



ArcGIS Excalibur

Jamon Johnson, Matt Calamito, & SSgt DeForge, USAF

2020 ESRI FEDERAL GIS CONFERENCE | WASHINGTON, D.C.



ArcGIS Excalibur

Delivering the Next Generation Imagery Workflows



ArcGIS Excalibur is a cloud-based, imagery application that integrates and enhances image-based workflows through intuitive experiences.



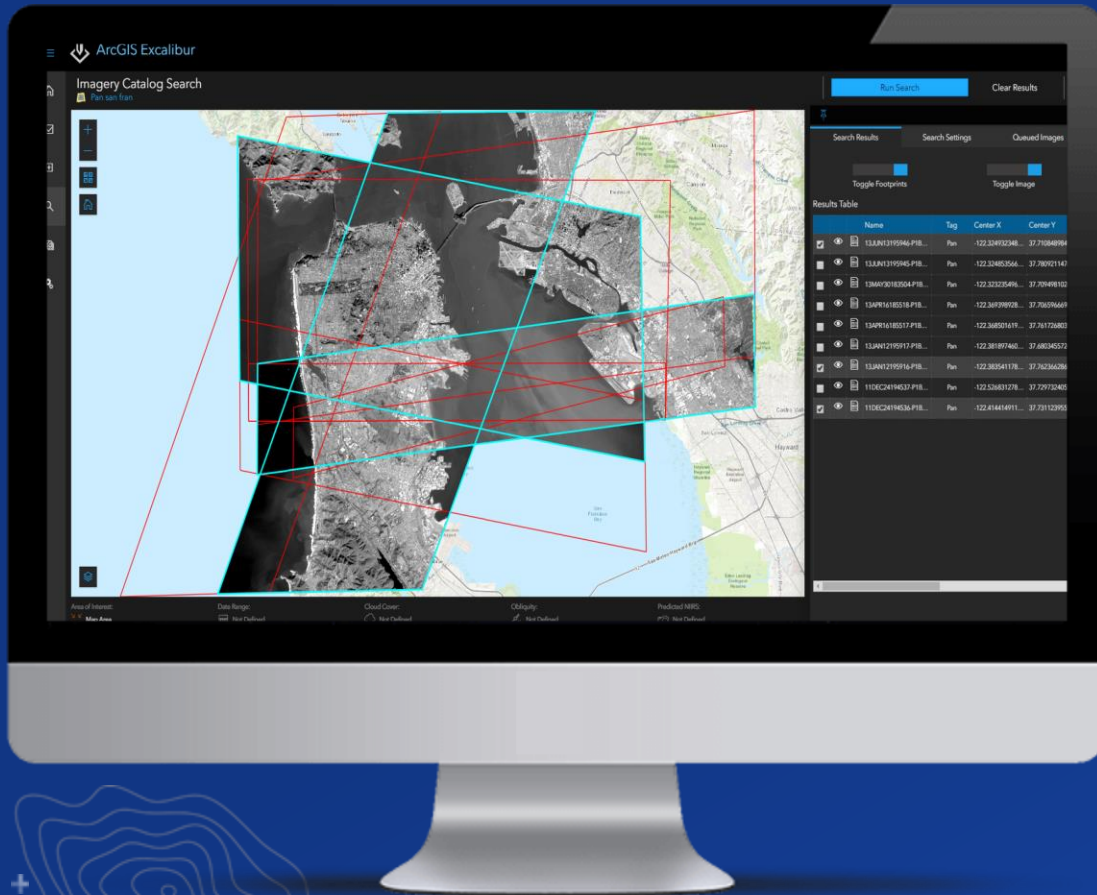
FEMA

Who Can Use ArcGIS Excalibur?





ArcGIS Excalibur – Features and Benefits



• Image Access & Discovery

- Interactive search and discovery capabilities.
- User defined search settings to refine discovery results.

- Date Range
- Cloud Cover
- Predicted NIIRS
- Obliquity
- Image Name

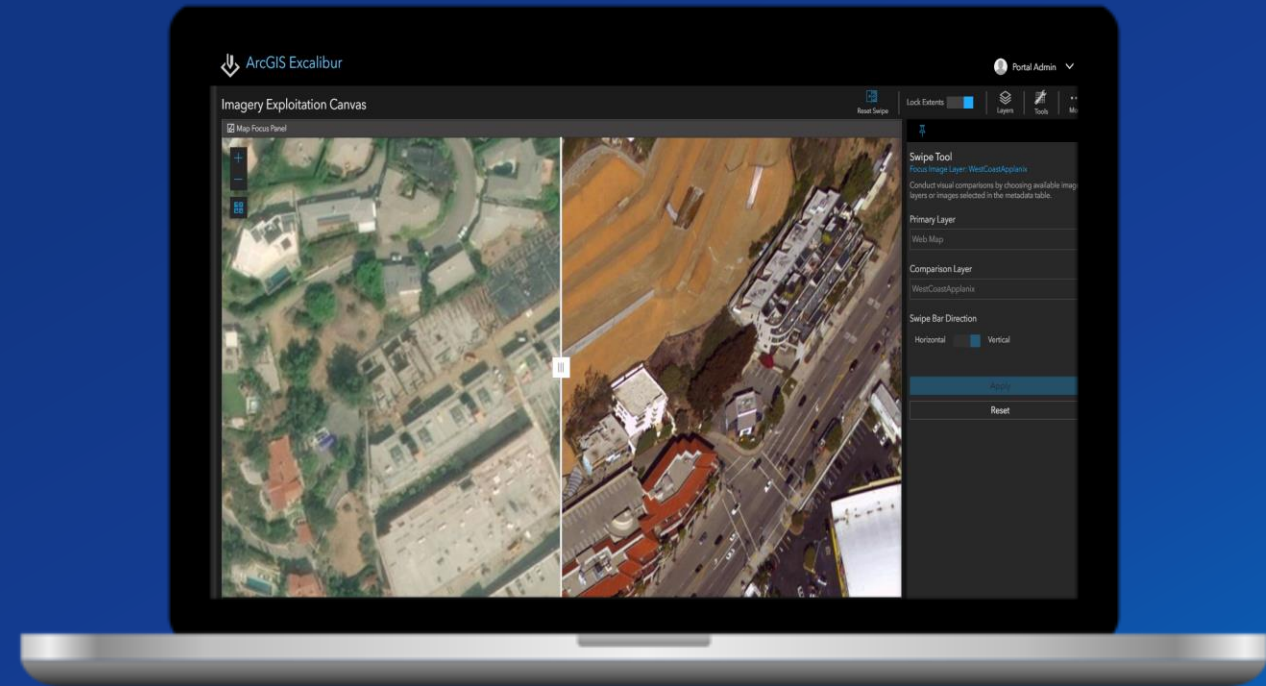
Query, locate, and find imagery quickly



ArcGIS Excalibur – Features and Benefits

- **Exploitation**

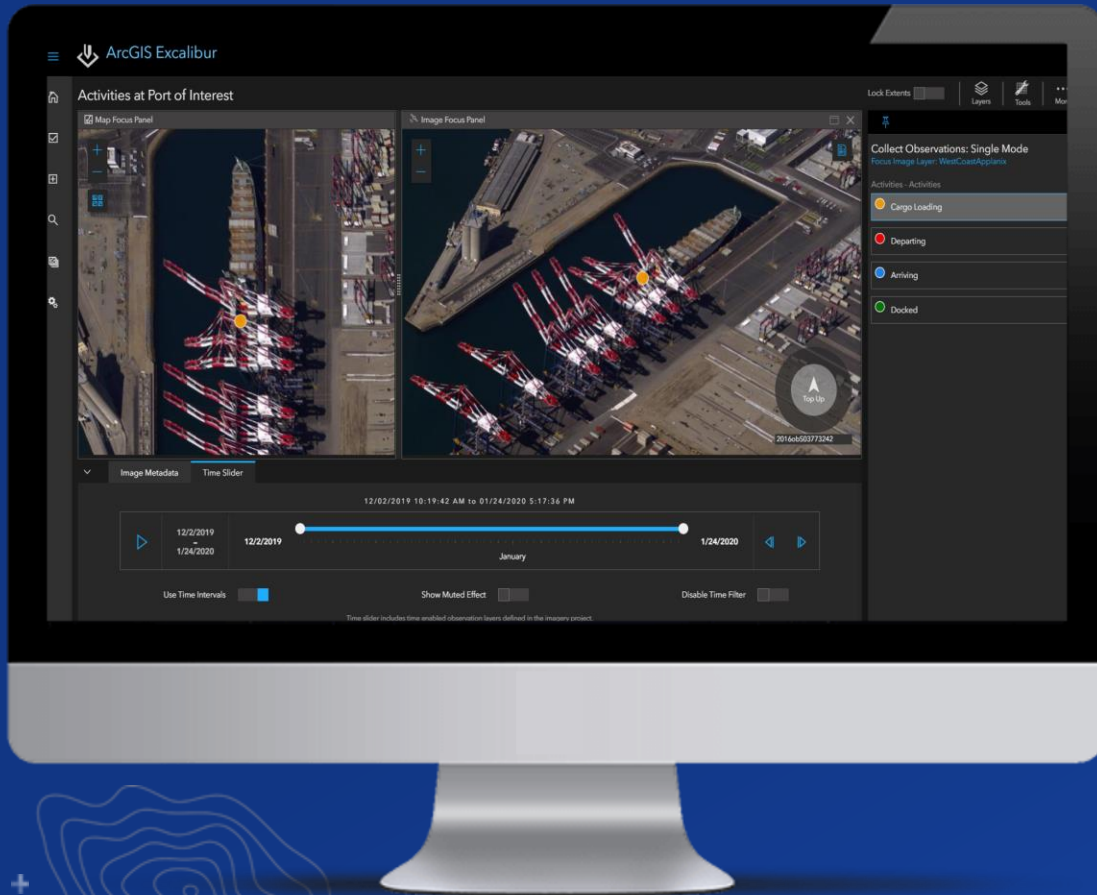
- Fully integrated, side-by-side visualization of oblique and orthorectified imagery.
- Image annotation and sketching with automatic, accurate transformation to geographic features.
- Comparison Workflows
- Support for non-query enabled services



Integrated imagery exploitation



ArcGIS Excalibur – Features and Benefits



• Imagery Project

- Dynamic, focused workflows to organize and accomplish image-based tasks.
- Leverage existing web maps containing reference layers for contextual use in imagery project.
- Streamline object collection management workflows.
- Add time enabled observation
- Create new observation layer enhancements
- View and edit existing project details

Streamline project workflows

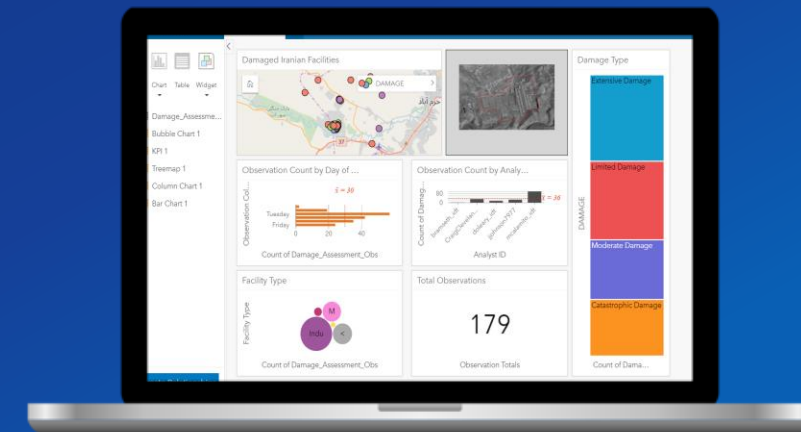


ArcGIS Excalibur – Features and Benefits

Integrated imagery exploitation

• Imagery Derived Products

- Create product for interactive briefing
- Performance metrics and temporal monitoring
- Perform traceability of analytical assessments
- Dynamic imagery layers or static Imagery Products
- Manage Enterprise Production



ArcGIS Provides a Comprehensive Imagery Platform

A scalable platform that works with all forms of imagery



- ArcGIS Excalibur
 - Licensed Web App
 - Require *Creator* or above User Type
 - Separate Install
- ArcGIS Image Server
- ArcGIS Enterprise 10.7 Standard or above

Customer Challenges

SSgt DeForge, USAF

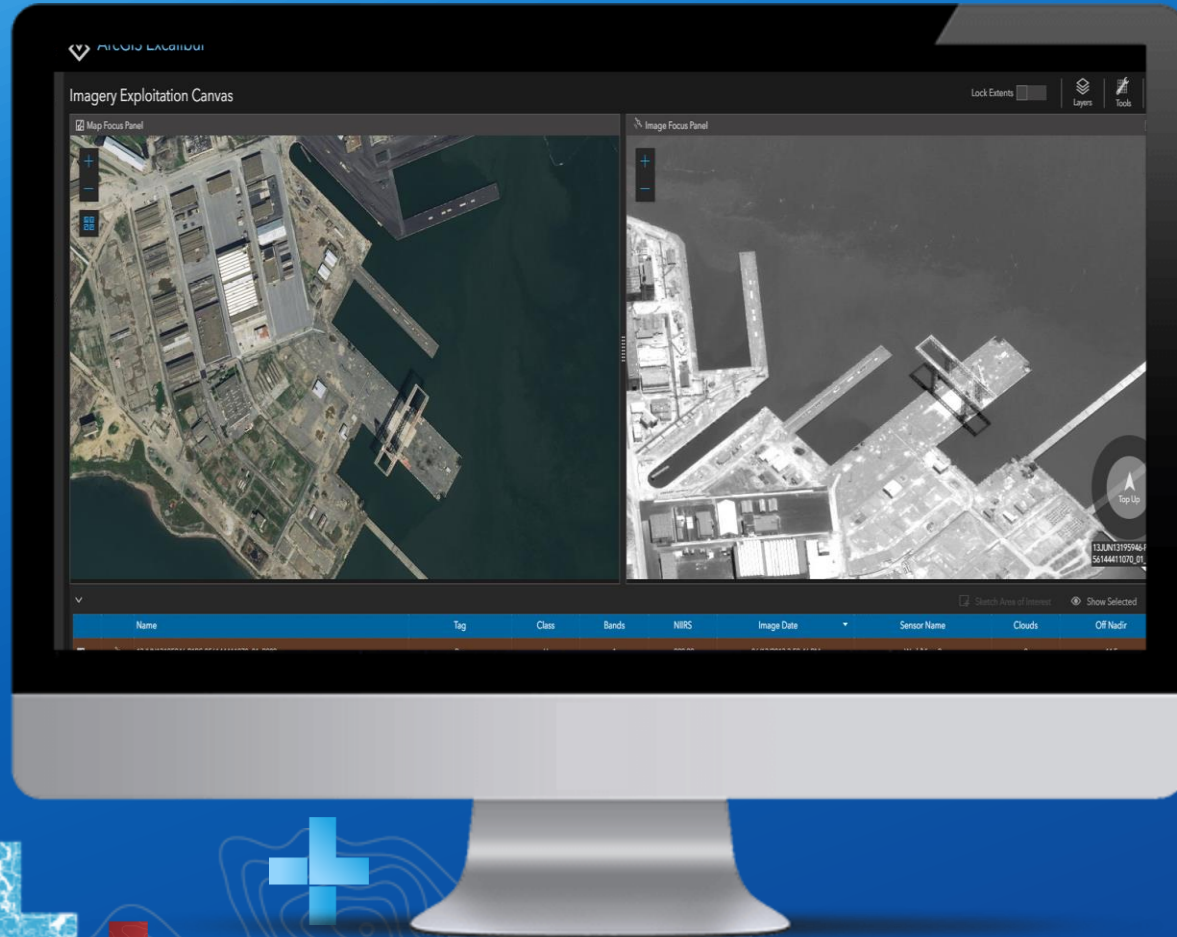




SSgt DeForge, USAF

Inefficient workflows

- Having to go through multiple locations to view collection areas
- View low res imagery previews → downloading the imagery → exploiting on another ELT → then transferring to PowerPoint is very inefficient
- Higher fidelity imagery preview sites often lag a lot when trying to zoom in, move around the image, etc.
- The traditional imagery approach makes it hard for everyone on a team working on the same area to know who has done what. People end up relying on Excel trackers or KMLs
- Having the images up simultaneously without loading a new “instance” is convenient



ArcGIS Excalibur Demonstration

Matt Calamito



Want to Learn More?

- Visit our website at: <https://www.esri.com/en-us/arcgis/products/arcgis-excalibur>
- Contact the ArcGIS Excalibur team: arcgis-excalibur@esri.com

