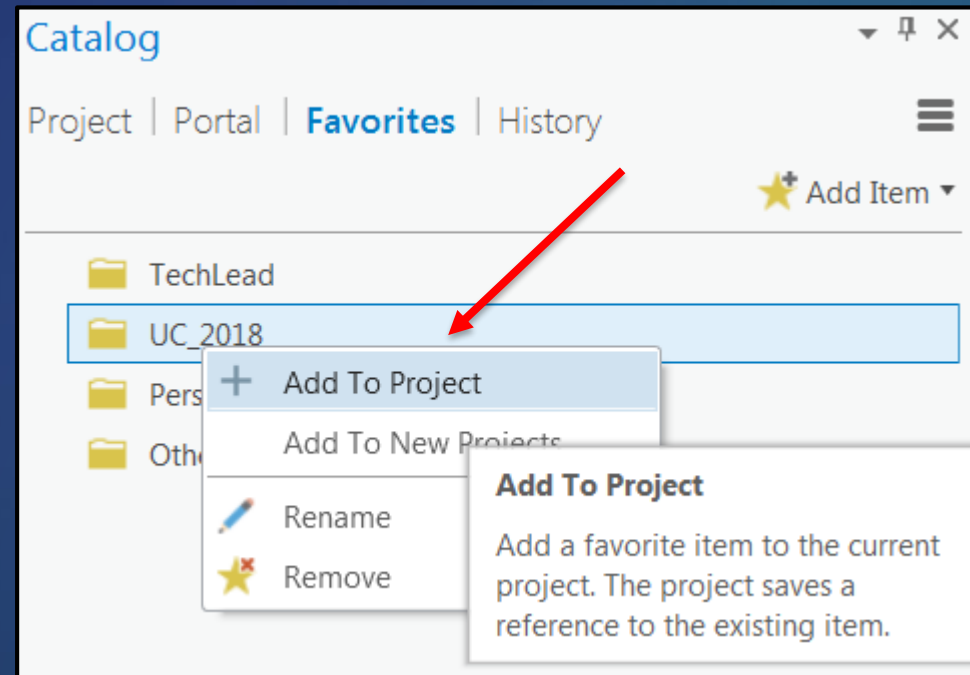
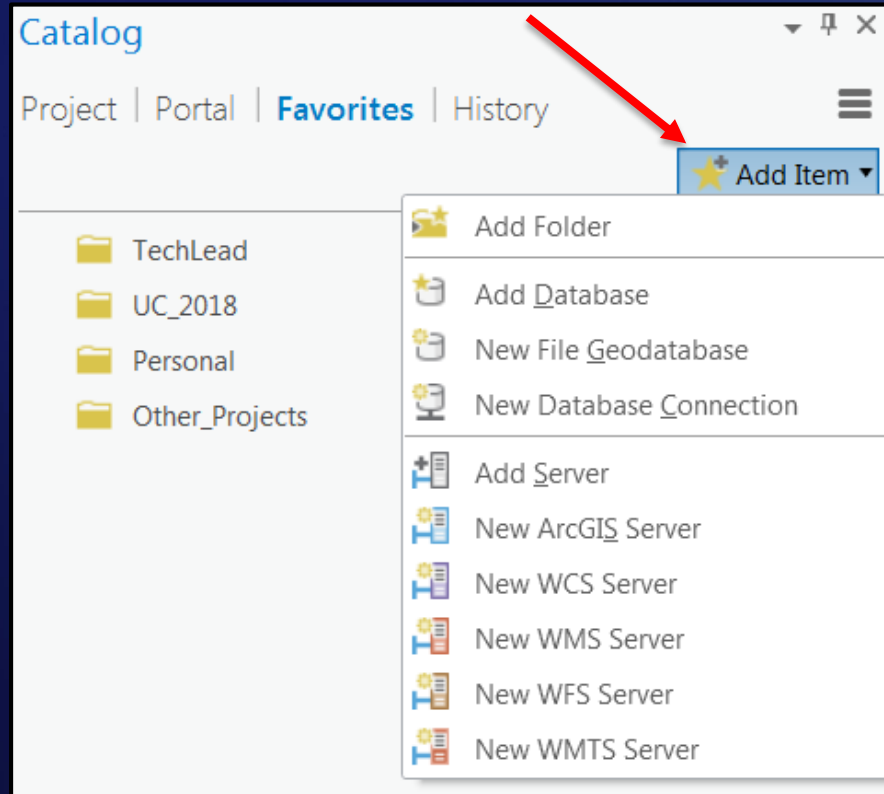
Project / Content Management

- Notifications (including ArcGIS Pro updates)



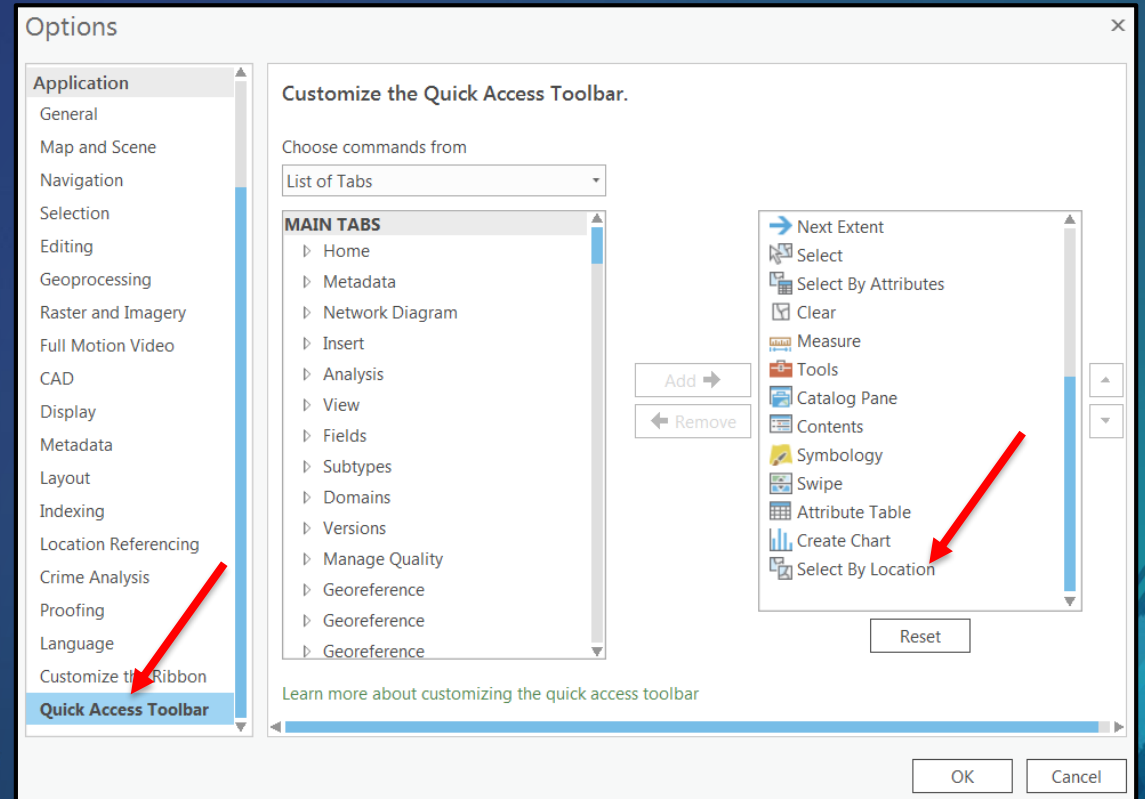
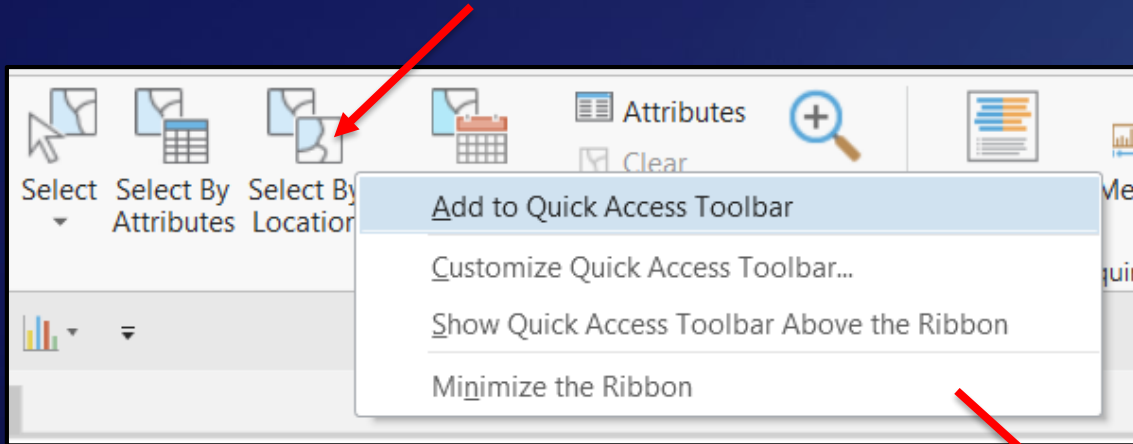
Project / Content Management

- Add Favorites to Project



Project / Content Management

- Customize Quick Access Toolbar

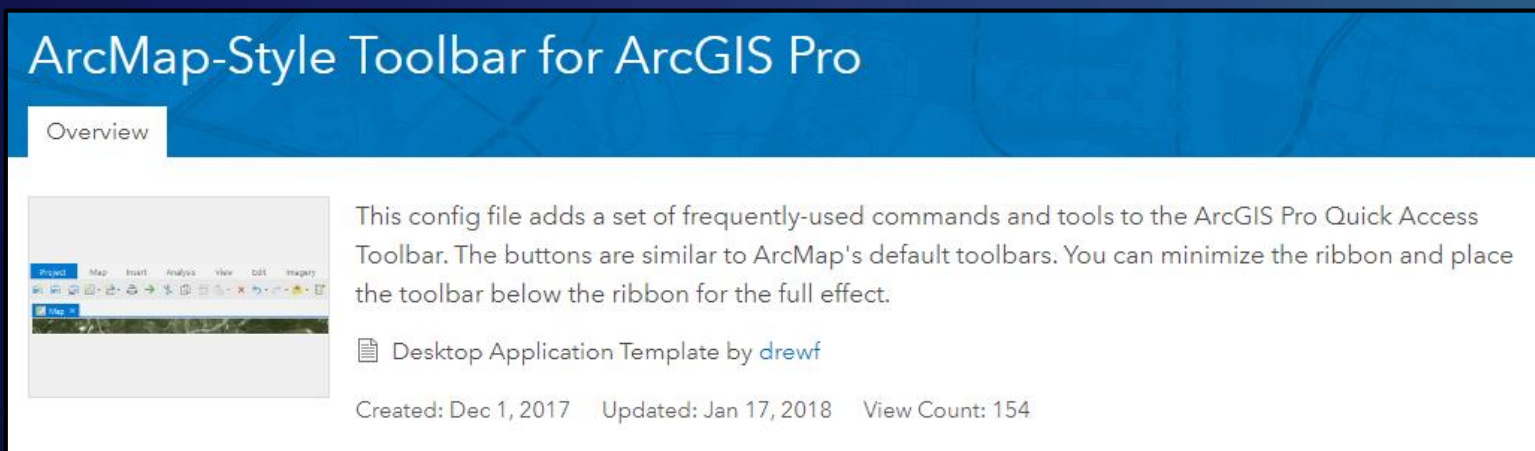


Project / Content Management

- Customize Quick Access Toolbar



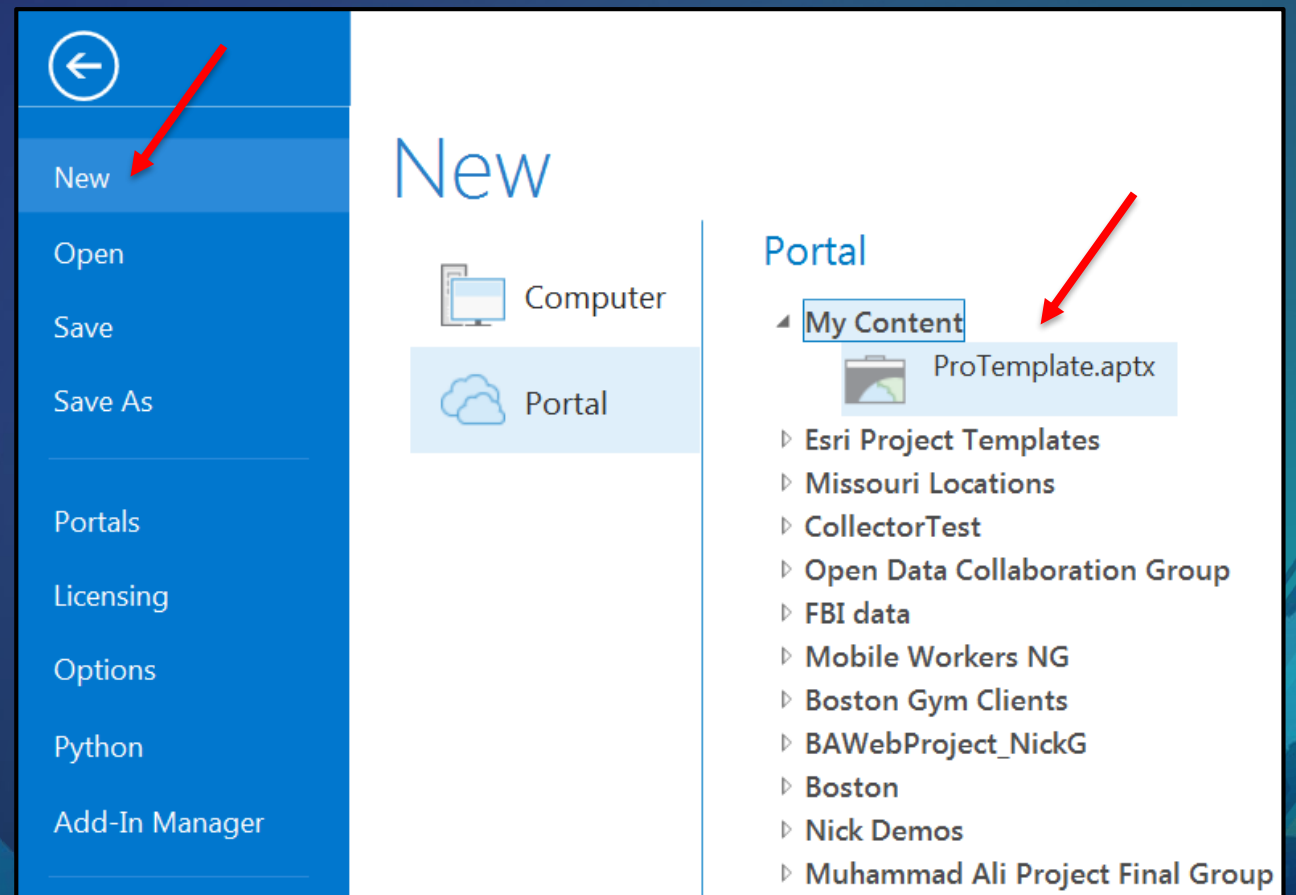
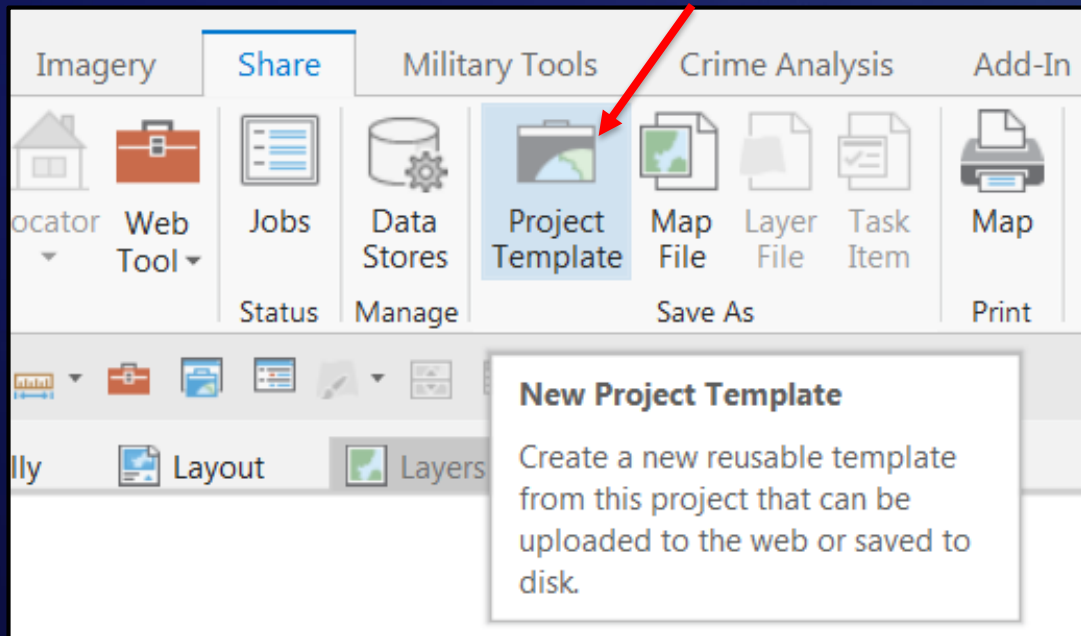
[Link](#)



[Link](#)

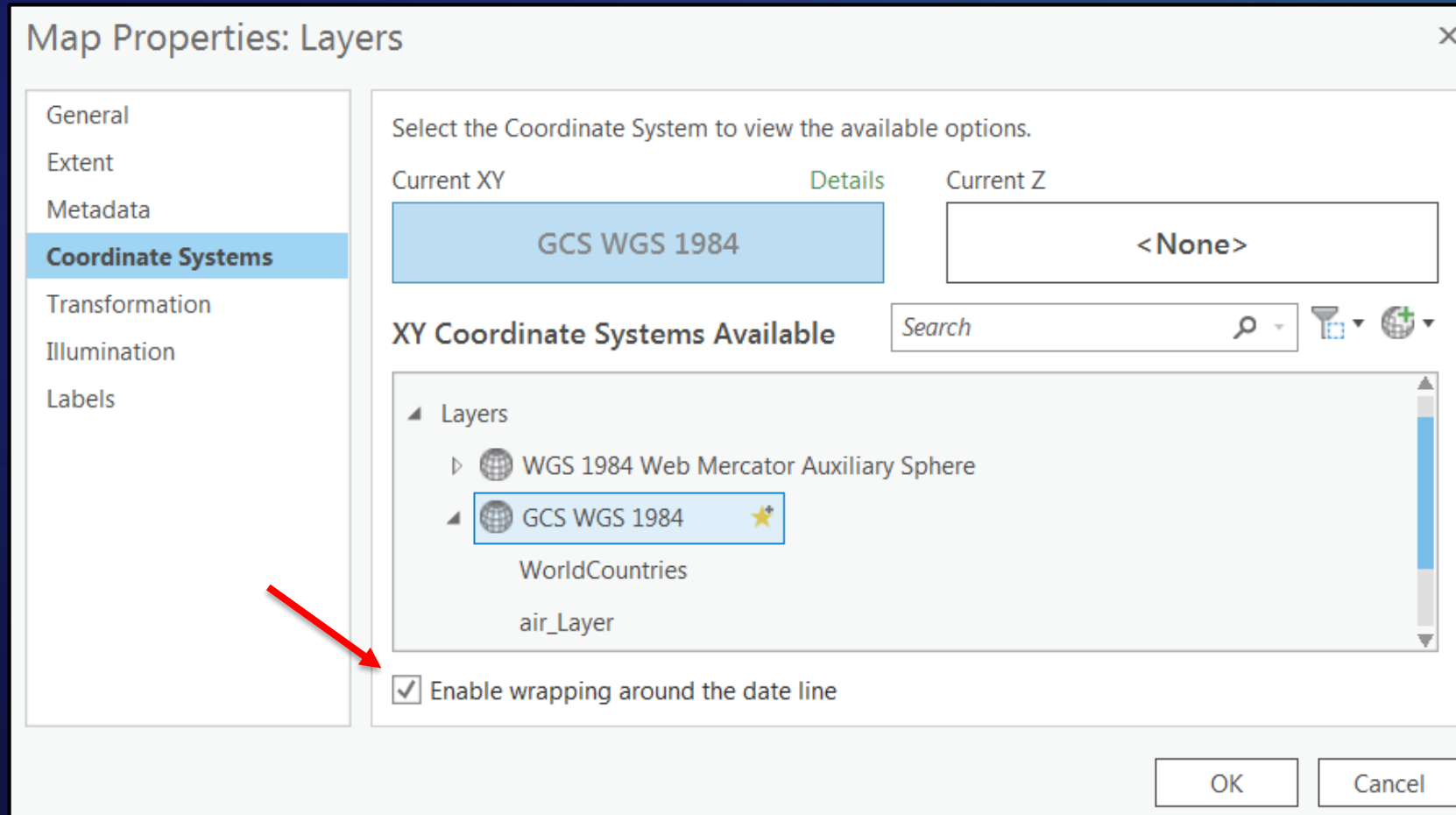
Project / Content Management

- Use Project Templates to have your Favorites, Styles, and other customizations available to you and others when you create a new blank Project



Map Exploration / Navigation

- Scroll around the world (map continues at International Date Line)



Map Exploration / Navigation

- Keyboard shortcuts for navigation
- KeyTips

Keyboard shortcuts for navigation

Keyboard shortcuts for navigation provide fingertip access to many functions, minimizing the need to change tools. This increases the ability to adjust the experience without the mouse leaving the view or the task. Some shortcuts are only relevant in a 3D view and these will be distinguished below.

In this topic

[Shortcut keys to enhance the Explore tool](#)

[Keyboard shortcuts to access navigation regardless of the active tool](#)

[Link](#)

Use ArcGIS Pro with a keyboard

You can navigate the ArcGIS Pro user interface and execute commands using keyboard shortcuts exclusively. The main parts of the user interface are the ribbon, panes, and views, shown in the image below. The ribbon and panes organize commands for working with views. Views are work areas, such as maps, tables, layouts, and charts. For a more detailed description of the user interface, see [About ArcGIS Pro](#).

In this topic

[Common keyboard shortcuts](#)

[Create or open a project with keyboard shortcuts](#)

[Use keyboard shortcuts on the ribbon](#)

[Use keyboard shortcuts in panes](#)

[Use keyboard shortcuts in views](#)

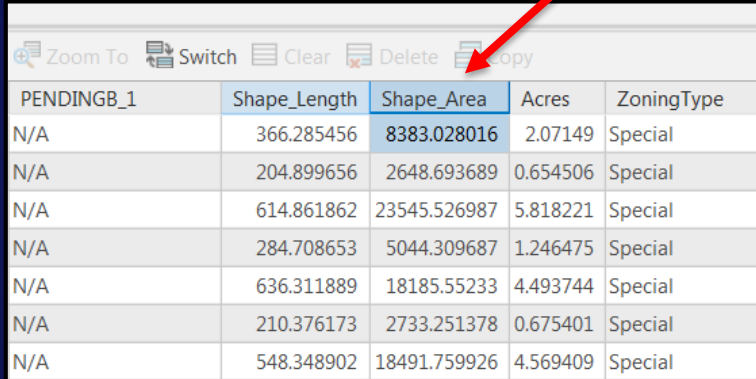
[Switch among panes and views](#)

[Additional keyboard shortcuts](#)

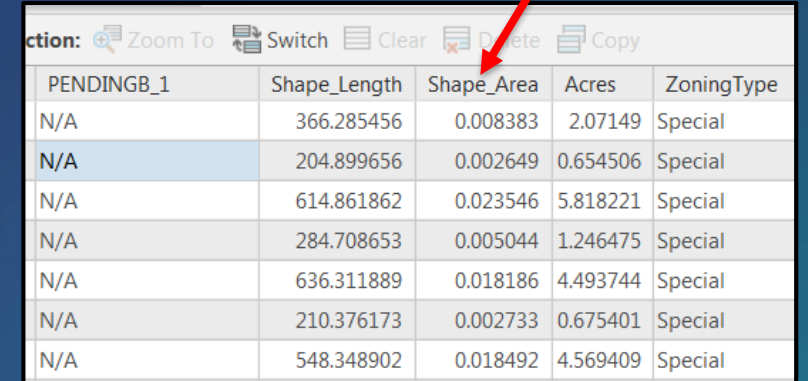
[Link](#)

Map Exploration / Navigation

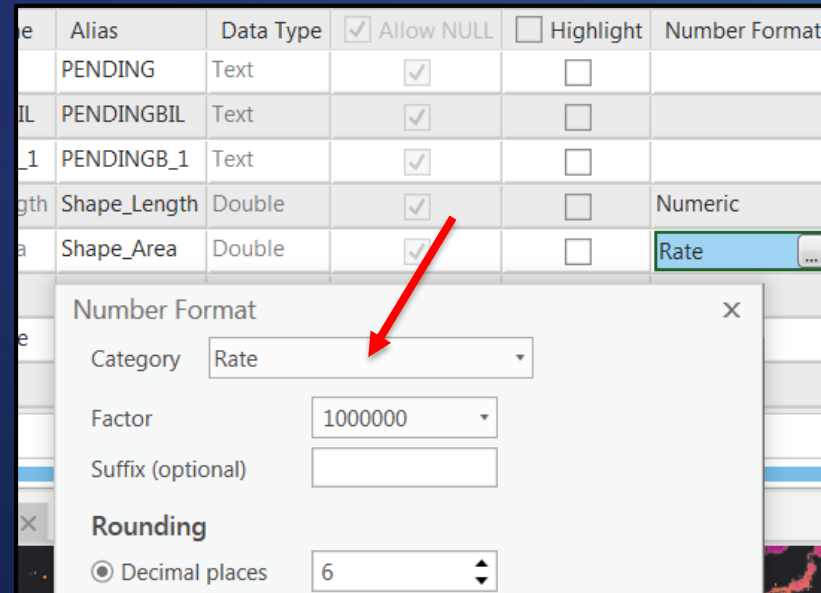
- Change area units in feature class fields



PENDINGB_1	Shape_Length	Shape_Area	Acres	ZoningType
N/A	366.285456	8383.028016	2.07149	Special
N/A	204.899656	2648.693689	0.654506	Special
N/A	614.861862	23545.526987	5.818221	Special
N/A	284.708653	5044.309687	1.246475	Special
N/A	636.311889	18185.55233	4.493744	Special
N/A	210.376173	2733.251378	0.675401	Special
N/A	548.348902	18491.759926	4.569409	Special



PENDINGB_1	Shape_Length	Shape_Area	Acres	ZoningType
N/A	366.285456	0.008383	2.07149	Special
N/A	204.899656	0.002649	0.654506	Special
N/A	614.861862	0.023546	5.818221	Special
N/A	284.708653	0.005044	1.246475	Special
N/A	636.311889	0.018186	4.493744	Special
N/A	210.376173	0.002733	0.675401	Special
N/A	548.348902	0.018492	4.569409	Special



Field Name	Alias	Data Type	Allow NULL	Highlight	Number Format
PENDING		Text	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PENDINGBIL		Text	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PENDINGB_1		Text	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Shape_Length		Double	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Numeric
Shape_Area		Double	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rate

Number Format

Category: Rate

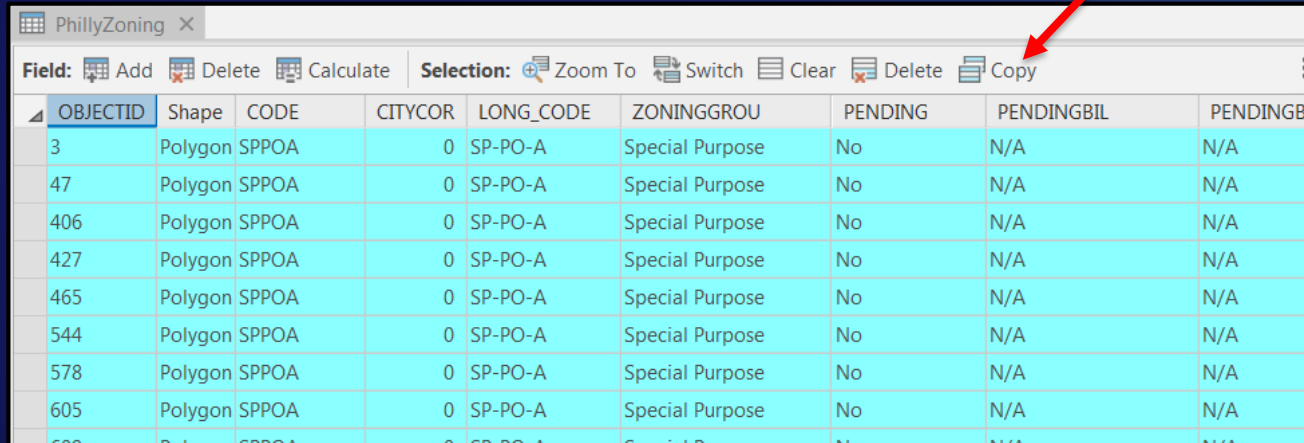
Factor: 1000000

Suffix (optional):

Rounding: Decimal places: 6

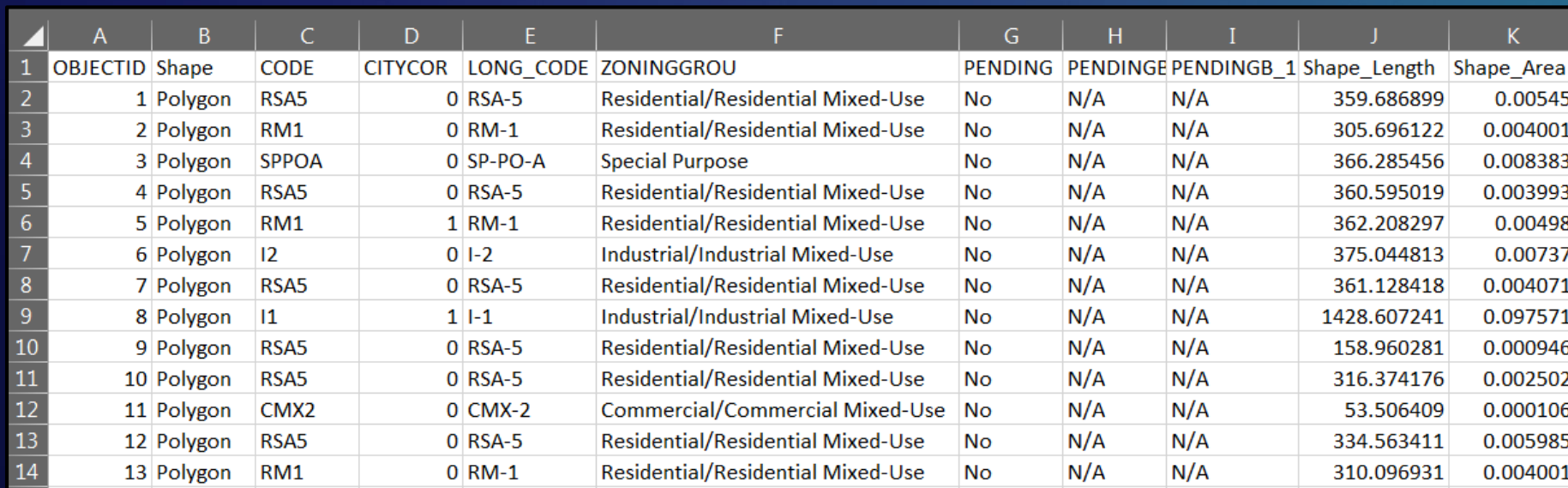
Map Exploration / Navigation

- Copy records from attribute tables directly to Excel



The screenshot shows a GIS application window titled 'PhillyZoning'. The interface includes a toolbar with buttons for 'Add', 'Delete', 'Calculate', 'Zoom To', 'Switch', 'Clear', 'Delete', and 'Copy'. A red arrow points to the 'Copy' button. Below the toolbar is a table with the following columns: OBJECTID, Shape, CODE, CITYCOR, LONG_CODE, ZONINGGROU, PENDING, PENDINGBIL, and PENDINGB_1. The table contains several rows of data, with the first row highlighted in cyan.

OBJECTID	Shape	CODE	CITYCOR	LONG_CODE	ZONINGGROU	PENDING	PENDINGBIL	PENDINGB_1
3	Polygon	SPPOA	0	SP-PO-A	Special Purpose	No	N/A	N/A
47	Polygon	SPPOA	0	SP-PO-A	Special Purpose	No	N/A	N/A
406	Polygon	SPPOA	0	SP-PO-A	Special Purpose	No	N/A	N/A
427	Polygon	SPPOA	0	SP-PO-A	Special Purpose	No	N/A	N/A
465	Polygon	SPPOA	0	SP-PO-A	Special Purpose	No	N/A	N/A
544	Polygon	SPPOA	0	SP-PO-A	Special Purpose	No	N/A	N/A
578	Polygon	SPPOA	0	SP-PO-A	Special Purpose	No	N/A	N/A
605	Polygon	SPPOA	0	SP-PO-A	Special Purpose	No	N/A	N/A

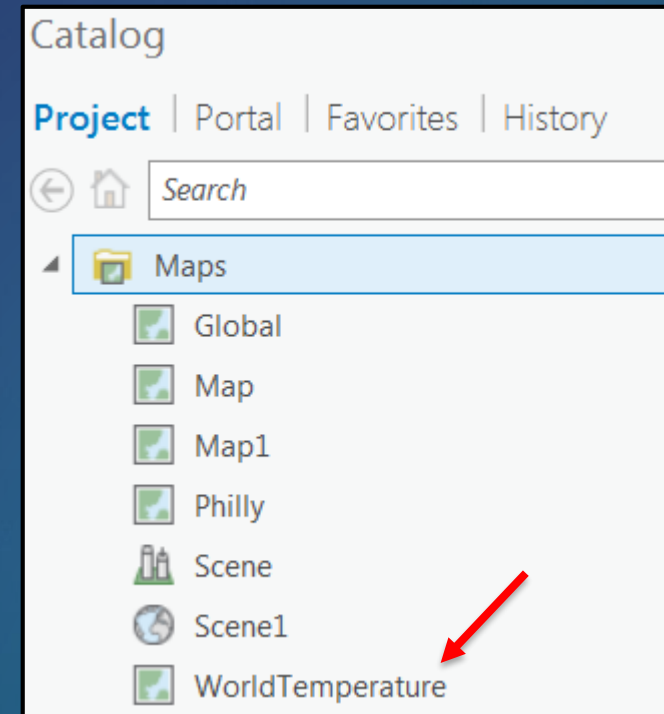
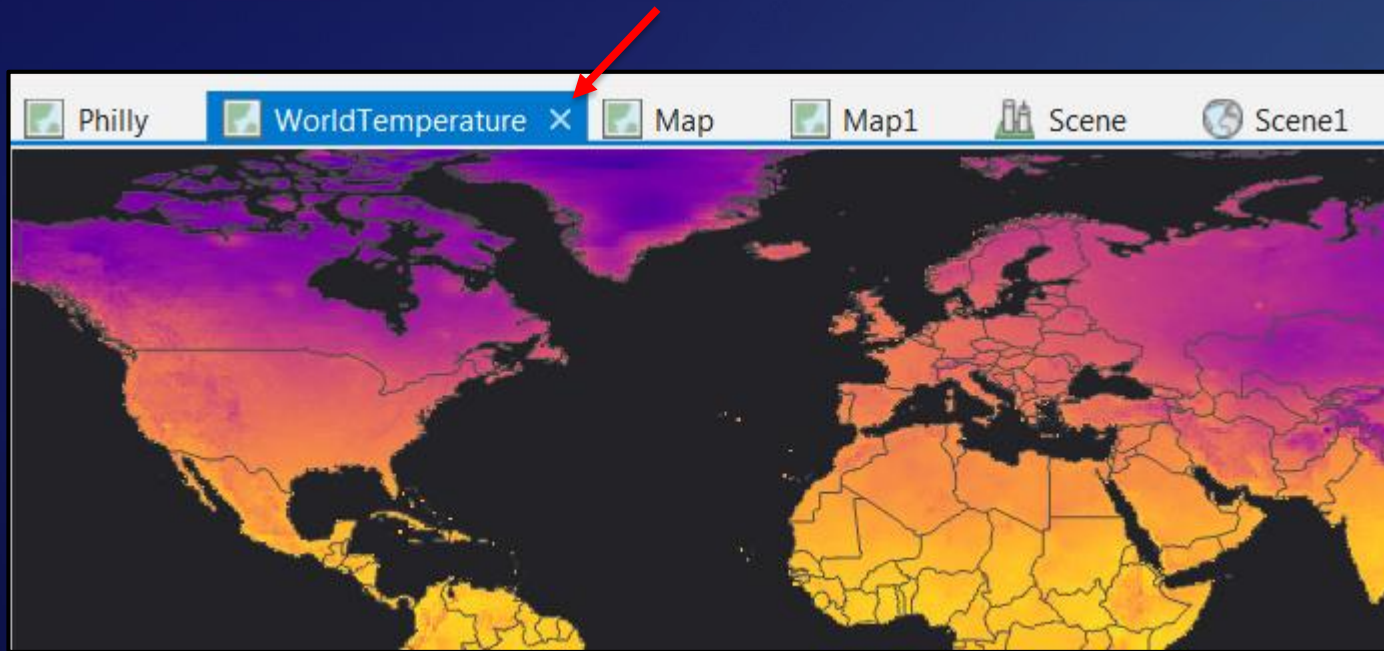


The screenshot shows an Excel spreadsheet with the following columns: A, B, C, D, E, F, G, H, I, J, K. The data is organized as follows:

	A	B	C	D	E	F	G	H	I	J	K
1	OBJECTID	Shape	CODE	CITYCOR	LONG_CODE	ZONINGGROU	PENDING	PENDINGE	PENDINGB_1	Shape_Length	Shape_Area
2	1	Polygon	RSA5	0	RSA-5	Residential/Residential Mixed-Use	No	N/A	N/A	359.686899	0.00545
3	2	Polygon	RM1	0	RM-1	Residential/Residential Mixed-Use	No	N/A	N/A	305.696122	0.004001
4	3	Polygon	SPPOA	0	SP-PO-A	Special Purpose	No	N/A	N/A	366.285456	0.008383
5	4	Polygon	RSA5	0	RSA-5	Residential/Residential Mixed-Use	No	N/A	N/A	360.595019	0.003993
6	5	Polygon	RM1	1	RM-1	Residential/Residential Mixed-Use	No	N/A	N/A	362.208297	0.00498
7	6	Polygon	I2	0	I-2	Industrial/Industrial Mixed-Use	No	N/A	N/A	375.044813	0.00737
8	7	Polygon	RSA5	0	RSA-5	Residential/Residential Mixed-Use	No	N/A	N/A	361.128418	0.004071
9	8	Polygon	I1	1	I-1	Industrial/Industrial Mixed-Use	No	N/A	N/A	1428.607241	0.097571
10	9	Polygon	RSA5	0	RSA-5	Residential/Residential Mixed-Use	No	N/A	N/A	158.960281	0.000946
11	10	Polygon	RSA5	0	RSA-5	Residential/Residential Mixed-Use	No	N/A	N/A	316.374176	0.002502
12	11	Polygon	CMX2	0	CMX-2	Commercial/Commercial Mixed-Use	No	N/A	N/A	53.506409	0.000106
13	12	Polygon	RSA5	0	RSA-5	Residential/Residential Mixed-Use	No	N/A	N/A	334.563411	0.005985
14	13	Polygon	RM1	0	RM-1	Residential/Residential Mixed-Use	No	N/A	N/A	310.096931	0.004001

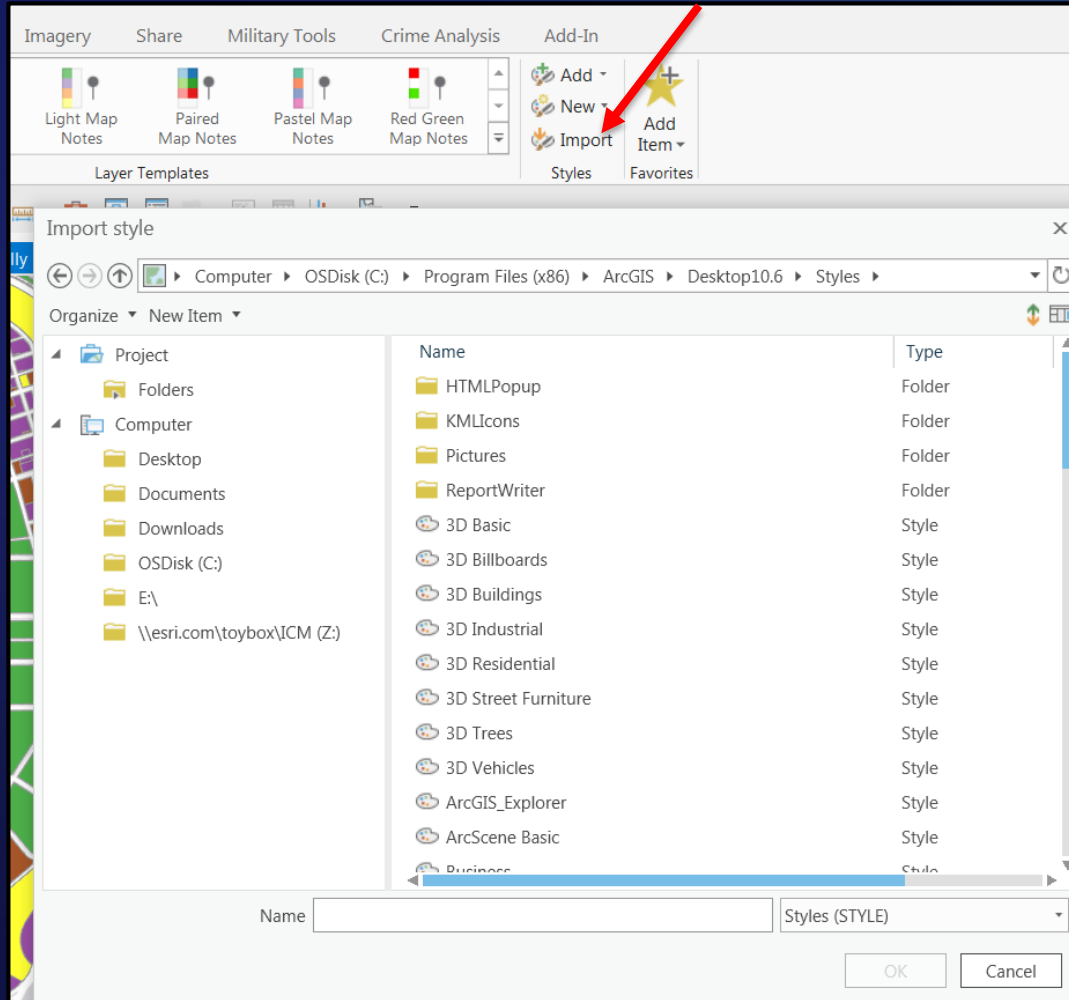
Map Authoring / Symbology

- If you close a map or scene, it doesn't go away!



Map Authoring / Symbology

- Add Styles to Projects

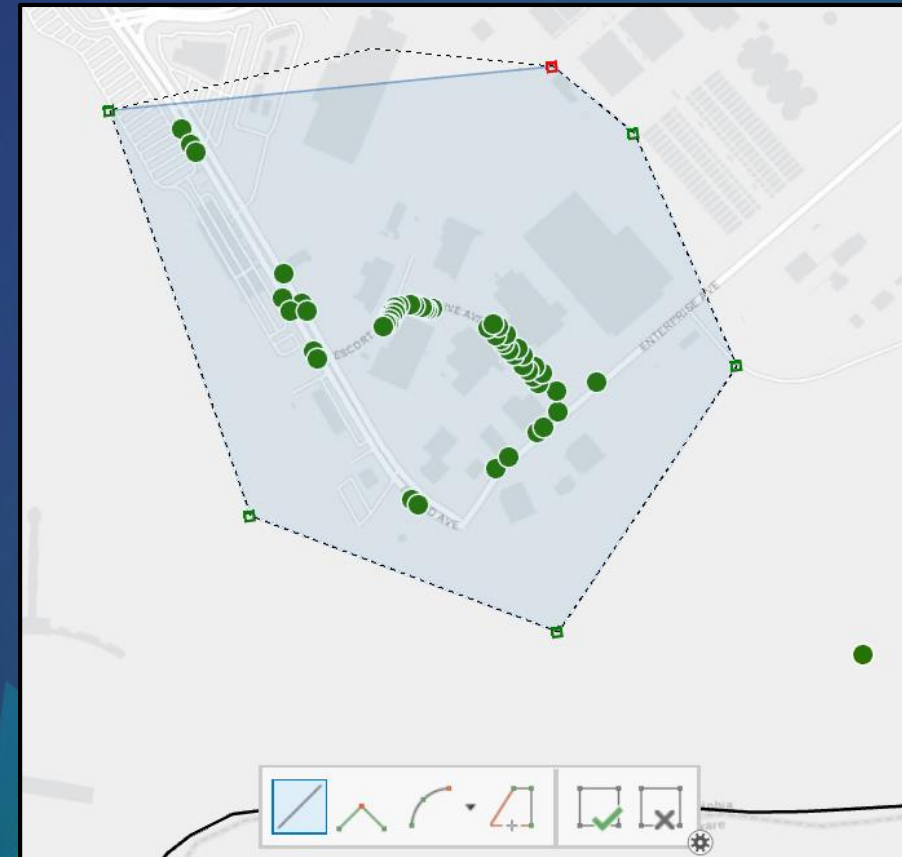
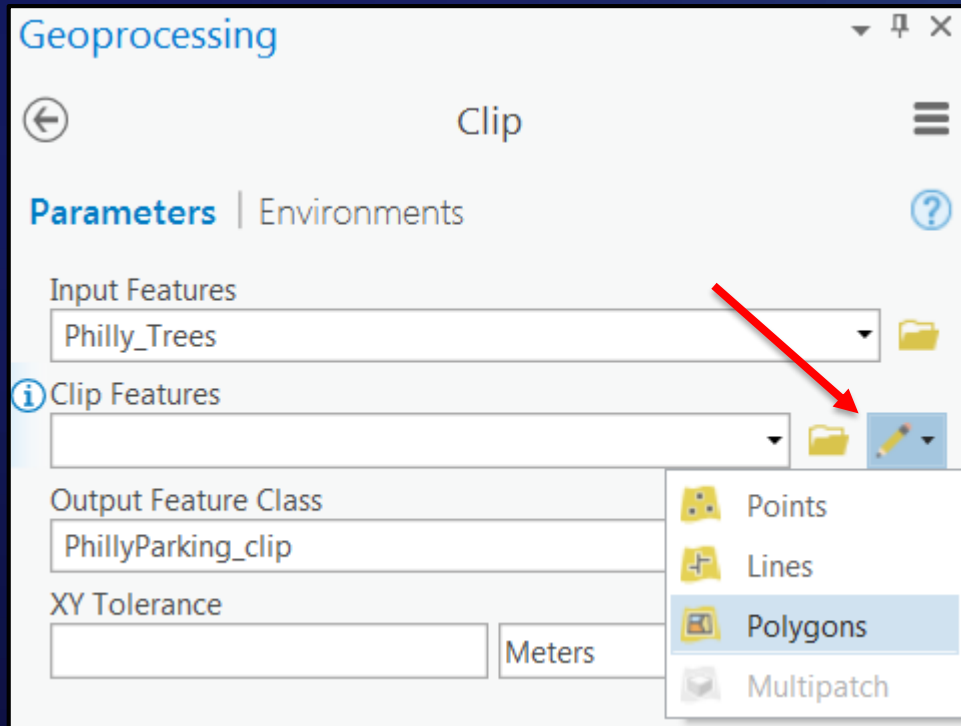


[Link to download Gallery for Esri Styles](#)

[Link to a PDF document that includes every symbol and style in ArcGIS Pro 2.2](#)

Geoprocessing

- Interactive tool inputs



Geoprocessing

- Rearrange fields in a new feature class

OBJECTID	Shape	X	Y	POINT_X	POINT_Y
1	Point	-75.145809	40.050976	822180.8092	82958.3877
2	Point	-75.145427	40.050921	822213.6095	82953.3213
3	Point	-75.145331	40.05113	822221.1115	82976.7288
4	Point	-75.144829	40.050972	822264.406	82960.4297
5	Point	-75.144771	40.050838	822269.7839	82945.71
6	Point	-75.144576	40.050812	822286.471	82943.3477
7	Point	-75.144509	40.050803	822292.2991	82942.4466
8	Point	-75.144478	40.050927	822294.5177	82956.3318
9	Point	-75.144338	40.050911	822306.4907	82954.8745

Geoprocessing

Feature Class to Feature Class

Parameters | Environments

Input Features: Philly_Trees

Output Location: WhatsNew_Pro22.gdb

Output Feature Class: Philly_Trees_Rearrange

Expression

Click Add Clause to begin building your query or click SQL to write your expression directly.

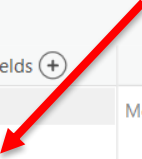
Add Clause

Field Map

Output Fields (+)	Source	Properties
POINT_X	Merge Rule: First	
POINT_Y		
X		
Y		

Philly_Trees

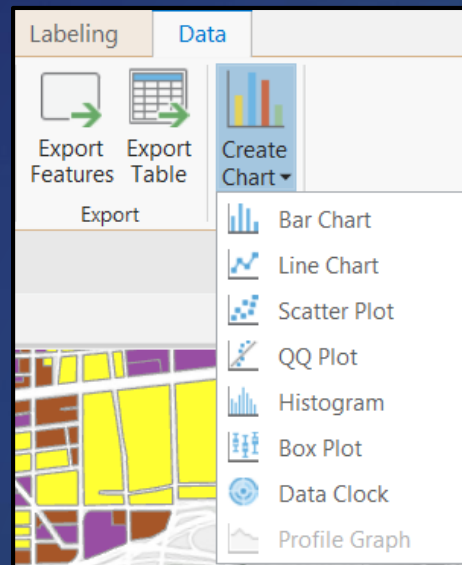
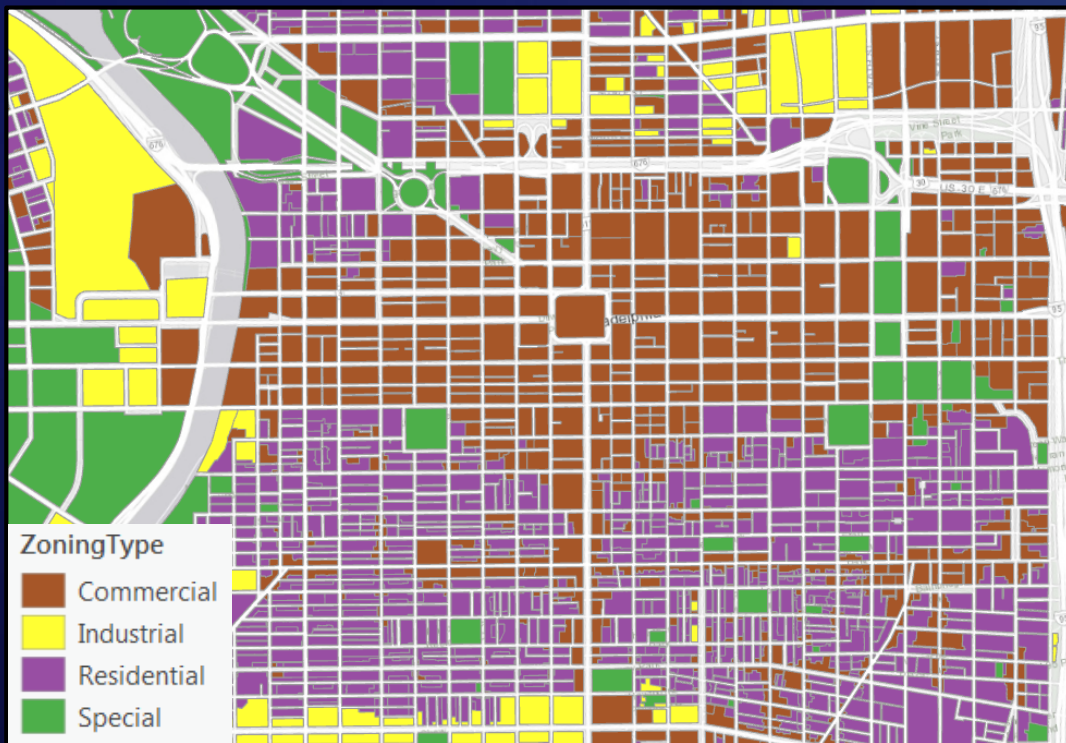
POINT_X



OBJECTID	Shape	POINT_X	POINT_Y	X	Y
1	Point	822180.8092	82958.3877	-75.145809	40.050976
2	Point	822213.6095	82953.3213	-75.145427	40.050921
3	Point	822221.1115	82976.7288	-75.145331	40.05113
4	Point	822264.406	82960.4297	-75.144829	40.050972
5	Point	822269.7839	82945.71	-75.144771	40.050838
6	Point	822286.471	82943.3477	-75.144576	40.050812
7	Point	822292.2991	82942.4466	-75.144509	40.050803
8	Point	822294.5177	82956.3318	-75.144478	40.050927
9	Point	822306.4907	82954.8745	-75.144338	40.050911

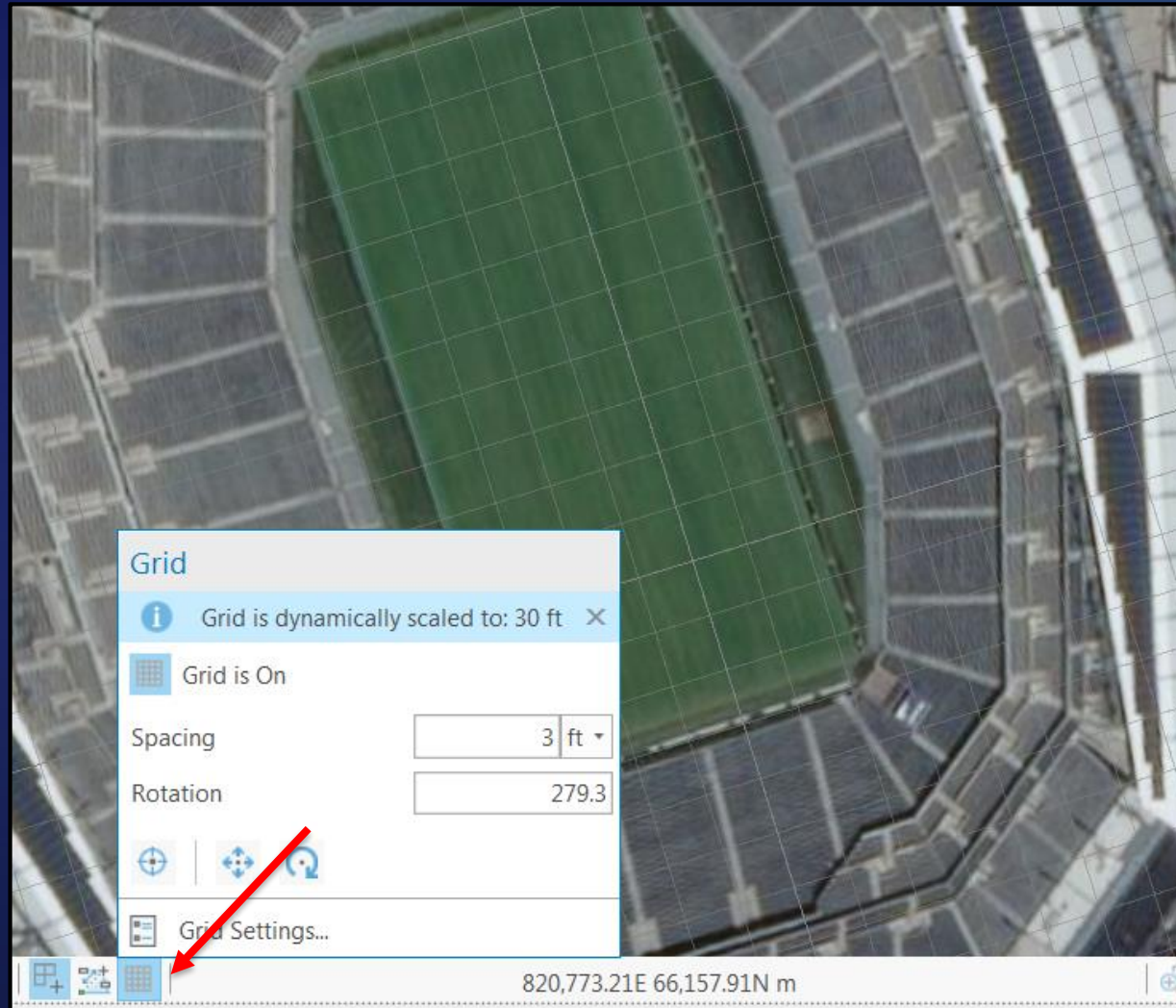
Charts

- Use charts *along with* your maps



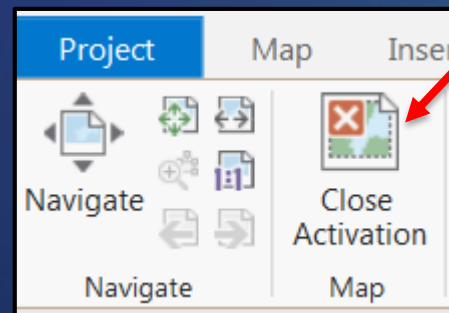
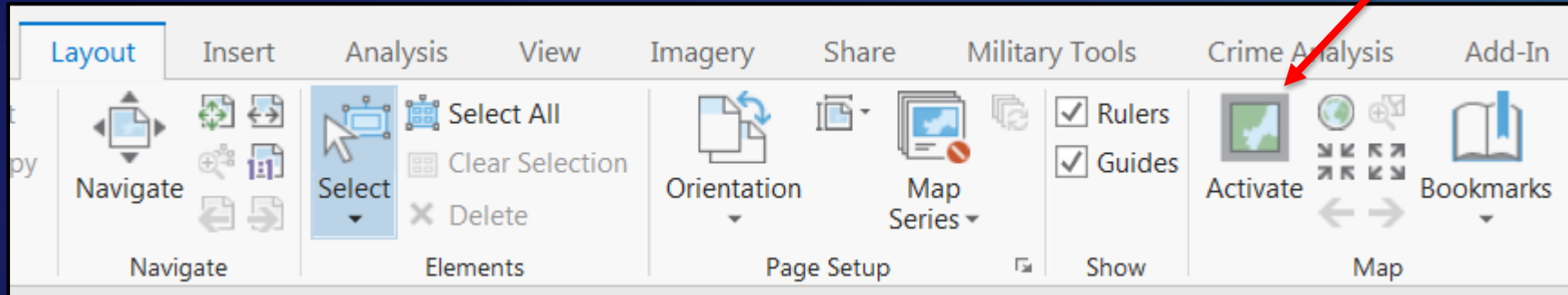
Editing

- Editing grid



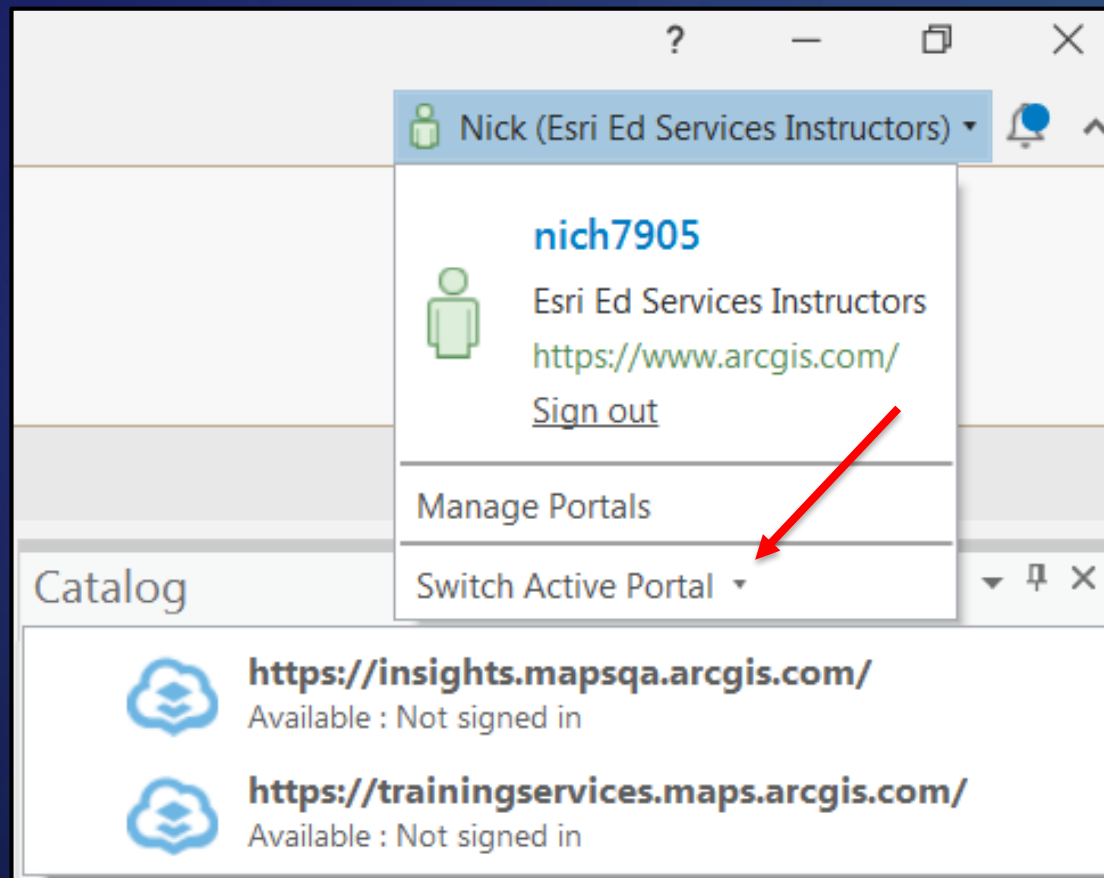
Layouts

- Activate layouts



Sharing

- Switch active portal



Additional resources



Additional resources

- [ArcGIS Pro Tips and Tricks Blog](#)

Additional resources

- [ArcGIS Pro Tips and Tricks Blog](#)
- [Use the Help Documentation](#)

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- [Use the Help Documentation](#)
- Practice!!
 - [Quick-start tutorials](#)
 - [Esri Training](#)
 - [Learn ArcGIS](#)
 - **Force yourself to do your day-to-day work in Pro**
 - Try ArcMap tutorials and web courses in Pro

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- [What's new in ArcGIS Pro 2.2](#)
- [ArcGIS 2.3 Roadmap](#)



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