ABoVE Science Cloud Webinar: Data Discovery and Management

May 20th, 2016
Agenda

• Data Discovery (ODISEA Search Tool)
• ASC Environment Structure
• Adding products to the ASC
• Announcements
• Questions?
Data Discovery

- **ODISEA search tool** (Ontology Driven Interactive Search Environment for ADAPT)
- System level tool to search for and locate system owned staged data
- Accessible on the ASC at: ODISEA.nccs.nasa.gov:8080/odisees
- View a video of ODISEA in action [here](#)
- See a table of available products [here](#) and on the ASC [website](#) under ASC Capabilities
ASC Environment Structure

ABoVE Users

NCCS/ABoVE User Working Directory
- home
- nobackup

Curated Peer Reviewed Science Products

ODISEA Data Discovery System

ADAPT Research Data and Product Access

Satellite /Remote Sensing Image Raster Data

Other Observation Datasets

ABoVE P.I. Phase 1 & 2 Products

Pre-ABoVE Curated Products

/att/pubrepo

Archive Product

DAAC Archive

Researchers Policy Makers Decision Makers Applications

ArcGIS Desktop and Portal

Account Setup

User Data Upload

ArcGIS Server and Portal Access

above.nasa.gov @NASA_ABoVE
ASC Environment Structure: /att/pubrepo

- Large satellite records have their own folder
- /ABoVE_products contain ABoVE PI generated products
- /misc_products contain useful products for science team members
ASC Environment Structure: PI Products

• Unfinished products stored in $NOBACKUP
• Finished products are copied to the ABoVE Product space and retained in $NOBACKUP
  – Once archived, you can delete the product from Nobackup
• Contact support@nccs.nasa.gov when ready to move your product to the ABoVE Product space
Adding Products – Metadata Needed

• Based on NASA ECHO metadata
• You will receive an excel spreadsheet to fill out
• Many fields will be based on a picklist
• Sampling of variables needed:
  – Name, version, description, ABoVE science theme
  – Measurement approach, data format
  – Location, spatial and temporal resolution
Announcements

• Adding miscellaneous products to the ASC
• Additional data available if desired:
  – Canadian forests
  – Data from ORNL DAAC
• System outages – none to report
• Next Webinar: June 17\textsuperscript{th}, 2016 @ 1pm EDT
  – Benchmarking and optimizations on the ASC