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ArcGIS Platform Introduction
ArcGIS Pro: Tips and Tricks

OSU Presentation to FE 257, Feb 3,2020

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jsharrard@esri.com

SEE WHAT OTHERS CAN'T

Topics for FE 257 Presentation

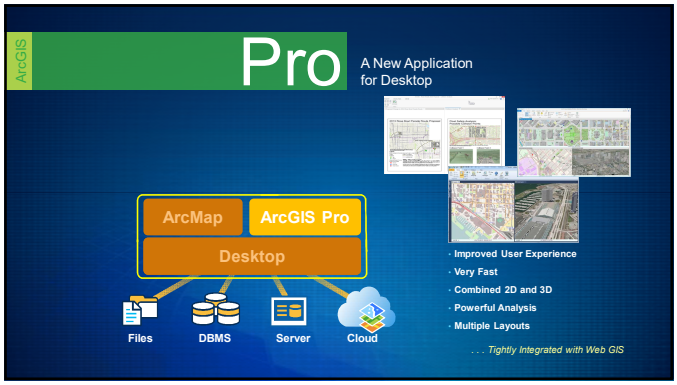
- Introduction to ArcGIS Platform Basics
- Web GIS
- ArcGIS Pro – Tips and Tricks
- Q & A

ArcGIS

Platform

Enabling GIS Everywhere

Simple
Integrated
Open


ArcGIS
Pro
A New Application for Desktop
ArcMap
ArcGIS Pro
Desktop
Files
DBMS
Server
Cloud
· Improved User Experience
· Very Fast
· Combined 2D and 3D
· Powerful Analysis
· Multiple Layouts
. . . Tightly Integrated with Web GIS

Let's start simply.
What's Web GIS?

ArcGIS Enterprise is
Foundational
Powerful
Flexible
Collaborative
Desktop GIS
All work is done on your local machine.
Web GIS
Everyone's work is done by the back-end server infrastructure.
Shared GIS portal in web browser

ArcGIS Enterprise is Foundational Powerful Flexible Collaborative

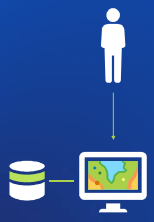
Web GIS is not a replacement for Desktop GIS.

It's the central tier in a modern GIS ecosystem.

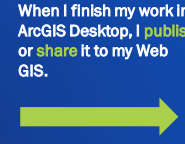
ArcGIS Enterprise is Foundational Powerful Flexible Collaborative

Desktop GIS

Web GIS



When I finish my work in ArcGIS Desktop, I publish or share it to my Web GIS.



ArcGIS Enterprise is Foundational Powerful Flexible Collaborative

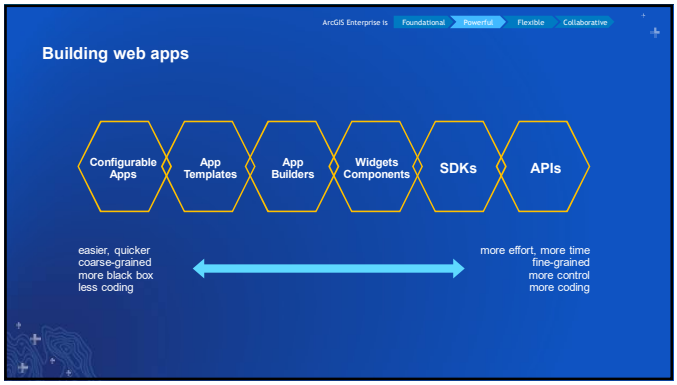
Three components of Web GIS

Front-end portal
- Share content from desktop GIS
- View and work with content in a map viewer
- Bring in GIS items from web
- Produce outputs (maps, apps, reports)

Back-end server
- Run GIS services that power your items
- Handle all requests (zoom a map, find a location, run an analysis tool)
- Scale processes based on traffic

Data store(s)
- Host the data referenced by your items
- Facilitate instant data retrieval
- (Sometimes) Allow data editing from portal

ArcGIS Enterprise is
Foundational
Powerful
Flexible
Collaborative
ArcGIS Online
ArcGIS Pro
ArcGIS Desktop
ArcGIS Enterprise
ArcGIS Apps
Geo-Enabled Systems
ArcGIS for Developers


ArcGIS Enterprise is
Foundational
Powerful
Flexible
Collaborative
Building web apps
Configurable Apps
App Templates
App Builders
Widgets Components
SDKs
APIs
easier, quicker
coarse-grained
more black box
less coding
more effort, more time
fine-grained
more control
more coding

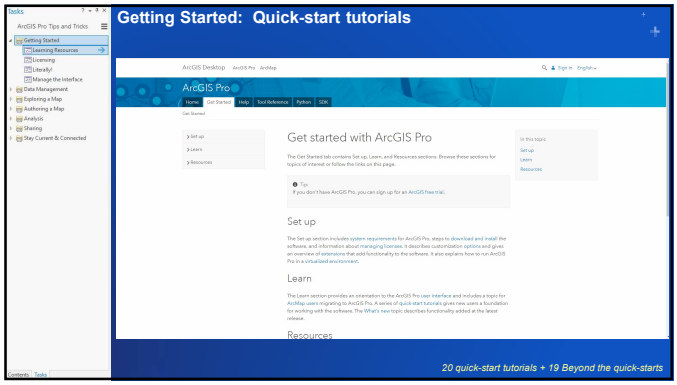
ArcGIS
Apps
Support
Common Tasks
Collection / Editing
Viewing
Mapping
Analysis
Awareness
Communication
Dashboard
Collector*
Explorer*
Insight
Open Data
Viewer
Story Maps
Web App Builder
New
. . . A Core Part of the Platform

ArcGIS
Solutions
Industry Template Apps, Maps, and Platform Configurations
· Free to Users
· Easily Configured
· Fully Supported
· Open Source
Military & Security
Emergency Management
Utilities
Government
For End Users and Developers . . .
. . . Improving Productivity and Leveraging Best Practices

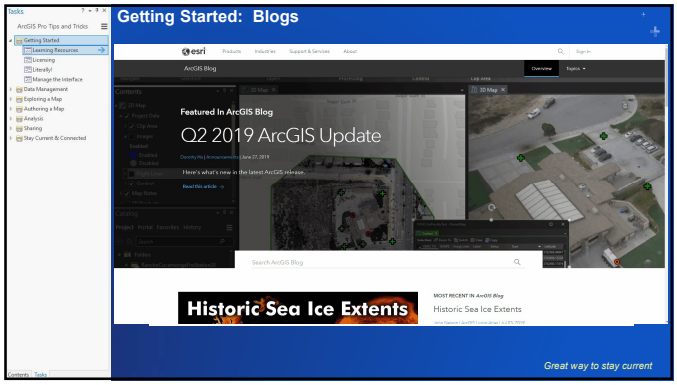
Getting Started
esri
ArcGIS® Pro
Initializing

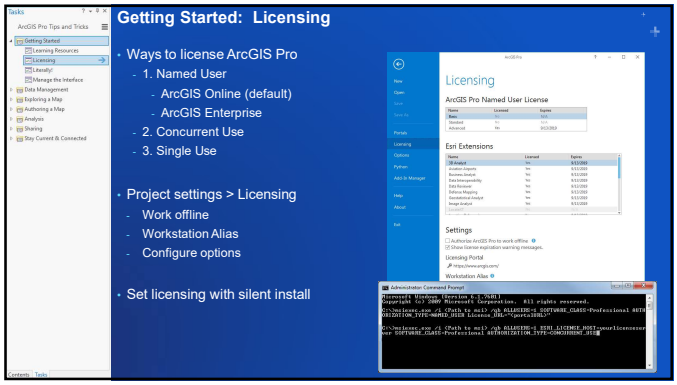
Getting Started: Learning resources
Esri.com/training
Learn ArcGIS your way
Search for the training you need
180+ results including web courses, videos, learning plans, tutorials, and instructor-led courses

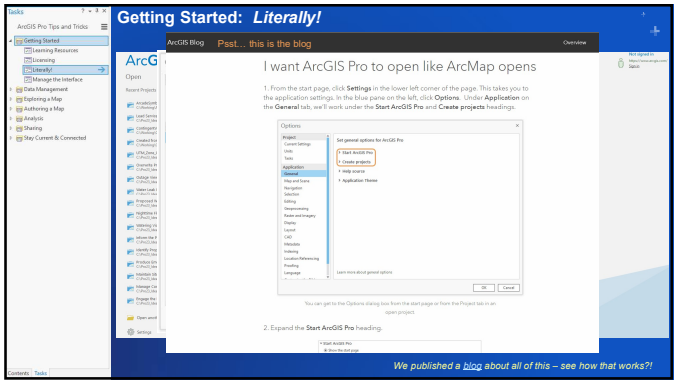
Getting Started: Learning resources
Learn.arcgis.com
Learn ArcGIS
Guided lessons based on real-world problems
New Lessons
76 lessons where Product = ArcGIS Pro and in multiple languages!

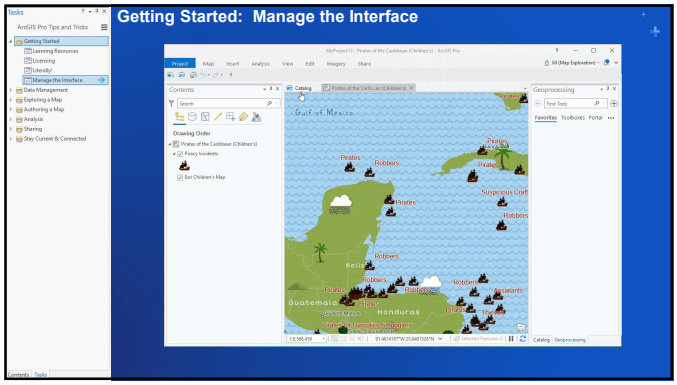

Getting Started: Quick-start tutorials
ArcGIS Pro
Get started with ArcGIS Pro
Set up
Learn
Resources
20 quick-start tutorials + 19 Beyond the quick-starts

Getting Started: Books
GIS Tutorial 1 for ArcGIS Pro
Understanding GIS
FOCUS ON GEODATABASES
Mapping with Altitude: Designing 3D Maps
ArcGIS PRO
Switching to ArcGIS Pro from ArcMap
Always lots to learn!

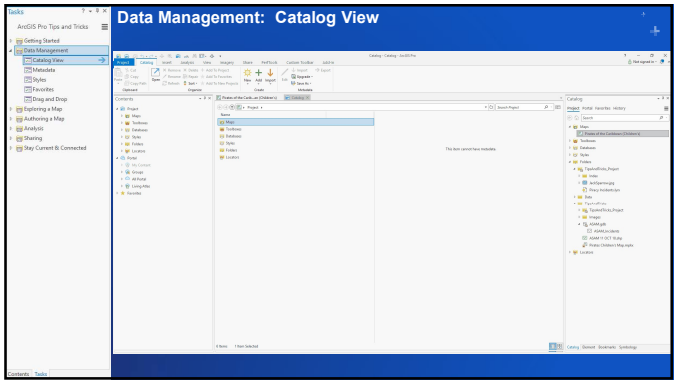

Getting Started: Blogs
Featured In ArcGIS Blog
Q2 2019 ArcGIS Update
Historic Sea Ice Extents
Historic Sea Ice Extents
Great way to stay current

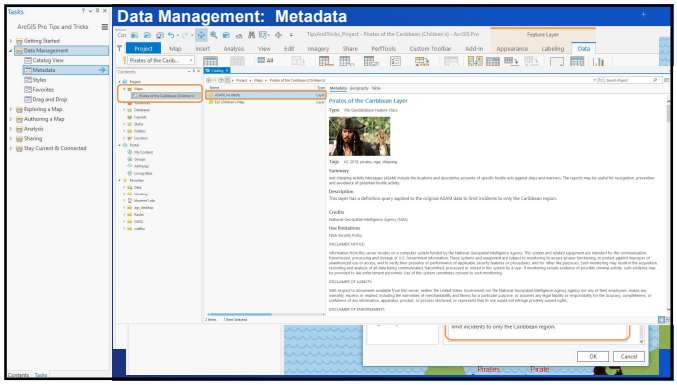

Getting Started: Licensing
Ways to license ArcGIS Pro
1. Named User
ArcGIS Online (default)
ArcGIS Enterprise
2. Concurrent Use
3. Single Use
Project settings > Licensing
Work offline
Workstation Alias
Configure options
Set licensing with silent install
Licensing
ArcGIS Pro Named User License
Esri Extensions
Settings

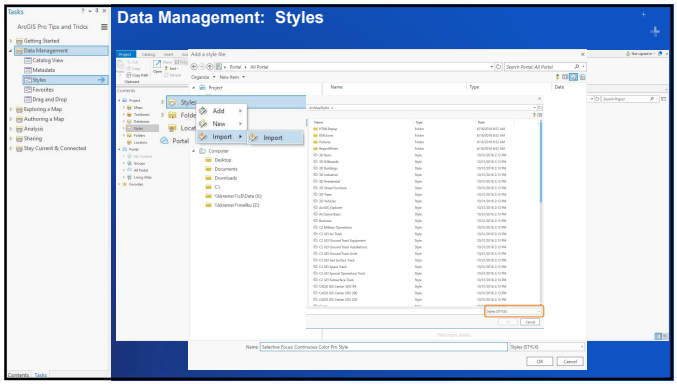

Getting Started: Literally!
Psst... this is the blog
I want ArcGIS Pro to open like ArcMap opens
We published a blog about all of this – see how that works?!

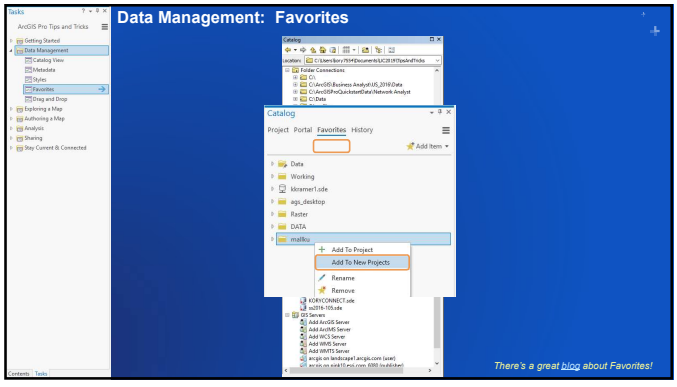


Data Management

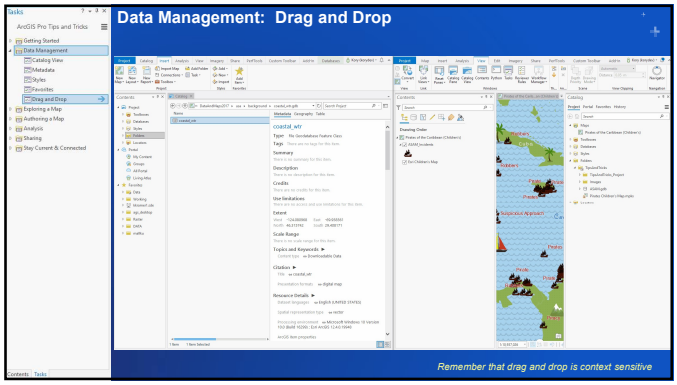


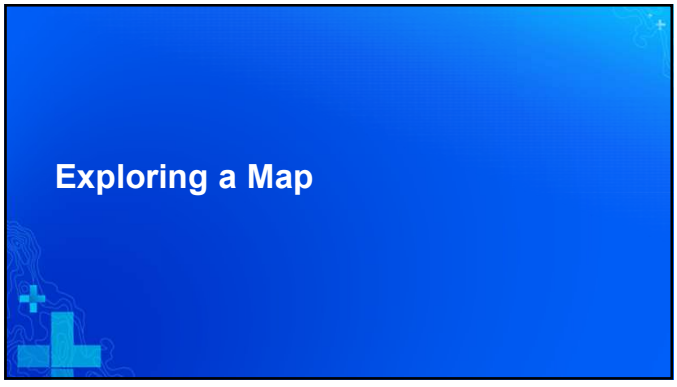

Data Management: Metadata


Data Management: Styles

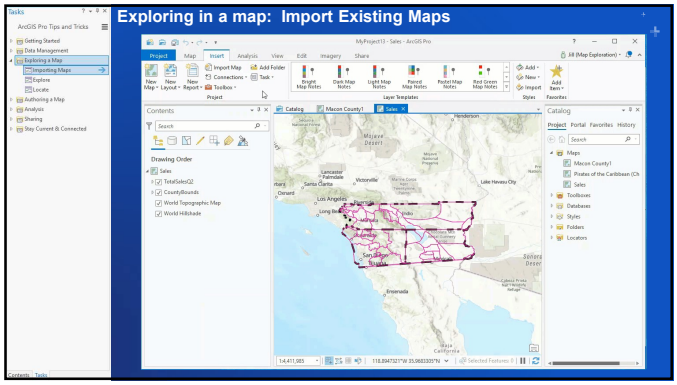

Data Management: Favorites
There's a great blog about Favorites!

Data Management: Dragon Drop
Dragon Drop
Play
Options
Exit

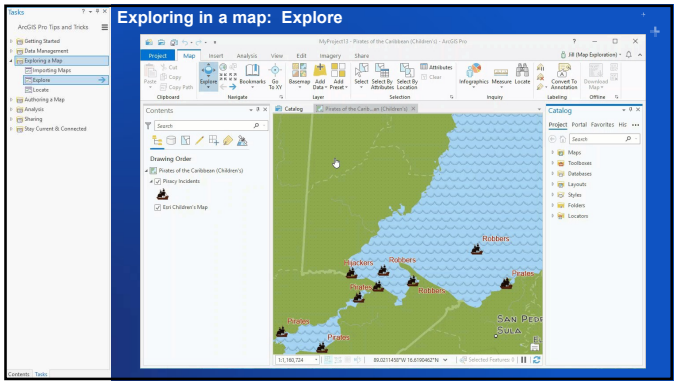

Data Management: Drag and Drop
Remember that drag and drop is context sensitive


Exploring a Map

Exploring in a map: Import Existing Maps



Exploring in a map: Explore

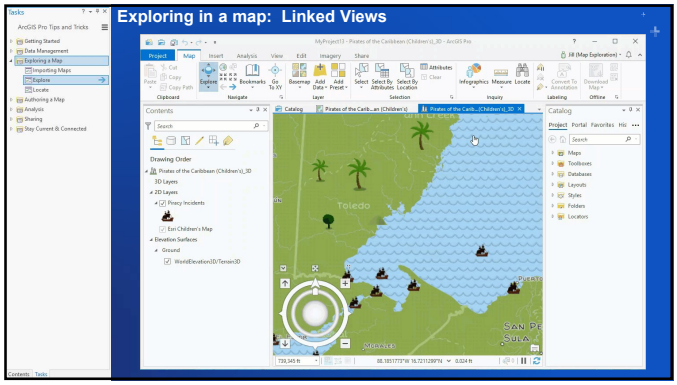


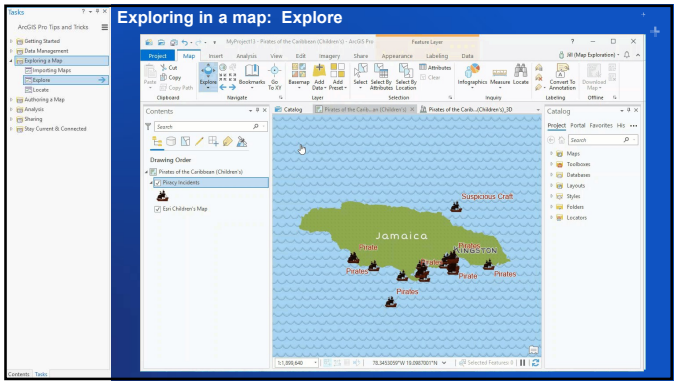
Exploring in a map: The On-Screen Navigator

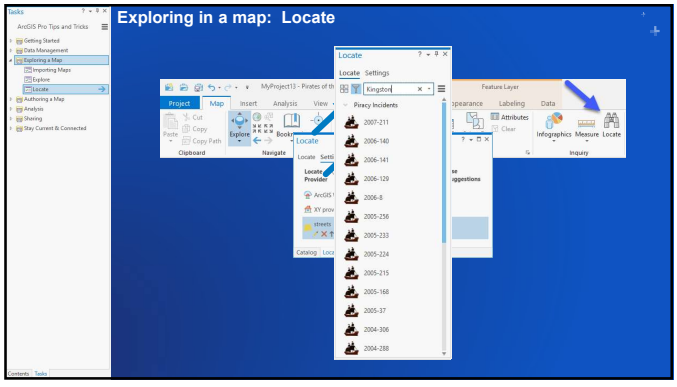
2D

3D

Action	In 2D	In 3D
Pan the view	X	X
Rotate the view	X	X
Zoom in and out	X	X
Turn to face North, South, East, or West	X	X
Pivot around the target point in all three axes		X
Move the camera up and down		X
Look around from the current camera position		X


Exploring in a map: Linked Views

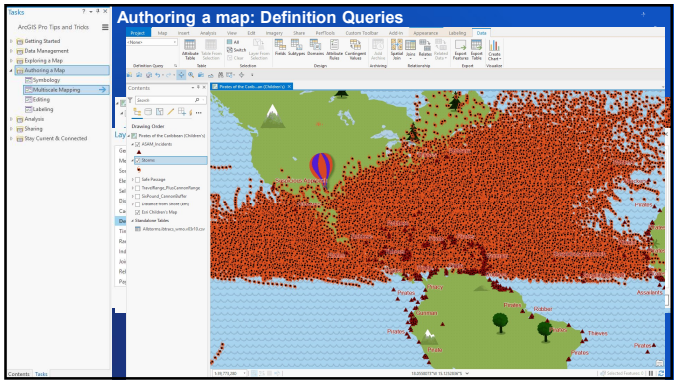

Exploring in a map: Explore
Suspicious Craft
Jamaica
Pirates
KINGSTON

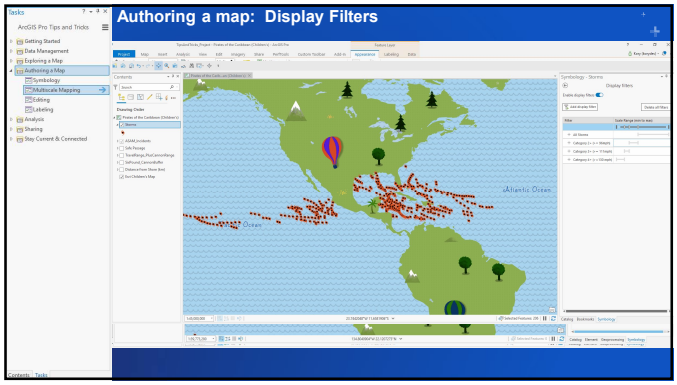

Exploring in a map: Locate
Locate
Locate Settings
Kingston
Piracy Incidents

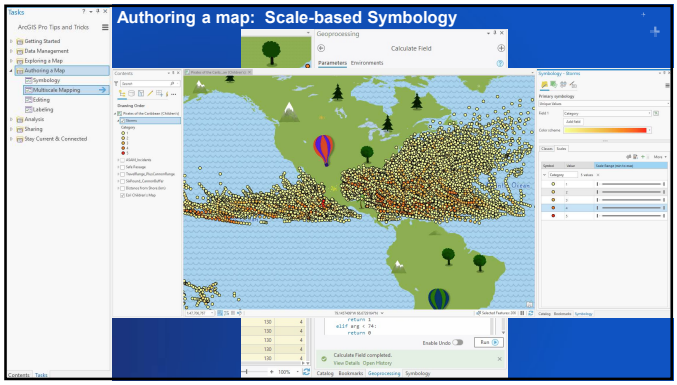
Authoring a Map

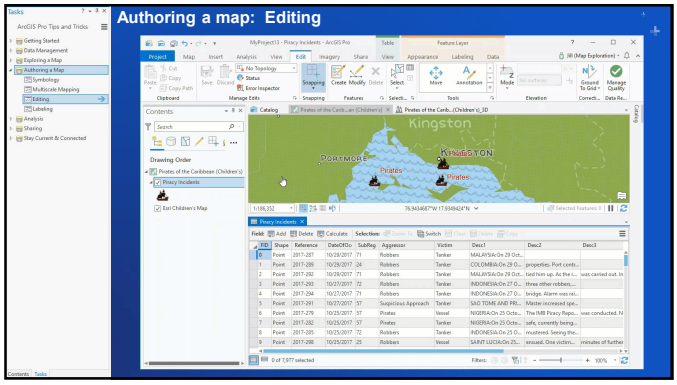
Authoring a map: Symbology

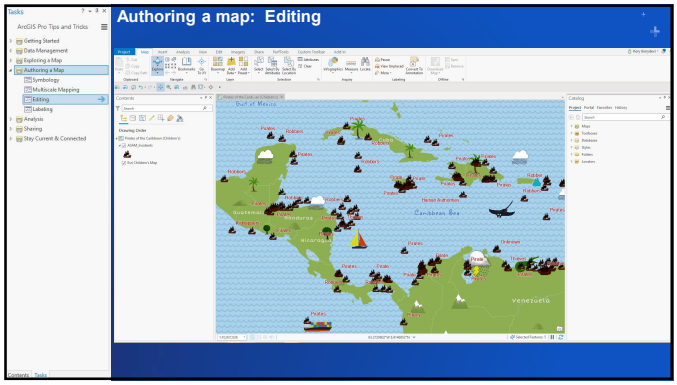
Authoring a map: Definition Queries

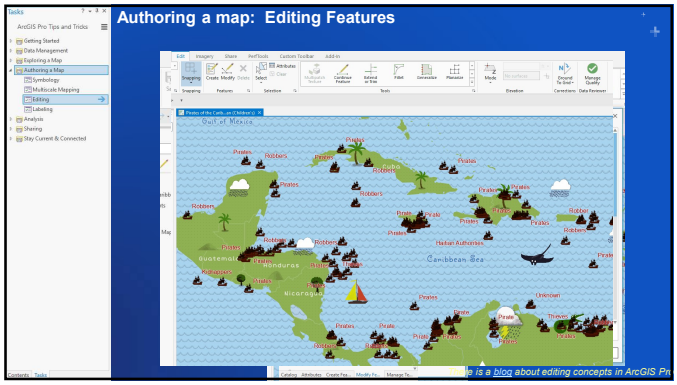


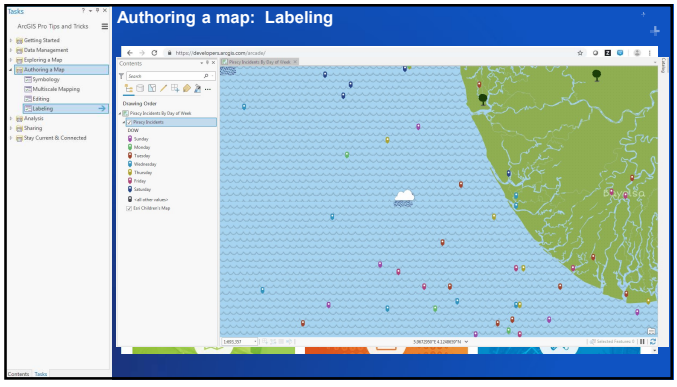

Authoring a map: Display Filters


Authoring a map: Scale-based Symbology

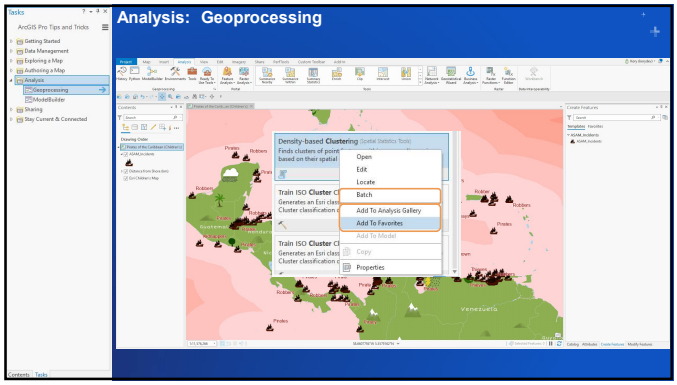

Authoring a map: Editing
Kingston
PORTMORE
KINGSTON
Pirates

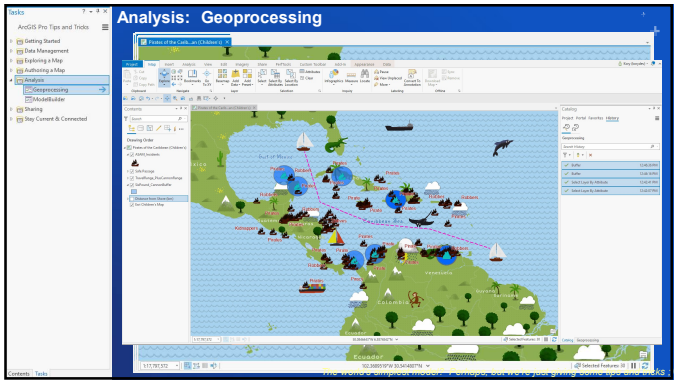

Authoring a map: Editing


Authoring a map: Editing Features

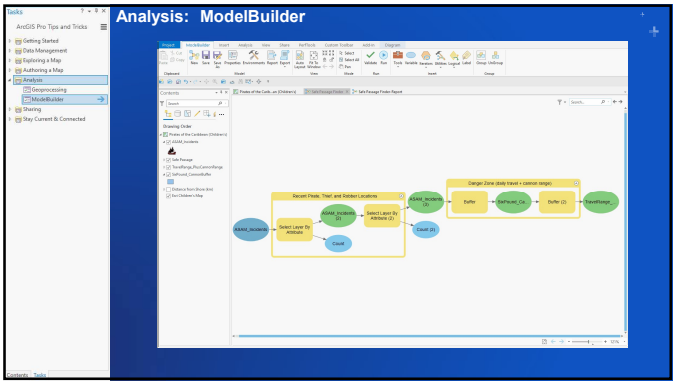

Authoring a map: Labeling

Analysis


Analysis: Geoprocessing
Density-based Clustering
Open
Edit
Locate
Batch
Add To Analysis Gallery
Add To Favorites
Add To Model
Copy
Properties

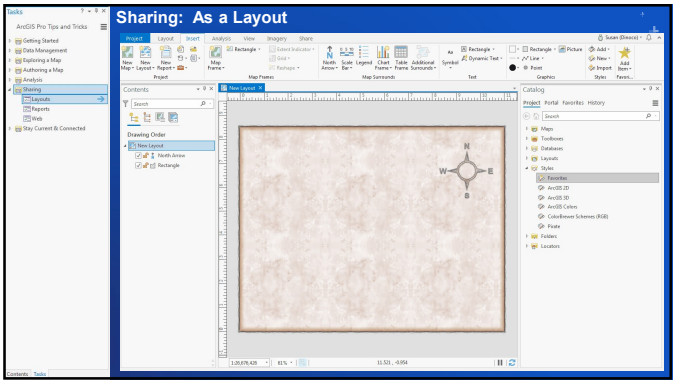

Analysis: Geoprocessing

Analysis: ModelBuilder

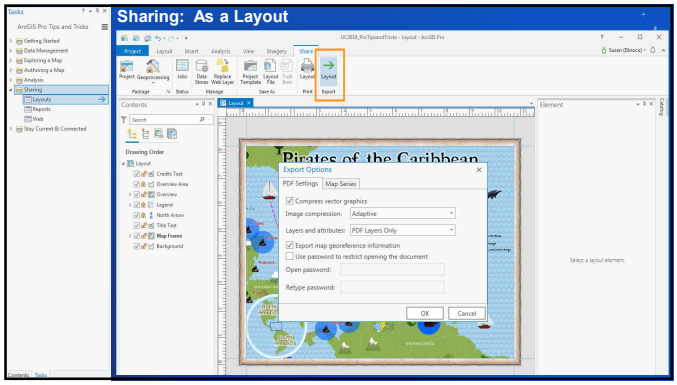


Sharing

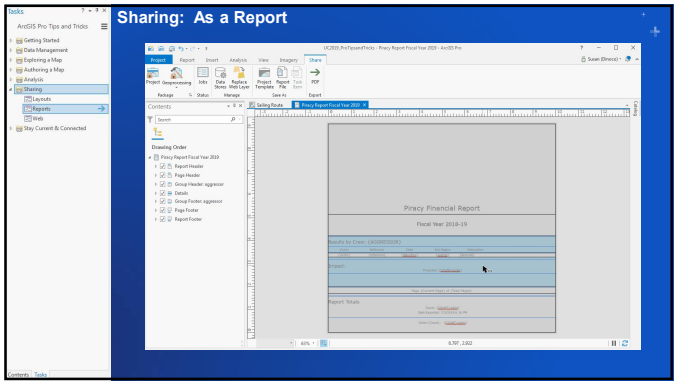
Sharing: As a Layout



Sharing: As a Layout

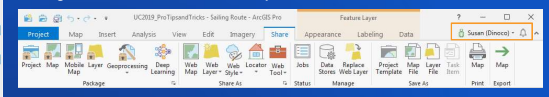


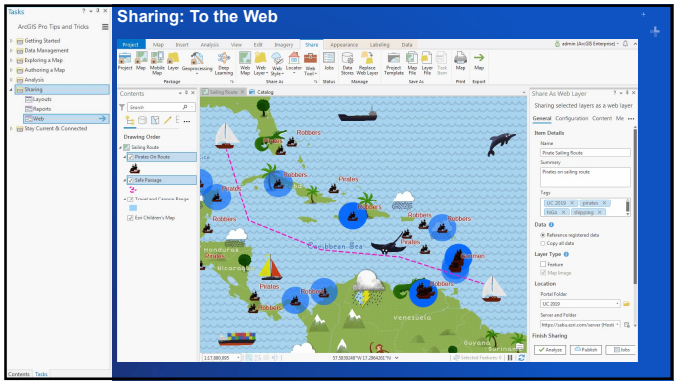
Sharing: As a Report

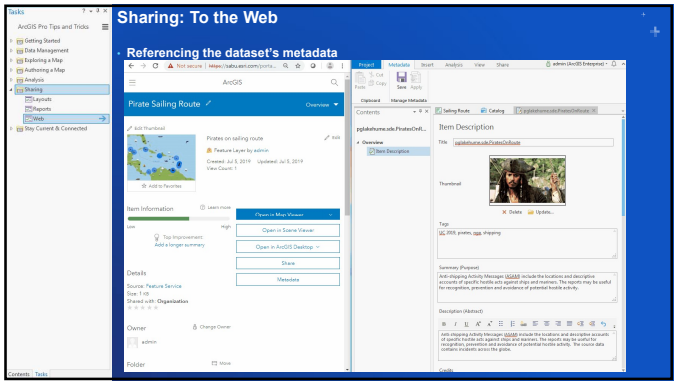


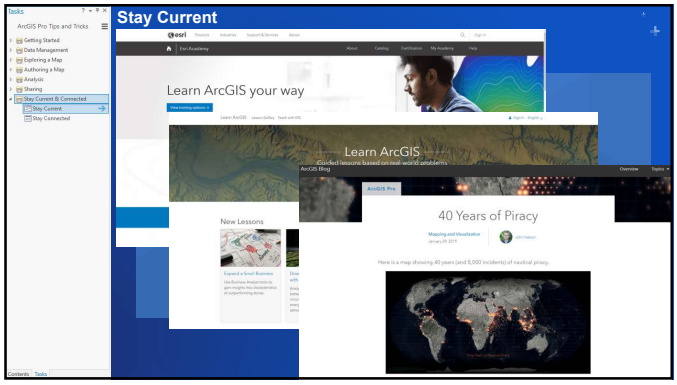
Sharing: To the Web

- Sharing to ArcGIS Online or ArcGIS Enterprise




Sharing: To the Web


Sharing: To the Web
Referencing the dataset's metadata


Stay Current
Learn ArcGIS your way
Learn ArcGIS
New Lessons
40 Years of Piracy

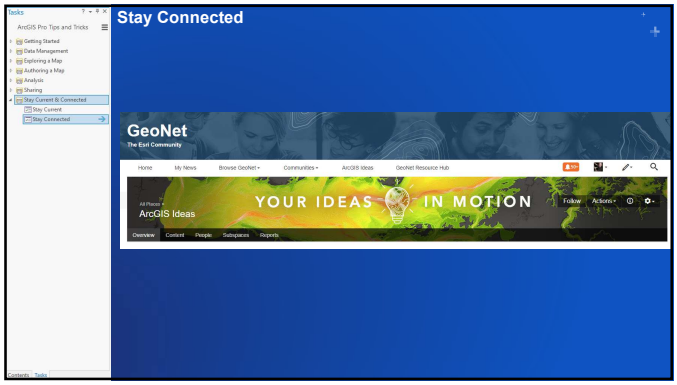
ArcGIS Pro Roadmap

go.esri.com/ProRoadmap

Near-term	Mid-term	Long-term
• Offset Printing • Replication Workflows • Parcel Adjustment • Voxel Layers • Tie Point Manager • Geoprocessing Leveraging Spatial Databases • Python Notebooks • Geoprocessing Scheduler • Scripting Metadata • Hydro Networks • Create Network Dataset • Multidimensional Raster Improvements • Interactive Suitability Modeling	• Projects in the Enterprise • Animated Symbols • Material Textures • Multipatch Editing in Stereo • Layer Blend Modes • Presentations • GPS Support • Dynamic Feature Clustering • Voxel Layer Sharing • Map Graphics • New Extensions	• Terrain Editing • 3D Mesh as ground • High Fidelity rendering

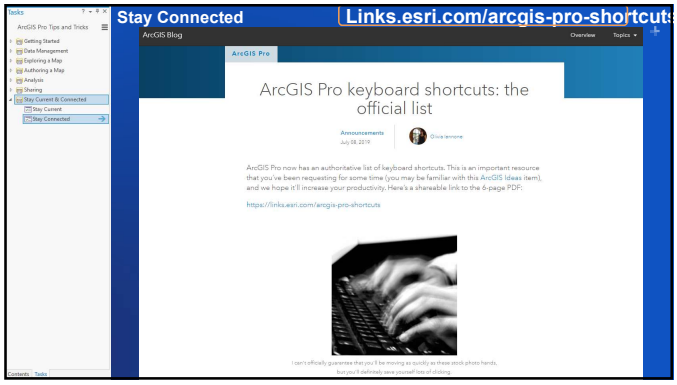
July 2019

Stay Connected



Stay Connected

Links.esri.com/arcgis-pro-shortcuts



PARLEY
(DISCUSSION)
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