Creating and Using Web-based (ESRI) Story Maps in a Cloud Environment

ABoVE Science Cloud Webinar
September 27th, 2018
Overview

• What is a Story Map?
• JJ Frost – Emmonak Story Map
• Carly Robbins – NCCS-created Story Map
• Jim Shute – Time-enabled Dataset Automation
What is a Story Map?

• Combine your map with narrative text, images, and multimedia content.
Story Maps can be created on the science cloud.
Where do I start?

• Request an NCCS account on ADAPT/ASC: https://above.nasa.gov/sciencecloud_setup.html
  – When requesting the account, indicate that you need access to the Windows environment, Portal for ArcGIS

• If you already have an NCCS account on ADAPT/ASC:
  – Submit a Support ticket support@nccs.nasa.gov requesting access to the Windows environment and a Portal for ArcGIS account
  – If access to the Development environment is required as well, make sure to mention that in the ticket

• The GIS Team can provide assistance via WebEx, if necessary
Dr. JJ Frost

Emmonak, Alaska Story Map

Link to map:
https://uaa-geomatics.maps.arcgis.com/apps/StorytellingSwipe/index.html?appid=1b69883b8b364adca038a2a9b06b6c7d
Carly Robbins, NCCS Summer Intern

Barn Swallow Climate Story

Link to Map:
https://maps.nccs.nasa.gov/arcgis/apps/MapSeries/index.html?ap pid=51ab69b3560346d4adcb1a080c7a0a6c
Barn Swallow Climate Story

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Cornell Lab of Ornithology
Basic Overview of Creating an Esri Story Map

1. Analysis in ArcGIS Desktop
2. Connect to ArcGIS Server
3. Share data layers as web services
4. Build Story Map apps using your maps in Portal for ArcGIS
5. Create maps using web services in Portal for ArcGIS
6. Embed Story Map apps into other Story Map apps
Jim Shute, NCCS App. Architect

Time-enabled Dataset Automation Process
Time-enabled Dataset Automation Process

- Python, ArcGIS Libraries and Windows Task Scheduler

- Build image list
- Loop through images
- Update mosaic dataset attributes
- Remove old files from filesystem
- Remove old mosaic dataset items

Image file loop

- Add file to mosaic dataset
- Check URL for file
- Download file
Questions??