



Tips & Tricks for ArcGIS Pro

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Topics

1. Getting Started
2. Building Maps
3. Sharing Information



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SECTION 1

Getting Started

Opening Pro









- Since 2.3, users can work without creating a project.
 - Project Folder and contents will be created when Project is saved
- Settings wheel opens Options

Demo:

ArcGIS® Pro

Open

Recent Projects






-  My2MakingaMapSeries
C:\Student\ICTInterPro\Projects\MakingaMa...
-  MakingaMapSeries
C:\Student\ICTInterPro\Projects\MakingaMa...
-  MyMakingaMapSeries
C:\Student\ICTInterPro\Projects\MakingaMa...
-  MyLabelingFeatures
C:\Student\ICTInterPro\Projects\LabelingFeat...
-  LabelingFeatures
C:\Student\ICTInterPro\Projects\LabelingFeat...
-  MyAnalysisInArGIS
C:\Student\ICTInterPro\Projects\AnalysisInAr...
-  AnalysisInArGIS
C:\Student\ICTInterPro\Projects\AnalysisInAr...
-  My3DPro
C:\Student\ICTInterPro\Projects\Mv3DPro\M

 Open another project

 Settings

New

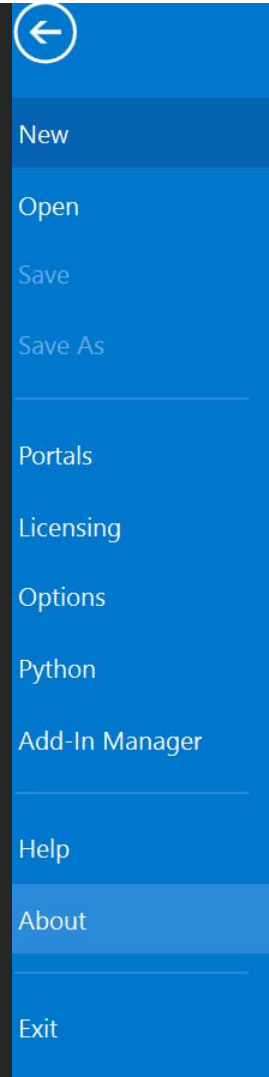
Blank Temp

-  Map
-  Catalog
-  Global
-  Local S
-  Start with
(you can)



Opening Pro

- Options Include:
 - Connecting to Portals
 - Setting License Options
 - Project and general settings (Options)



About ArcGIS

Product Information

ArcGIS Pro 2.3.2

Copyright ©2018 Esri Inc. All Rights Reserved

[View the ArcGIS Pro Copyright and Trademark](#)

[View the ArcGIS Pro Acknowledgements](#)

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Software Update

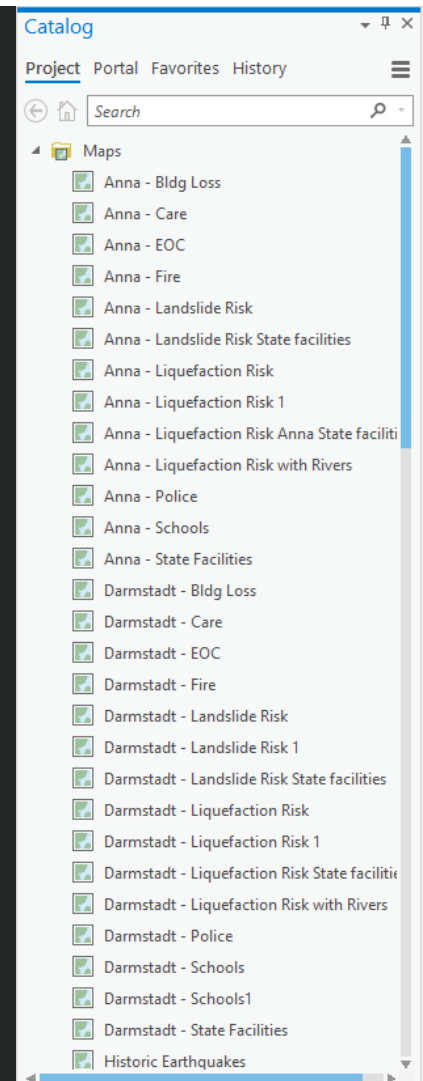
Your ArcGIS Pro version is current.

Check for updates on startup



Efficiency

- Close your maps and layouts prior to saving. It will open much quicker when you reopen!
- Example: APRX with 83 maps and 73 layouts
 - All closed: **23 seconds**
 - With 20 layouts open: **1 minute 50 seconds**



Templates

Templates stored in
**Documents\ArcGIS\Project
Templates** are listed on the
New tab.

ArcGIS® Pro

Open

Recent Projects

- IGIC_2019
C:\Users\Goldblatt\Desktop\IGIC 2019\IGIC_2019.aprx
- JoinsRelates
M:\TeachMeGIS\GISFiles2019\Intermediate_Pro\CTInterPro\Projects\JoinsRelates\Joi...
- JoinsAndRelates
H:\GIO\Arc-GIS Training Materials\TeachMeGIS\GISFiles_2018\Intermediate_Pro\CTInter...
- MyProject
C:\Users\Goldblatt\Documents\ArcGIS\Projects\MyProject\MyProject.aprx
- Census2018TIGER
E:\Workspace\Census\2018\Census2018TIGER\Census2018TIGER.aprx
- DataHarvest2018
S:\InV\StoryMap Training Feb 2019\DataHarvestDocs\DataHarvest2018.aprx
- MyProject1
C:\Users\Goldblatt\Documents\ArcGIS\Projects\MyProject1\MyProject1.aprx
- Bing Test 1
E:\Workspace\BingBuildingFootprints\Bing Test 1\Bing Test 1.aprx
- MyProject14
C:\Users\Goldblatt\Documents\ArcGIS\Projects\MyProject14.aprx
- MyProject13
C:\Users\Goldblatt\Documents\ArcGIS\Projects\MyProject13.aprx
- Library_Districts2018
S:\InV\Workspace\ISL\LibraryDistricts2018\Library_Districts2018\Library_Districts2018.aprx
- MyProject11
C:\Users\Goldblatt\Documents\ArcGIS\Projects\MyProject11\MyProject11.aprx
- MyProject12
C:\Users\Goldblatt\Documents\ArcGIS\Projects\MyProject12\MyProject12.aprx

New

Blank Templates

- Map
- Catalog
- Global Scene
- Local Scene
- Start without a template
(you can save it later)

Recent Templates

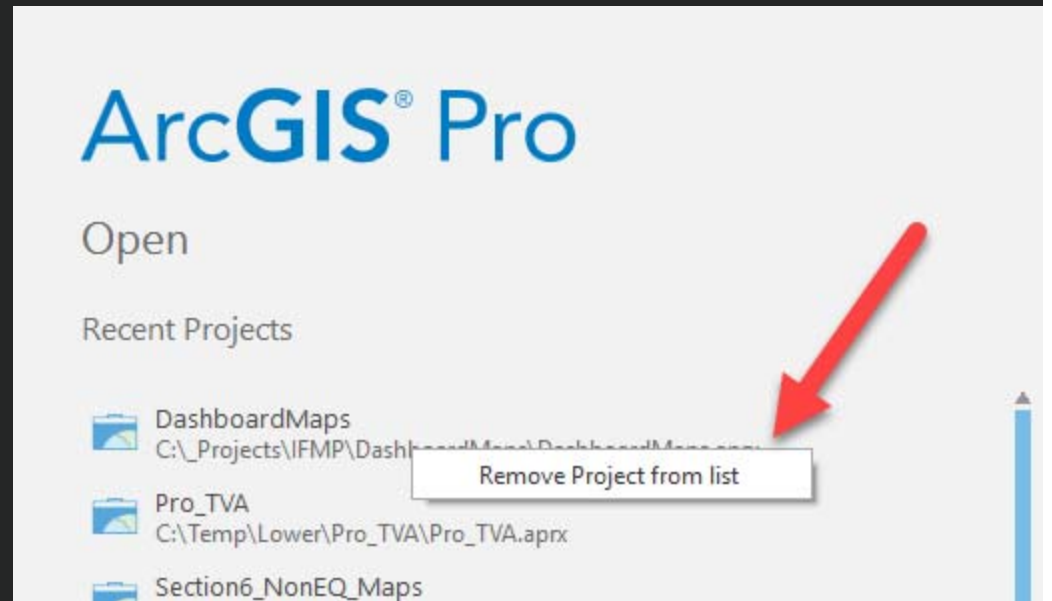
Your recent templates will appear here.

<https://pro.arcgis.com/en/pro-app/help/projects/create-your-own-project-template.htm>



Keeping It Clean

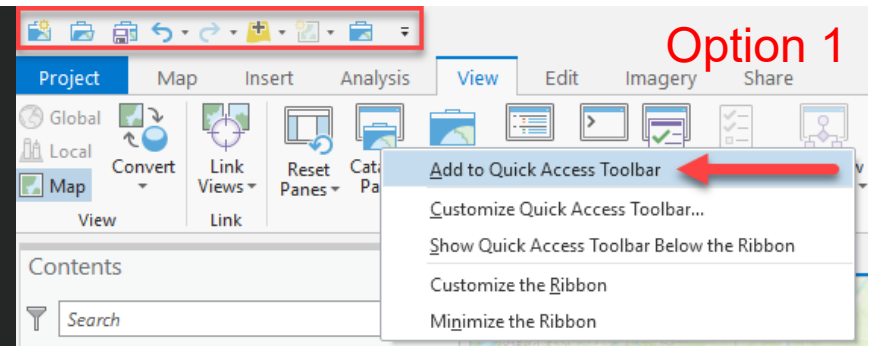
Right-click on projects to remove them from the list.



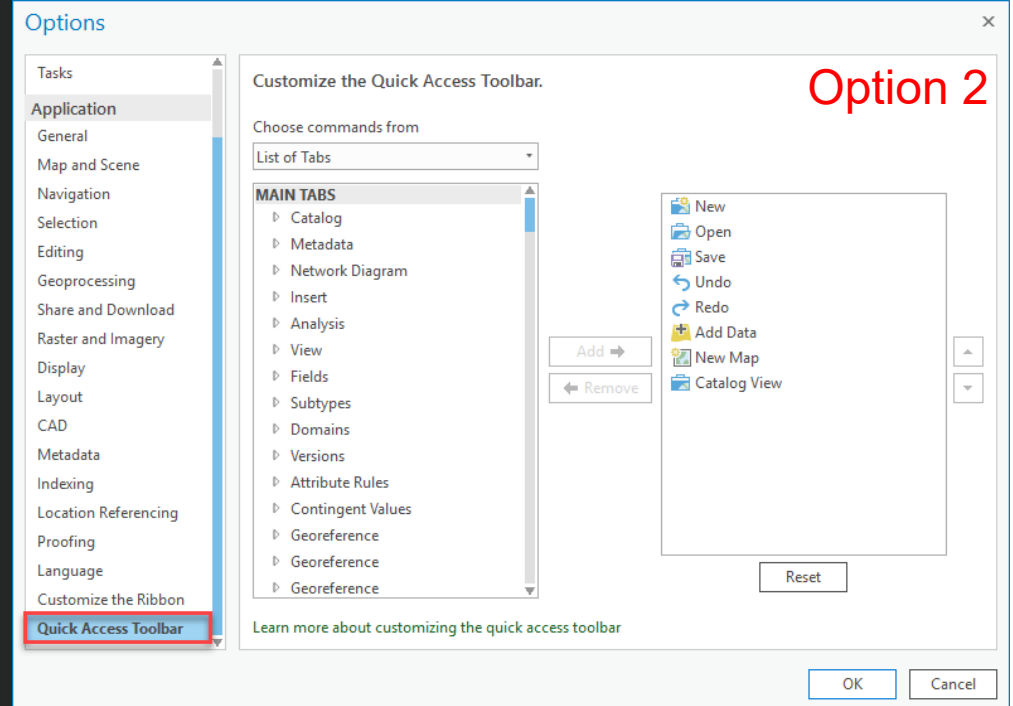
Quick Access Toolbar

2 ways to add to the quick access toolbar:

1. Right-click on any tool to add the tool to the Quick Access Toolbar.
2. Go to ArcGIS Pro Options and modify the Quick Access Toolbar.



Option 1

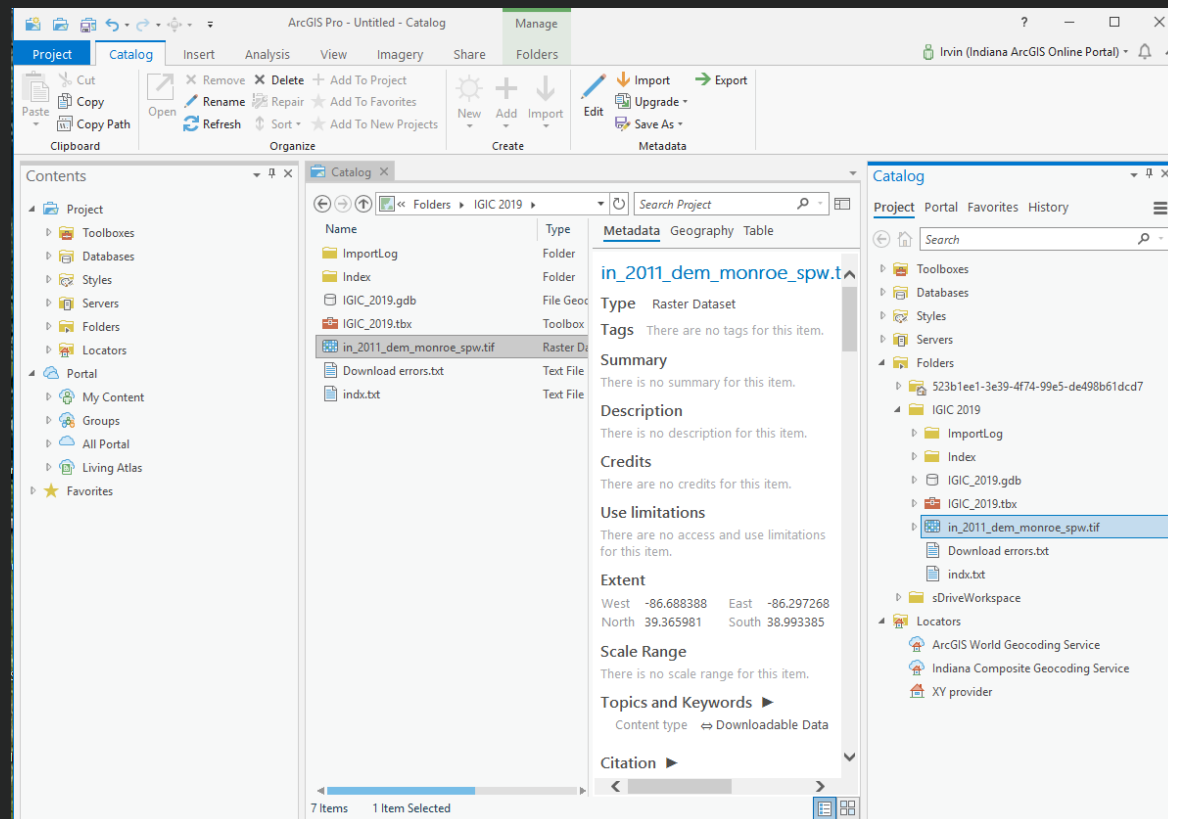


Option 2



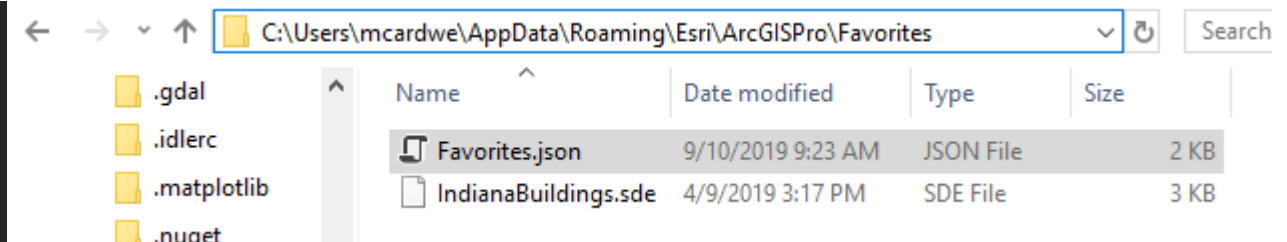
ArcCatalog Options

- Catalog View and Catalog Pane
- <https://pro.arcgis.com/en/pro-app/help/projects/the-project-pane.htm>
- Adding connections to Favorites and/or Add to New Projects



Favorites

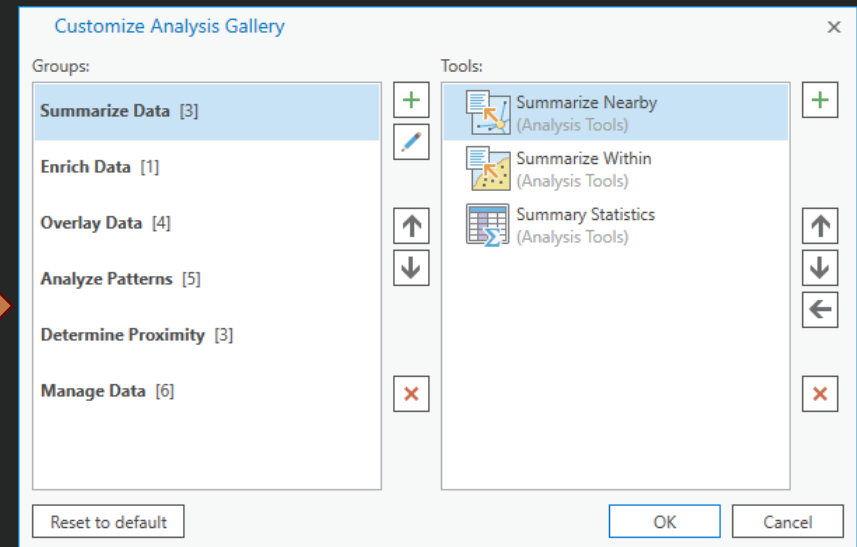
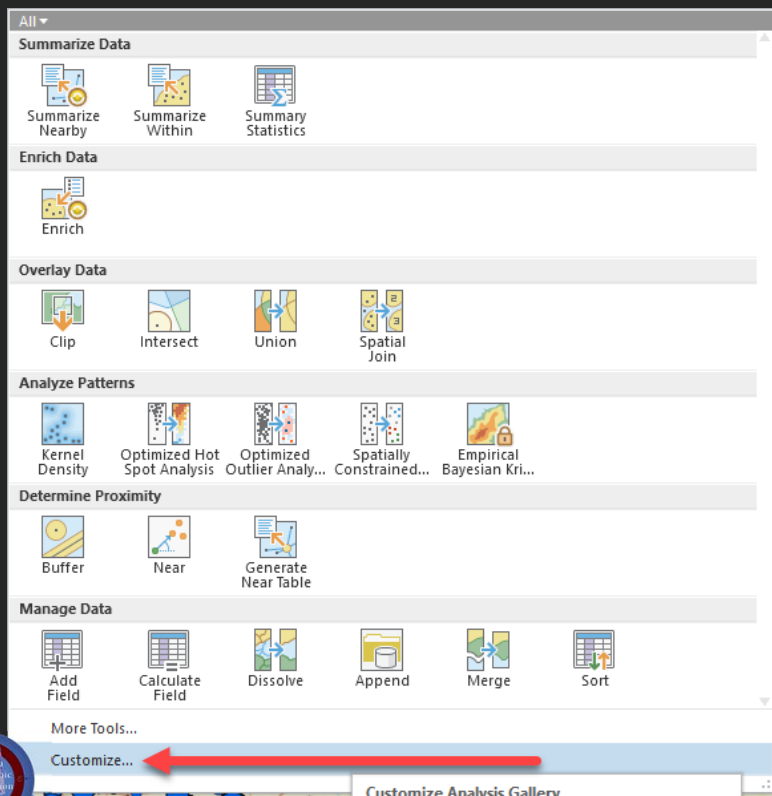
- Saved in
C:\Users\\AppData\Roaming\
Esri\ArcGISPro\Favorites
- Favorites.json stores all favorites,
including paths, names, and whether
they persist.
 - Great for sharing across
computers!



```
{
  "Items": [
    {
      "TypeId": "folder_general",
      "Path": "C:\\",
      "Id": "",
      "url": "",
      "name": "C:\\",
      "persistFavorite": false
    },
    {
      "TypeId": "folder_general",
      "Path": "P:\\",
      "Id": null,
      "url": null,
      "name": "\\in-polis-nas02\\projects (P:)",
      "persistFavorite": false
    },
    {
      "TypeId": "folder_general",
      "Path": "Q:\\",
      "Id": "",
      "url": "",
      "name": "Q:\\",
      "persistFavorite": false
    }
  ]
}
```



Customize Tools

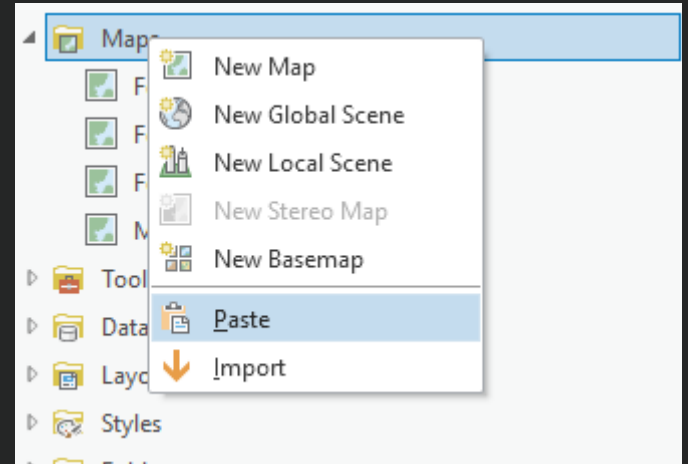
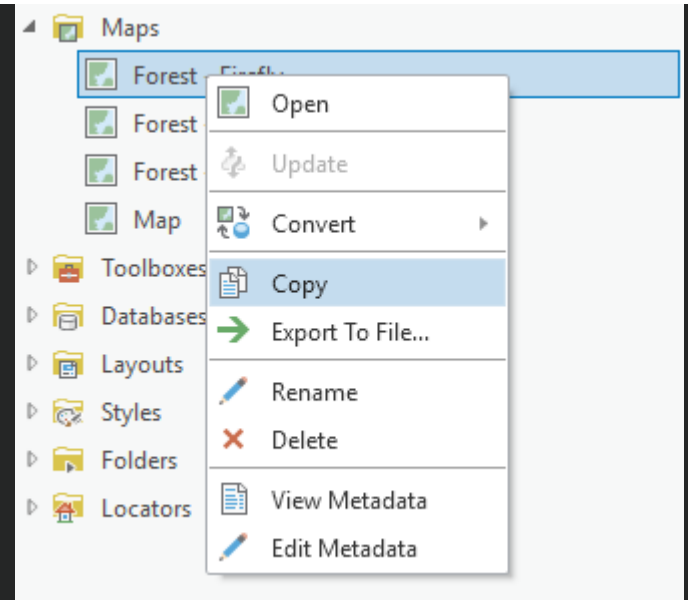


SECTION 2

Building Maps

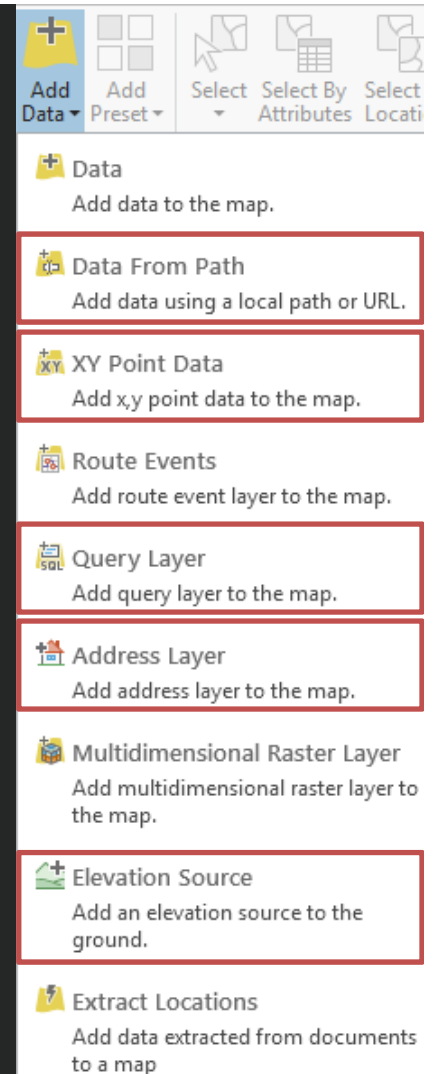
Copying and Pasting Maps

- In the Catalog Pane or View, right-click on the **Map** or **Layout** you want to duplicate. Select **Copy**, then right-click in the folder (**Maps** or **Layouts**) and right-click to **Paste**.
- Alternatively, use **CTRL-C** and **CTRL-V**.



Add Data Options

- **Data From Path:** service URL, Portal item, Catalog path, etc.
- **XY Point data:** add x,y data from spreadsheets, tables, etc.
- **Query Layer:** add layer or stand-alone table defined by SQL query.
- **Address Layer:** opens Geocode Addresses geocoding tool
- **Elevation Source:** sets map/scene elevation source



The screenshot shows the 'Add Data' menu in a GIS application. The menu is open, displaying several options. The options 'Data From Path', 'XY Point Data', 'Query Layer', 'Address Layer', and 'Elevation Source' are highlighted with red boxes. The 'Add Data' menu is located at the top left of the application window. The options are listed as follows:

- Add Data** (dropdown)
- Add Preset** (dropdown)
- Select** (dropdown)
- Select By Attributes** (dropdown)
- Select Locations** (dropdown)

The highlighted options are:

- Data**: Add data to the map.
- Data From Path**: Add data using a local path or URL.
- XY Point Data**: Add x,y point data to the map.
- Route Events**: Add route event layer to the map.
- Query Layer**: Add query layer to the map.
- Address Layer**: Add address layer to the map.
- Multidimensional Raster Layer**: Add multidimensional raster layer to the map.
- Elevation Source**: Add an elevation source to the ground.
- Extract Locations**: Add data extracted from documents to a map.



Finding Data on AGOL

Add Data

Portal > Living Atlas > Search Result for 'belgique' > belgique

Organize > New Item > Categories

Project

- Databases
- Folders
- Portal**
 - My Content
 - Groups
 - All Portal
 - Living Atlas
- Computer
 - Desktop
 - Documents
 - Downloads
 - C:\
 - \\in-polis-app25\GISData (G:)

Name	Type	Date
Wallonie - Cartes de Vander Maelen 1850	Map Image Layer	6/18/2014 9:4
BELGIUM - Density of population 2011	Tile Layer (Hosted)	6/18/2014 9:4
BELGIUM - Population 2011	Tile Layer (Hosted)	6/18/2014 9:4
Wallonie - Sites Natura 2000 en vigueur	Map Image Layer	6/18/2014 9:4
Wallonie - Carte de Ferraris	Map Image Layer	6/18/2014 9:4
Wallonie - Carte géologique	Map Image Layer	6/18/2014 9:4
Wallonie - Orthophoto 1994-2000	Map Image Layer	6/18/2014 9:5
Brussels - Orthophoto 1971	Map Image Layer	2/25/2016 8:1
Wallonie - Fond de carte N&B de l'IGN	Map Image Layer	6/18/2014 9:4
Brussels - Orthophoto 1930-1935	Map Image Layer	2/22/2016 3:3
Brussels - Orthophoto 2012	Map Image Layer	6/18/2014 9:4
BELGIUM - Population 2011	Feature Layer (Hos	6/18/2014 9:4

Find more items...

Name: Wallonie - Cartes de Vander Maelen 1850 | Default

OK Cancel



Graphics? Annotation?

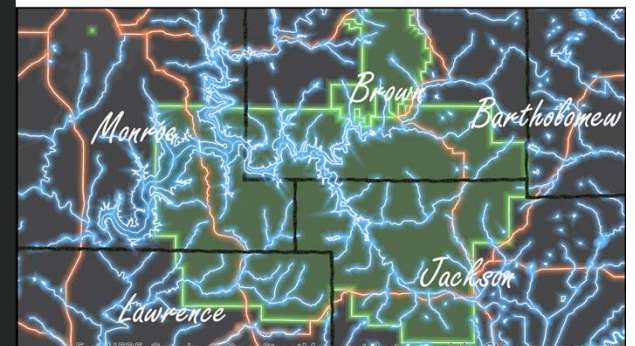
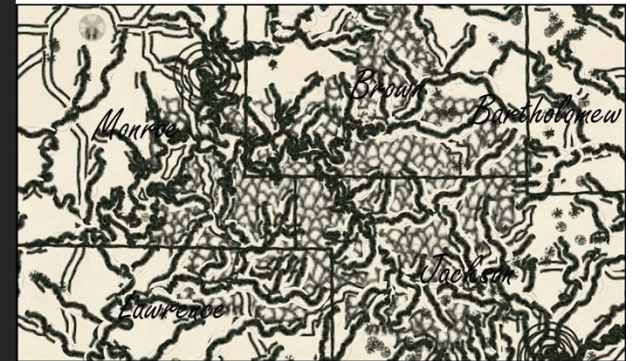
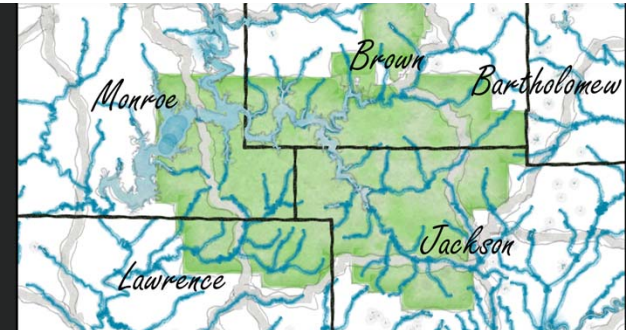
- Called **Map Notes** in Pro
- Create new Map Notes layer: **Insert** tab → **Layer Templates** group
- Create new note: **Edit** tab → **Features** group → **Create** button
- Edit note: **Edit** tab → **Features** group → **Modify** button

The screenshot displays the 'Create Features' pane in ArcGIS Pro. At the top, there is a row of six map note templates: Bright Map Notes, Dark Map Notes, Light Map Notes, Paired Map Notes, Pastel Map Notes, and Red Green Map Notes. Below this is another row of six options: Point Map Notes, Line Map Notes, Polygon Map Notes, and three Text Map Note options with different scale settings (1:1,000, 1:25,000, and 1:250,000+). The 'Create Features' pane is open, showing a search bar and a message: 'Click here to see templates not listed.' Under the 'Polygon Notes' section, there is a 'Text Notes - 1000' group containing a 'Text Note Callout' template. The 'Text Note Callout' template is selected, and its properties are shown in a light blue box. The text 'Collège Jean XXIII' is entered in the text field. Below the text field, there are icons for text alignment and a right-pointing arrow. At the bottom of the pane, there are three more text note templates: 'Text Note Medium' and 'Text Note Small'.

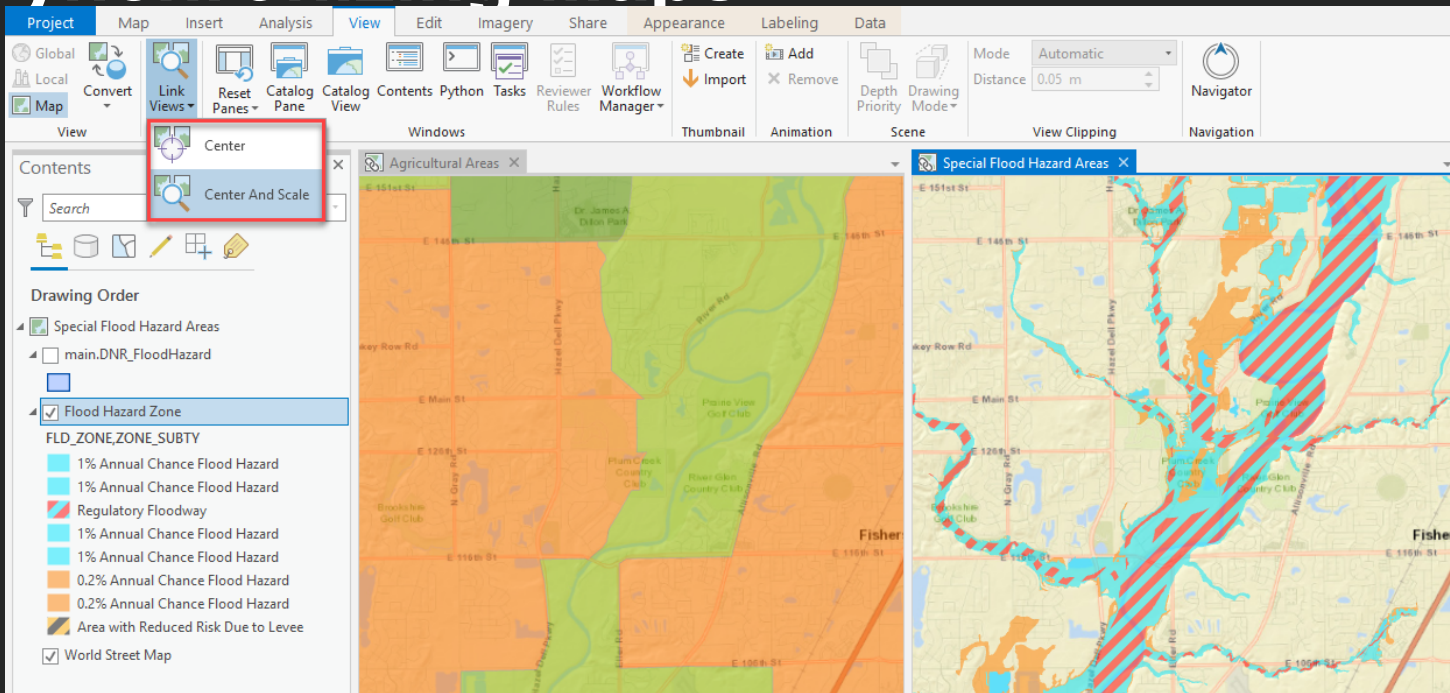


Playing with Styles

- Add **System Styles**
- Add **Styles**
 - Extensive styles available for download from <https://esri-styles.maps.arcgis.com/home/index.html>



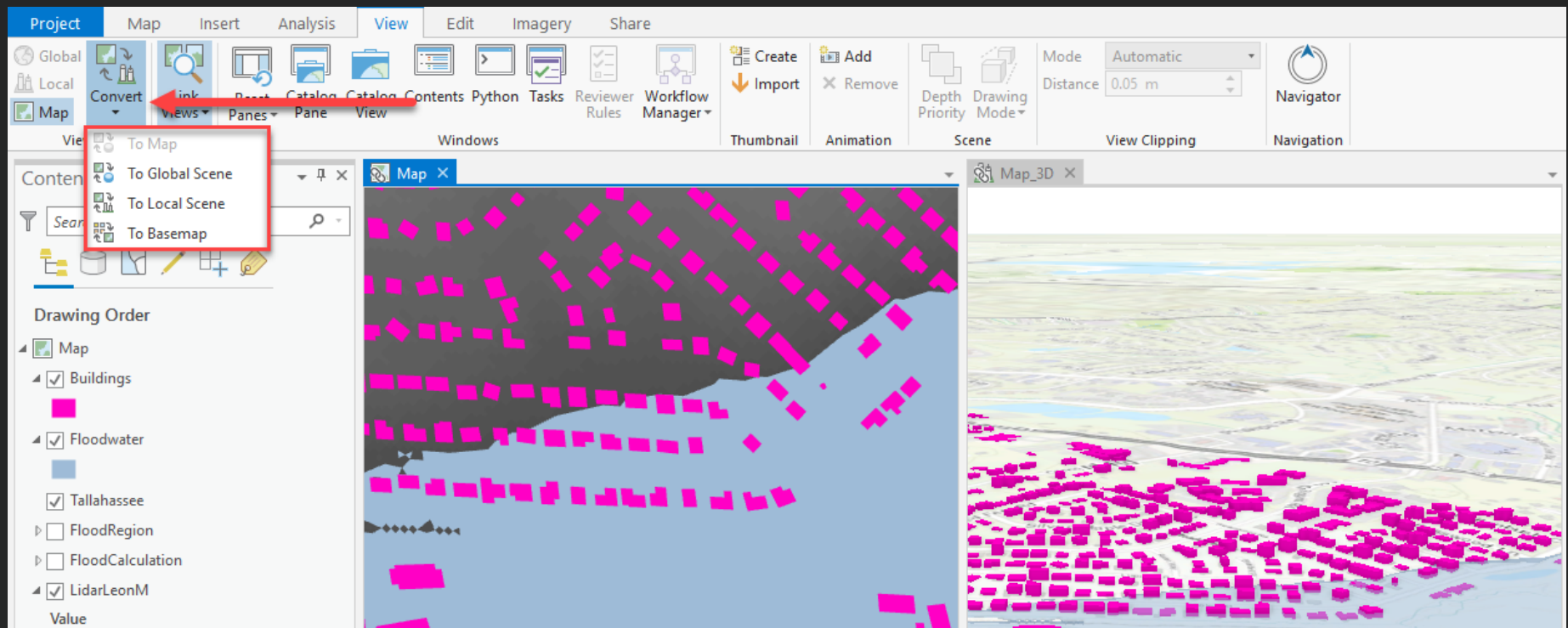
Synchronizing Maps



<https://pro.arcgis.com/en/pro-app/help/mapping/navigation/introduction-to-linked-views.htm>



2D/3D Sync & Conversion



<https://pro.arcgis.com/en/pro-app/help/mapping/navigation/introduction-to-linked-views.htm>



Layout Legend Counts

- In the Layout Contents pane, select the legend item.
- In the Legend Properties pane, check “Show feature counts” and add before and after text.

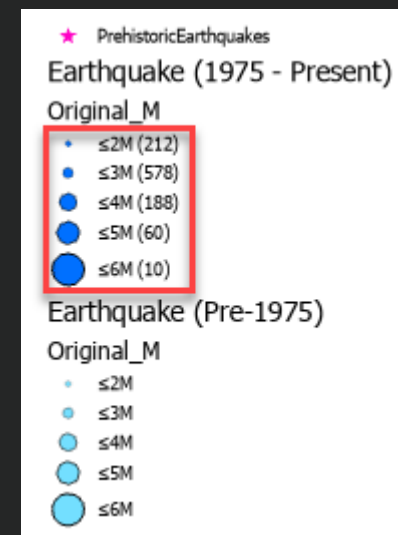
▼ Feature Display Options

Only show features visible in the map extent

Show feature counts

(Count)

Show thousands separator



SECTION 3

Sharing

Sharing Data & Maps

- Packages
 - Project Package (*.ppkx)
 - Map Package (*.mpkx)
 - Mobile Map Package (*.mmpk)
 - Geoprocessing Package (*.gpkx)
- Share to Web (Web Map, Web Layer)
- Export
- Save Map



Extract Package

Parameters Environments

* Input Package

* Output Folder

Cache Package

Package Project

Parameters Environments

Input Project
C:\Users\mcardwe\Documents\Polis\Presentatic

* Output File

Share outside of organization

Package as template

Extent
Default

Apply Extent only to enterprise geodatabase layers

Additional Files

Summary

Tags

Package version Select All

All versions

Current version

2.1

2.2

2.3

Include Toolboxes

Include History Items
History items will be included

Online Resources

Online ArcGIS Pro Resources

- **Training Resources:** <https://www.esri.com/training/catalog/search/>
- **Learn ArcGIS:** <https://learn.arcgis.com/en/gallery/>
- **Online Help:** <https://pro.arcgis.com/en/pro-app/help/main/welcome-to-the-arcgis-pro-app-help.htm>
- **Esri Blogs:** <https://www.esri.com/en-us/news-publications/newsroom/blogs>
- **Conference Videos:** https://www.youtube.com/watch?v=Y_o4D5Z4nB8,
<http://proceedings.esri.com/library/userconf/proc19/tech-workshops.html>



Tips & tricks from the audience

Presentation Link:

<https://iu.box.com/v/GISDay2019ProTips>



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FULFILLING *the* PROMISE

