How we went Pro: SRP's journey in adopting ArcGIS Pro.

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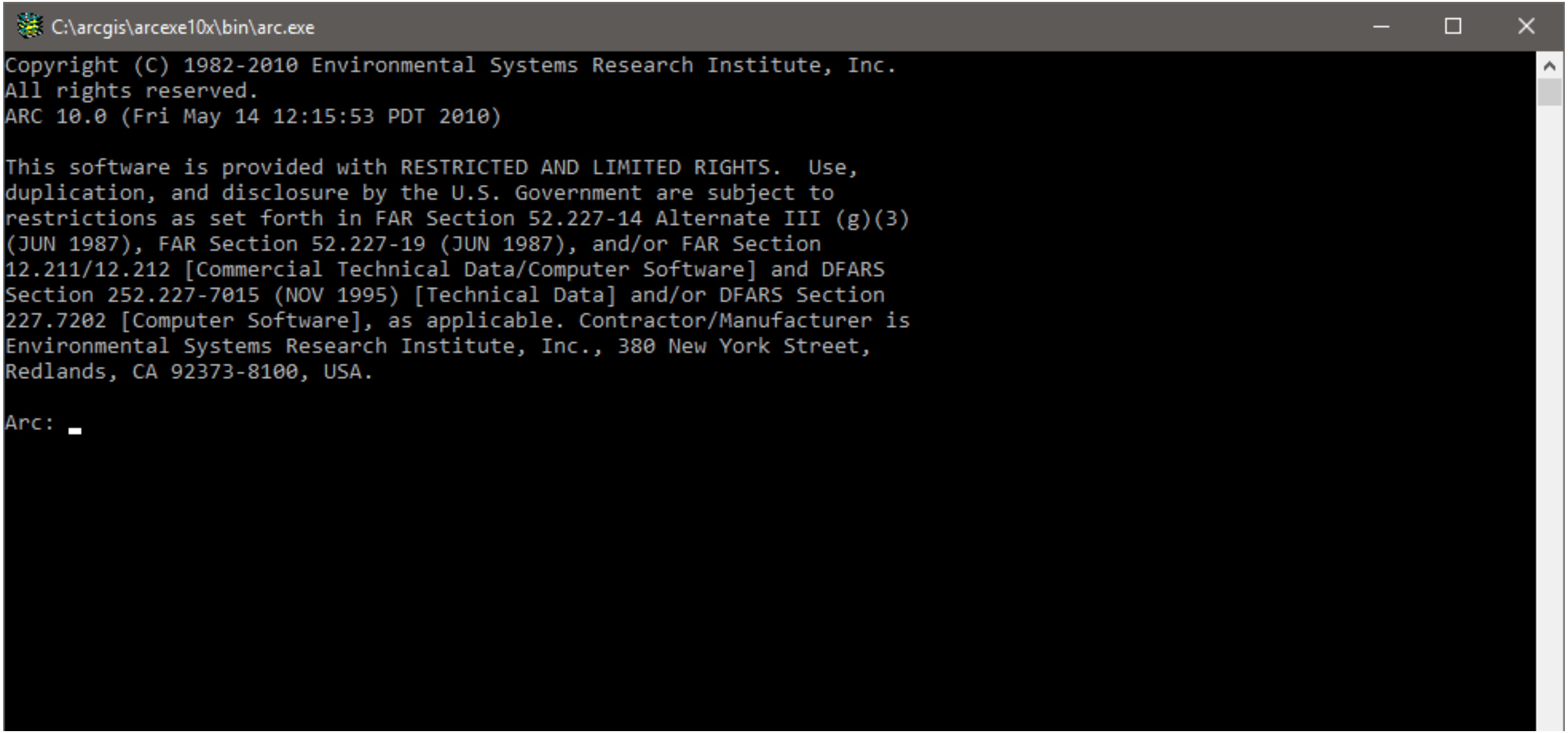
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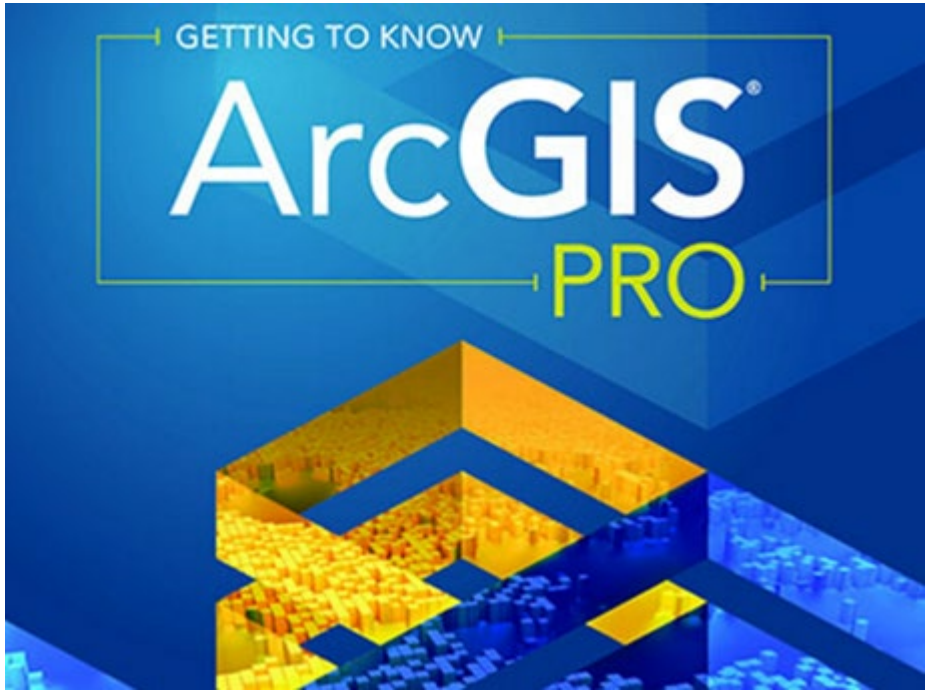
Agenda

- Overview: Salt River Project (SRP)
- Strategic Testing Plan
- Grass Roots Effort “Sub-Group”
- Development Opportunities
  - ArcGIS Pro SDK
  - Python 3.6
- Training Strategy
- Deployment
- Utilization



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SRP: Community-based not-for-profit Energy Company, Phoenix AZ

Water

- 375 sq. mi. service area
- 13,000 sq. mi. Watershed
- 2.3 + million acre-feet storage capacity

Power

- 2,900 sq. mi. service area
- 1 Million + Customers
- 8,000 + MW generation capacity

Team

- 5,000 + Employees
- *Forbes* Top Employer 2019
- https://www.srpnet.com/

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Overview of GIS at SRP

Cartographic & GIS Services

- Division of Community, Communications & Marketing
- Water System GIS
- Environmental Compliance GIS
- Internal & External Custom Mapping & Analysis

Enterprise Spatial & Mobility Services

- Division of Information Technology Services
- GIS Infrastructure Support
- Electrical System GIS
- Web GIS & Mobile Application Development

Other GIS Maintenance

- Corporate Secretary's Office
- Distribution Services & Operations
- Transmission Line Design
- Land Department

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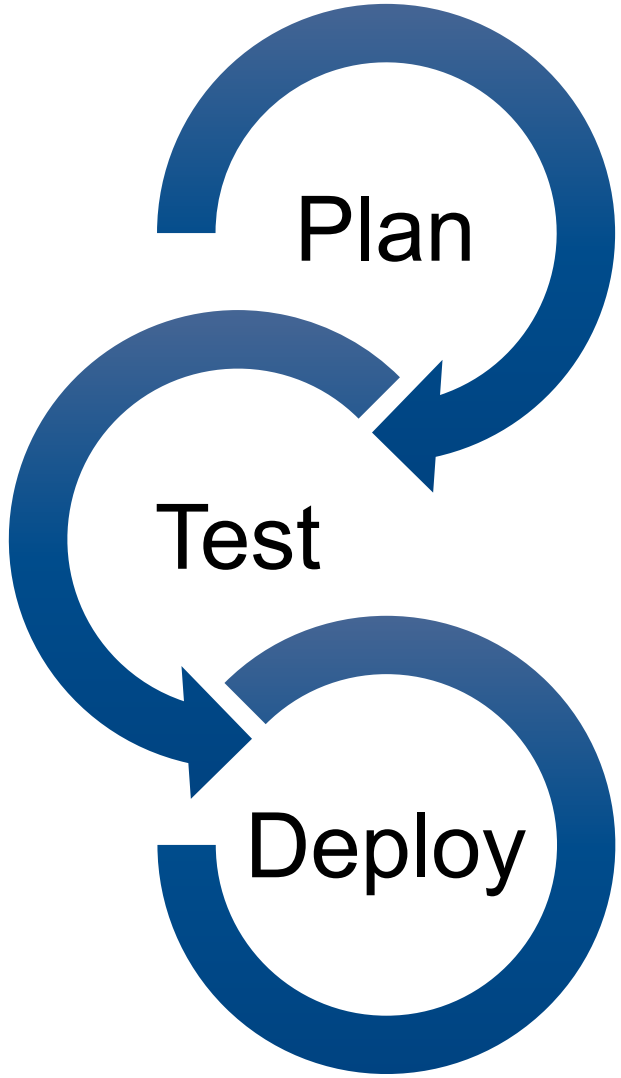
ArcGIS Pro Strategic Testing Plan: April 2017

- Life Cycle for ArcGIS Desktop 10.5
- Define Areas of Testing
- Determination for Deployment



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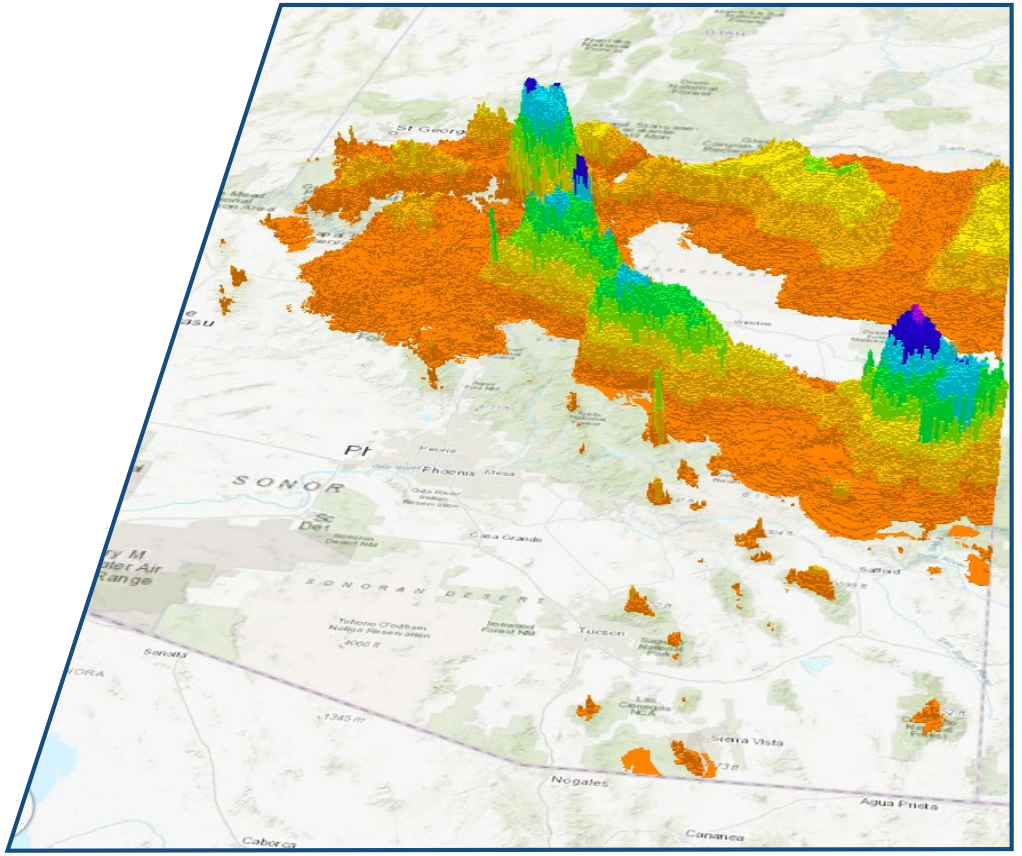
ArcGIS Pro Sub-Group: May 2017 – August 2018

10 Members

- All analysts level
- Wide breadth of knowledge, experience & expertise

Monthly Meetings

- Teleconference as needed



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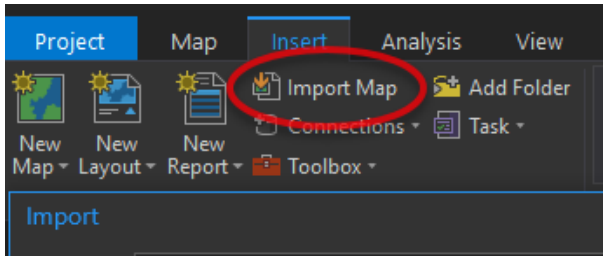
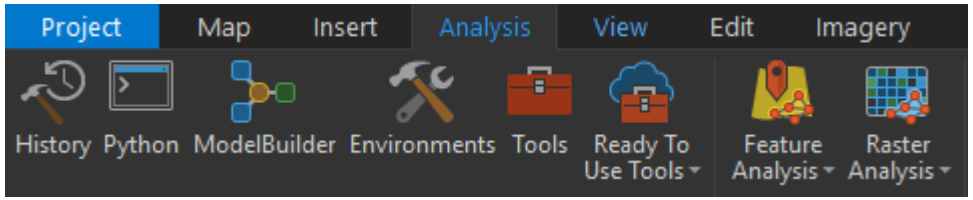
ArcGIS Pro Sub-Group Strategic Testing

- Desktop (Windows) rollout
- Conversion from prior .mxd
- Editing & Geoprocessing functionality
- Web connectivity





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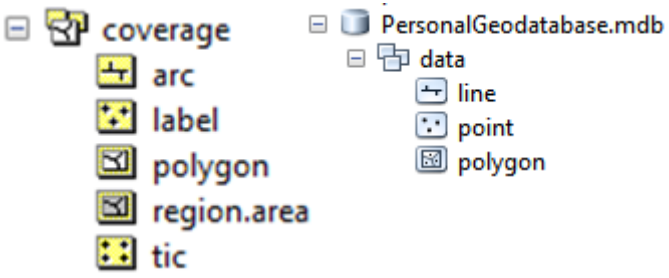
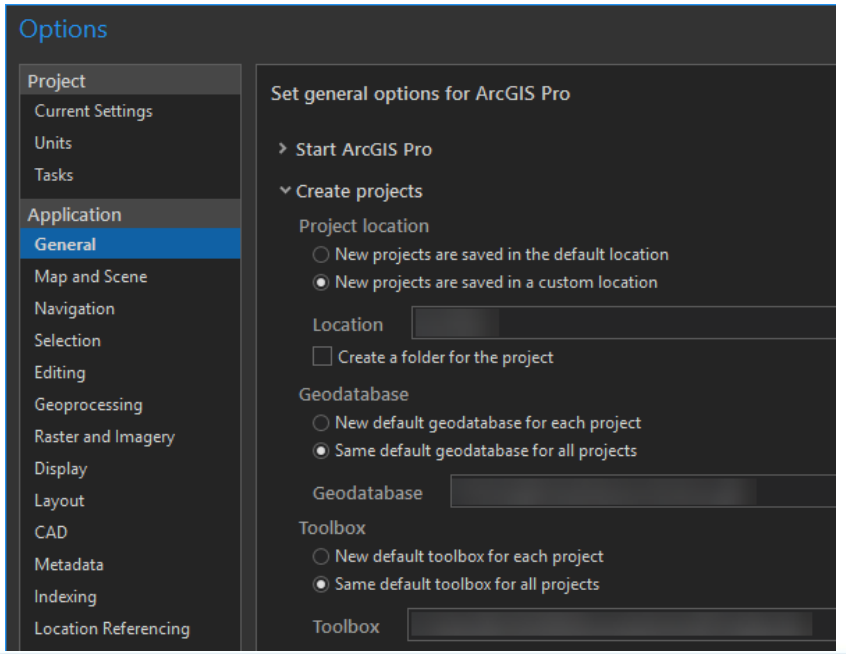
ArcGIS Pro Sub-Group Strategic Testing

- Mapping functionally (2D & 3D)
- File & data usage within .aprx
- Project & file management





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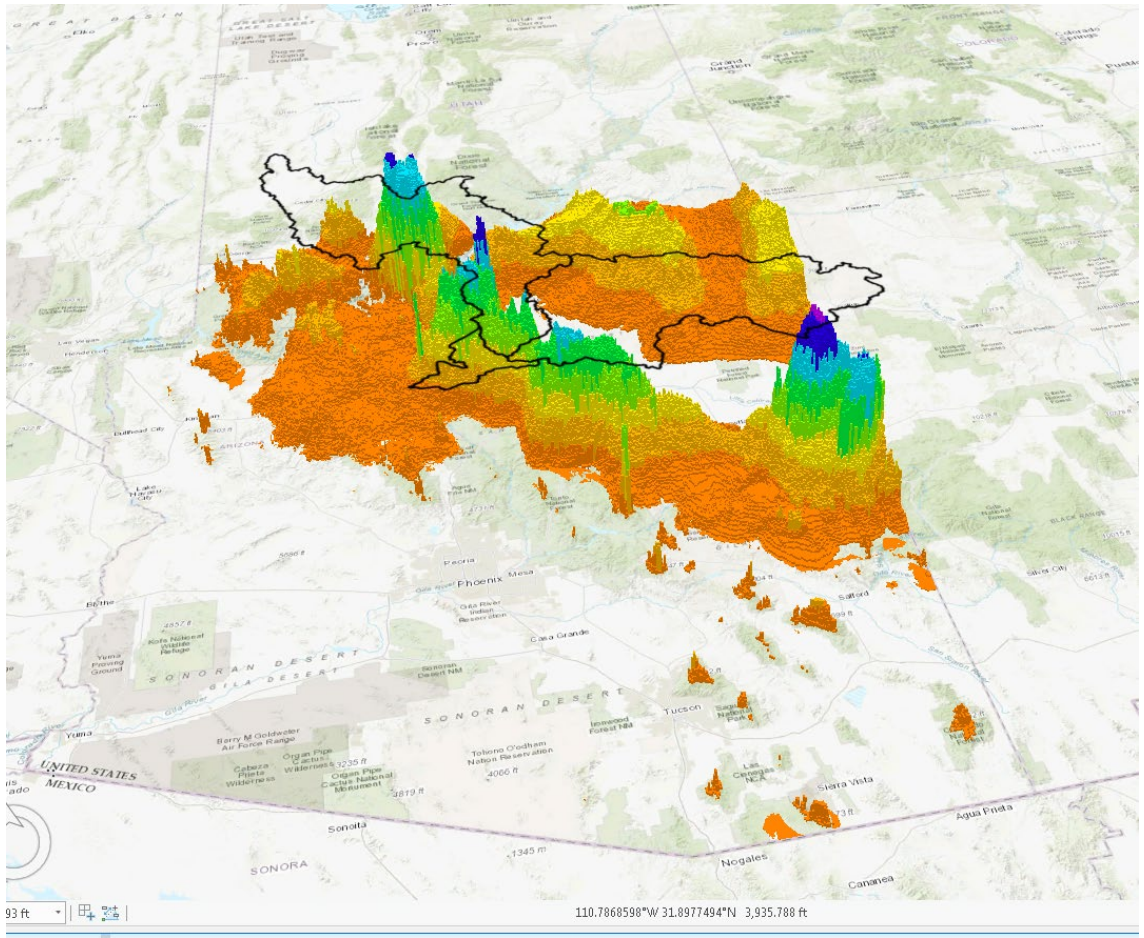
ArcGIS Pro Sub-Group Development Opportunities

ArcGIS Pro SDK

- Custom targeted applications for specific purposes
- Specific data management tools added to user interface



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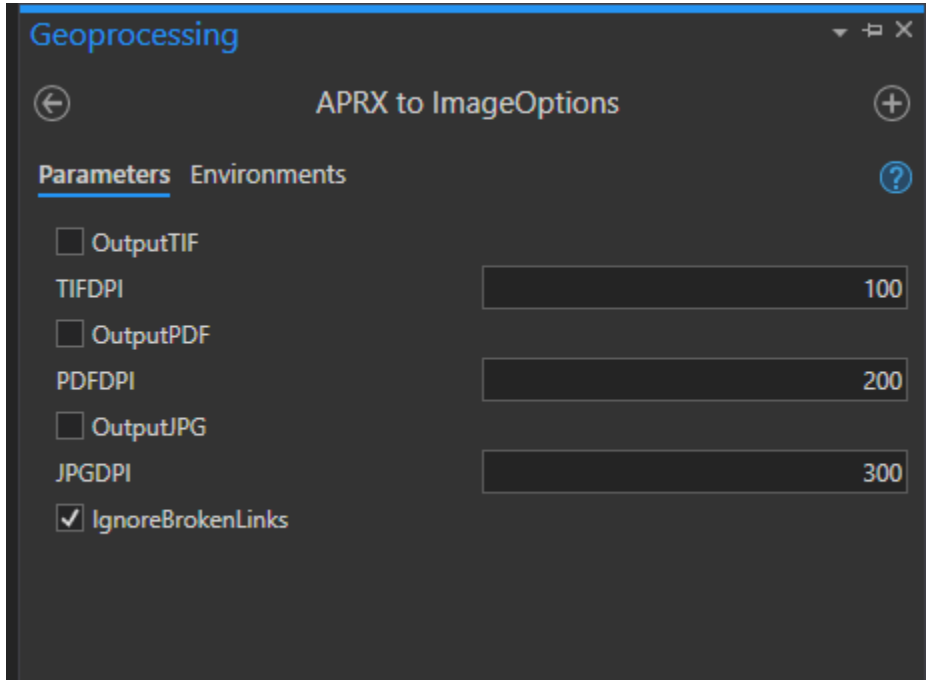
ArcGIS Pro Sub-Group Development Opportunities

Python 3.6

- Map export tools to .tif, .pdf, .jpg
- Map layers data management quality assurance process
- Dual Python environments



MyScript.bat

C:\Program Files\<*Python Install location*>.*exe* C:\Temp\MyScript.py

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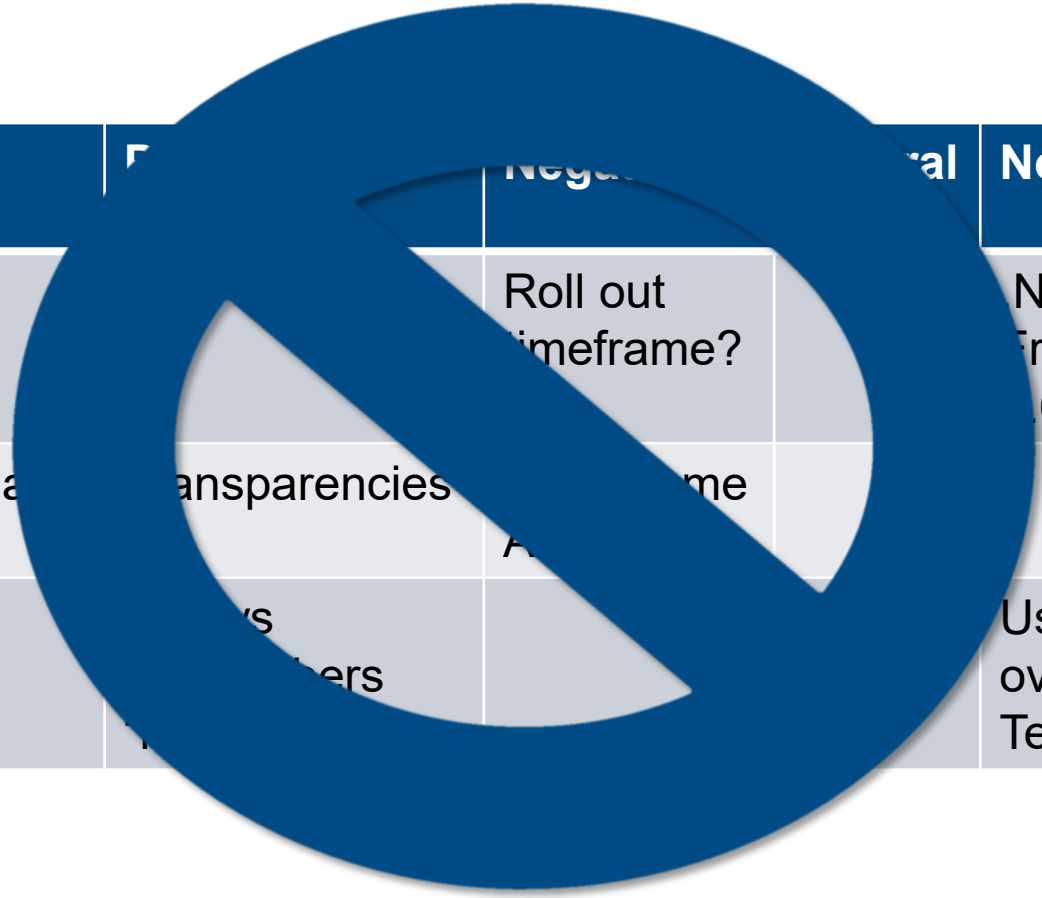
ArcGIS Pro Sub-Group Strategic Testing Results

Matrix

Topic Area				Notes
Installation		Roll out timeframe?		.NET Framework 4.6.1 or later
Mapping functiona	ansparencies			
File & Project Management	ys ers			Use Favorites over Templates



ArcGIS Pro Sub-Group Progress Update: December 2017

esri

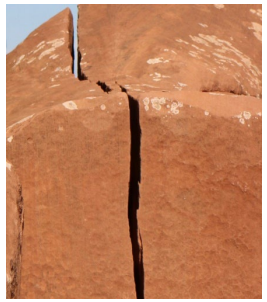
ArcGIS Pro Deployment Strategy: March 2018

Infrastructure Upgrades

- License manager configurations
- Enterprise geodatabases
- Operating system

Business Process

- File & data management standards
- Python tools
- SDK implementation



Phased Approach

- ArcGIS Desktop & ArcGIS Pro running simultaneously
- It's a dial, not a...

Training

- Prior to deployment

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ArcGIS Pro Training Strategy: August 2018 – October 2018

ESRI Training	• Resources via ESRI Academy
Web Courses	• Introductory six courses - *required* • https://bit.ly/2I1LBzh
Instructor Led Training	• *"Migrating from ArcMap to ArcGIS Pro"*

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ArcGIS Pro Training Strategy Feedback

… we were deployed

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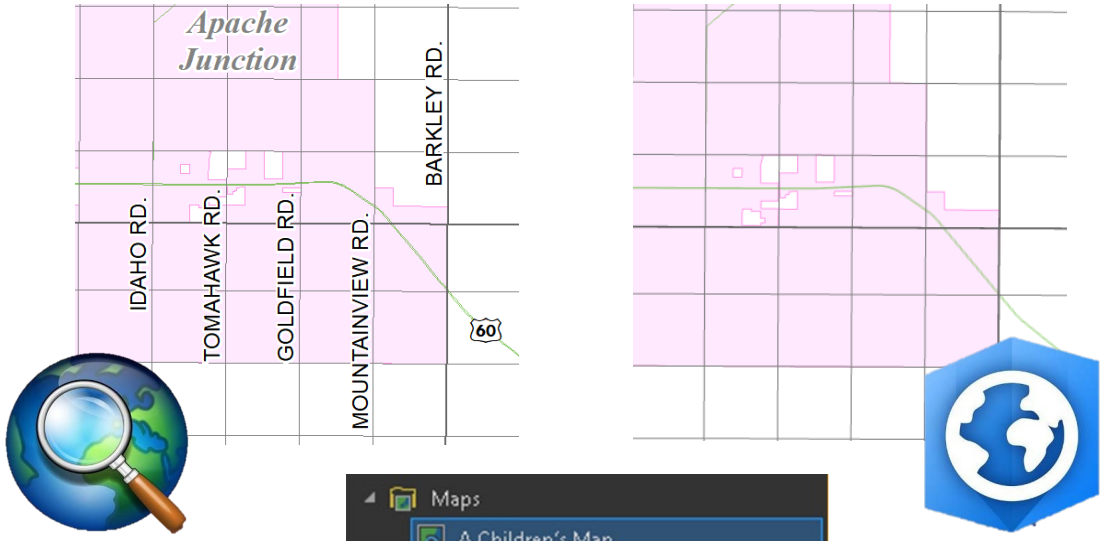
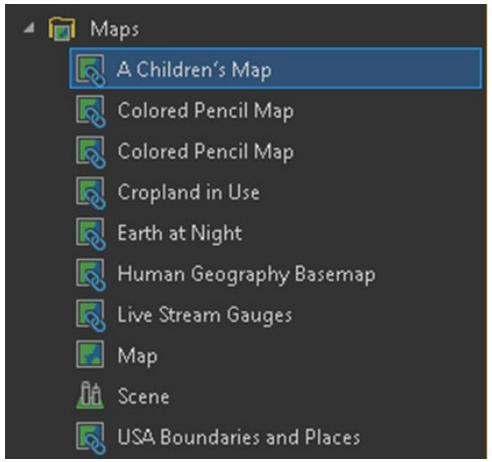
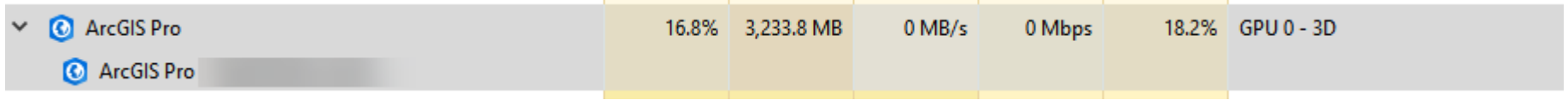
Deployment Challenges – October 2018 - June 2019

- Annotation
- Multiple Maps
- Performance







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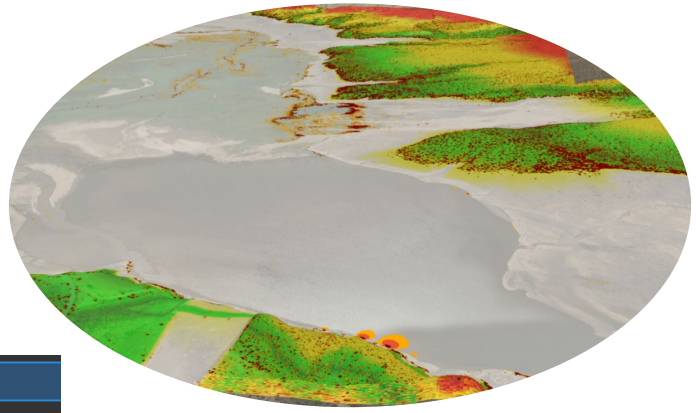
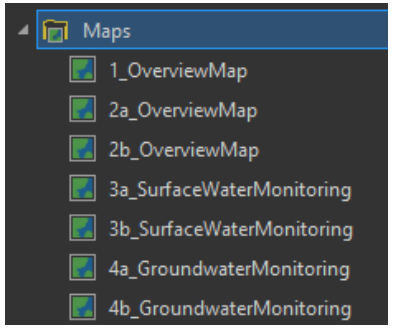
Deployment Positives– October 2018 - June 2019

- Geoprocessing
- Multiple Maps
- Cartography





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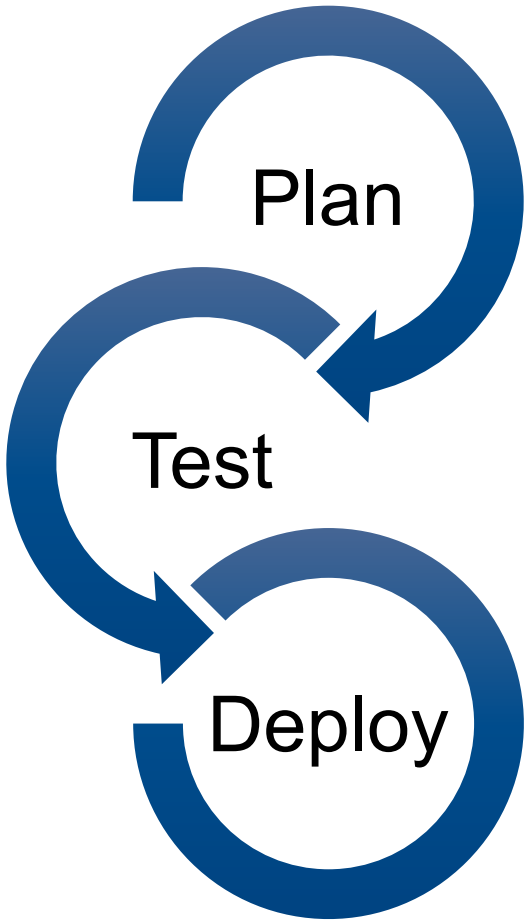
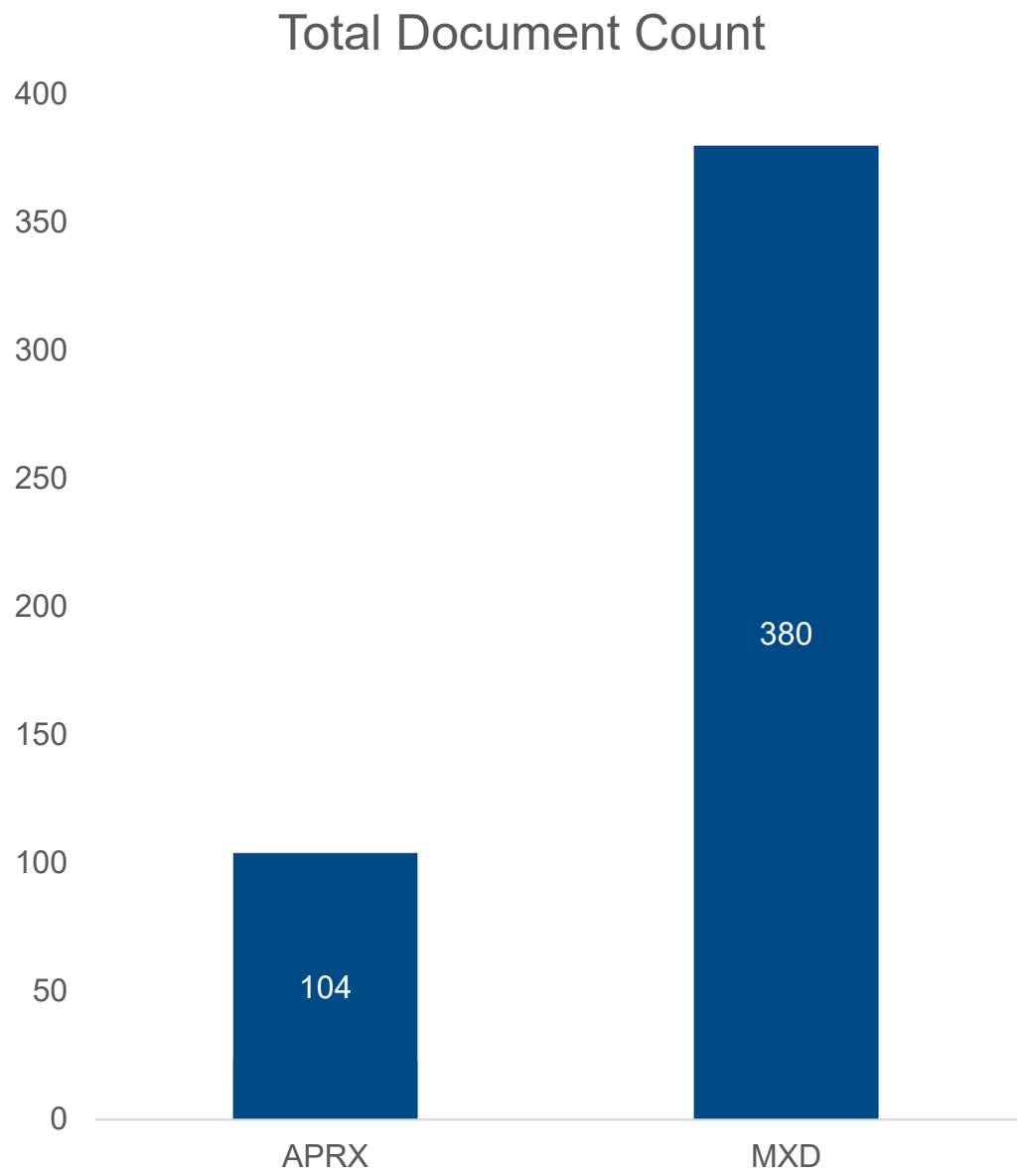
Overall Utilization & Conclusion

Utilization

Success Stories

Conclusion





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Questions?

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