Integrating ArcGIS and Pictometry in the Classroom

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Agenda and Housekeeping

Agenda

A. Introductions (20 minutes)
   a. Agenda and Housekeeping (10 minutes)
   b. Your goals/objectives for the workshop (10 minutes)

B. Workshop Goals and Objectives
   a. Uses and Applications of Pictometry CONNECTExplorer (15 minutes)
   b. Introduction to Pictometry CONNECTExplorer
      1. CONNECTExplorer ADMIN (30+ minutes)
      2. CONNECTExplorer (1+ hour)
   c. Integration of ArcGIS and Pictometry (?) - depends on everything above....
Agenda and Housekeeping

Housekeeping

1. All of the material presented in the workshop today will be available to you via Dropbox/Google

2. In addition to the presentation material I have compiled supporting literature, videos, exercises, etc.
   - The material is organized in the following manner:
     - Pictometry Documentation and Videos
     - Pictometry Exercises
     - Pictometry Software and Add-Ins
Some Beginning Thoughts....

There are 2 ways to approach integrating ArcGIS and Pictometry

1. Using Pictometry CONNECTExplorer in ArcGIS desktop
   (uses an Add-in for ArcGIS that allows you to access Pictometry through ArcMAP)

2. Using GIS data in Pictometry CONNECTExplorer
   (Uploading your GIS data into the Pictometry cloud)

Both require a license for Pictometry since they both access the Pictometry image database.
Some Beginning Thoughts....

1. Using Pictometry CONNECTExplorer in ArcGIS desktop (Add-in for ArcGIS)

Pros
• Most users may feel more comfortable using the ArcMAP interface

Cons
• Need to download and install the Pictometry CONNECTExplorer Add-in
• Still need to log into Pictometry (but from the ArcMAP interface when you activate the Pictometry plug-in)
• CONNECTExplorer interface inside ArcMAP may seem “clunky”
Some Beginning Thoughts....

2. Using GIS data in Pictometry CONNECTExplorer  
   (Uploading your GIS data into the Pictometry cloud)

Pros
• Can share projects with others via Pictometry’s on-line cloud hosting

Cons
• More steps involved: need to use shapefiles (and only parts of shapefiles for upload to POL online hosting (identical to AGOL process)
• Need to manage GIS layers through the Pictometry CONNECTExplorer ADMIN menu
Introduction to Pictometry CONNECTExplorer

- Connecting to Pictometry  
  https://explorer.eagleview.com/

- CONNECTExplorer

- CONNECTAdmin  
  https://connectadmin.pictometry.com/
Introduction to CONNECTExplorer: Admin

Accessing the ADMIN functions from the Landing Page......
or the CONNECTExplorer Interface.
Introduction to CONNECTExplorer: ADMIN
- CONNECTAdmin > Organization > Summary
Introduction to CONNECTExplorer: ADMIN
- CONNECTAdmin > Organization > Properties
Introduction to CONNECTExplorer: ADMIN
- CONNECTAdmin > Organization > Create New Sub-Organization
Introduction to CONNECTExplorer: Admin

- CONNECTAdmin > Users
Introduction to CONNECTExplorer: Admin

- CONNECTAdmin > Users > Manage All Users
Introduction to CONNECTExplorer: Admin

- CONNECTAdmin > Users > Manage All Users

[Image of user management interface]

[Image of create new user form]

[Create] [Cancel]
Introduction to CONNECTExplorer: Admin
- CONNECTAdmin > Users > Manage All Users
Introduction to CONNECTExplorer: Admin
- CONNECTAdmin > Users > Manage All Users
Introduction to CONNECTExplorer: Admin
- CONNECTAdmin > Reports
Introduction to CONNECTExplorer: Admin
- CONNECTAdmin > GIS > Upload Your GIS Data

More on this later........

See also: Pictometry-CONNECT-Uploader-for-ArcMap-Quick-Reference-1 and CONNECT-Add-In-for-ArcGIS-Desktop-Quick-Reference-Guide in the ArcMap Add-in and Extension Folder
Introduction to CONNECTExplorer: Admin
- CONNECTAdmin > GIS > Configure Display/Query/Search

More on this later........
Introduction to CONNECTExplorer: Admin

- CONNECTAdmin > GIS > Manage Shared Layers

More on this later........
Introduction to CONNECTExplorer: Admin
- Support > Help
Introduction to CONNECTExplorer: Admin
- Support > Training
Introduction to CONNECTExplorer: Admin - Support > Training

Note: You need to create a new registration ID for training; it is different than your Pictometry Registration.
Introduction to Pictometry CONNECTExplorer
Introduction to CONNECTExplorer Interface
Introduction to CONNECTExplorer Interface
Introduction to CONNECTExplorer Interface
Demo 1: Seek and Find, Maneuver, and Bookmark

Tools used:
Search, Pan, Navigation Buttons (Ortho/Oblique), Zoom Slide, Bookmark
Exercise 1: Seek and Find, Maneuver, and Bookmark

Tools used:
Search, Pan, Navigation Buttons (Ortho/Oblique), Zoom Slide, Bookmark
Demo 2: Pictometry CONNECTExplorer Tools and Functionality (Part 1)

Tools used:
Location, Distance, Distance over Ground, Area, Circle Area, Vertical Area, Height, Elevation, Coverage, Shape, Circle, Line, Text, Marker
Introduction to CONNECTExplorer - The Toolbar
Introduction to CONNECTExplorer - The Toolbar
Demo 2: Pictometry CONNECTExplorer Tools and Functionality (Part 1)

The Statue of Liberty

Tools used:
Location, Distance, Distance over Ground, Area, Circle Area, Vertical Area, Height, Elevation, Coverage, Shape, Circle, Line, Text, Marker

Dual Pane
Hover over the zoom slider and select Community.
Exercise 2: Environmental Application - Lurman Arboretum

Tools used:
Location, Distance, Distance over Ground, Area, Circle Area, Vertical Area, Height, Elevation, Coverage, Shape, Circle, Line, Text, Marker

Dual Pane
Exercise 3: Law Enforcement Application

Tools used:
Location, Distance, Distance over Ground, Area, Circle Area, Vertical Area,
Height, Elevation, Bearing, Coverage, Shape, Circle, Line, Text, Marker

Uploading GIS Data (KML file)
Exercise 4: Gas Leak Scenario

Tools used: Location, Distance, Distance over Ground, Area, Circle Area, Vertical Area, Height, Elevation, Bearing, Coverage, Shape, Circle, Line, Text, Marker
Introduction to CONNECTExplorer