ABoVE Science Cloud Webinar:
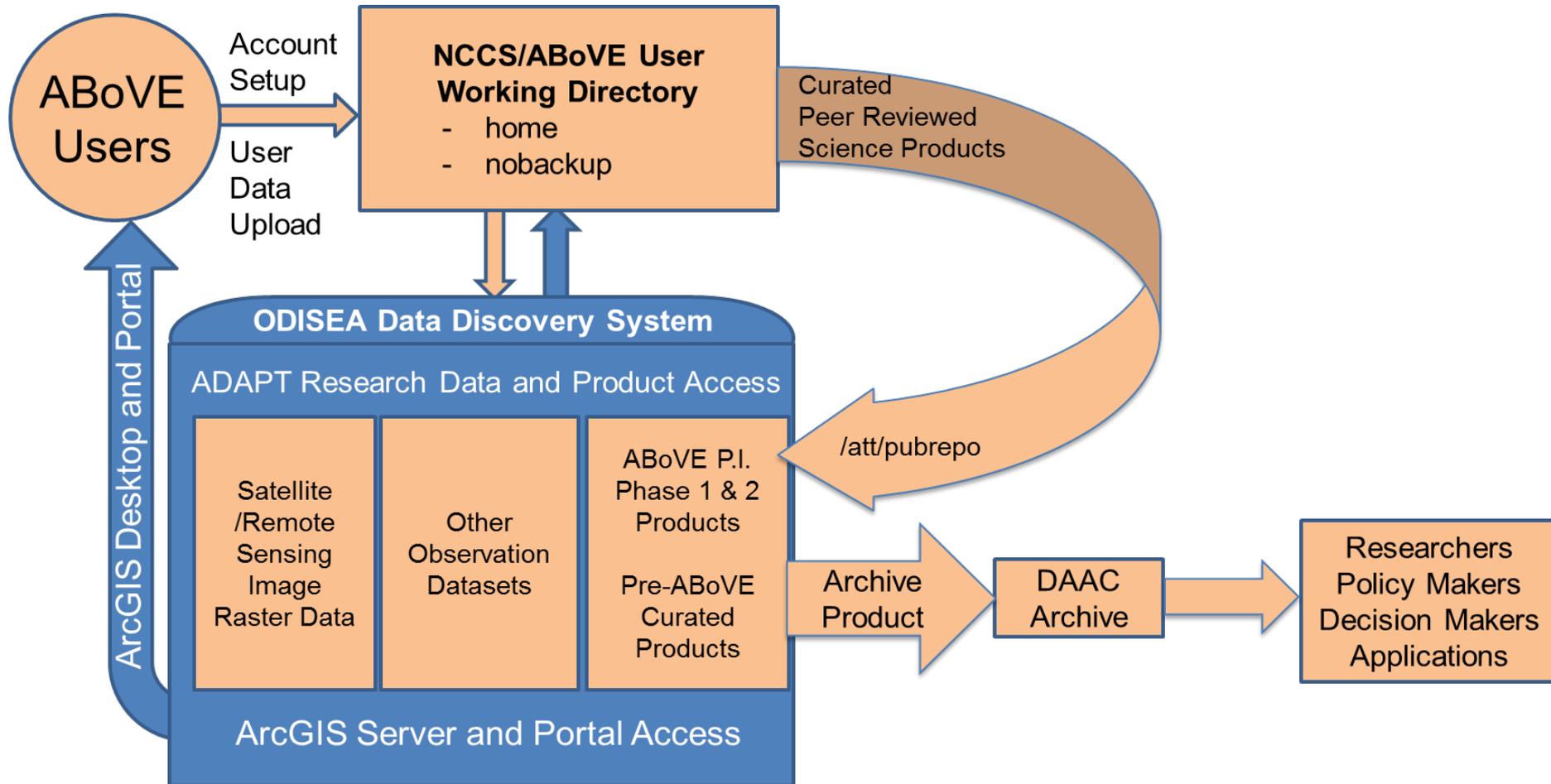## Data Discovery and Management

May 20th, 2016

Agenda

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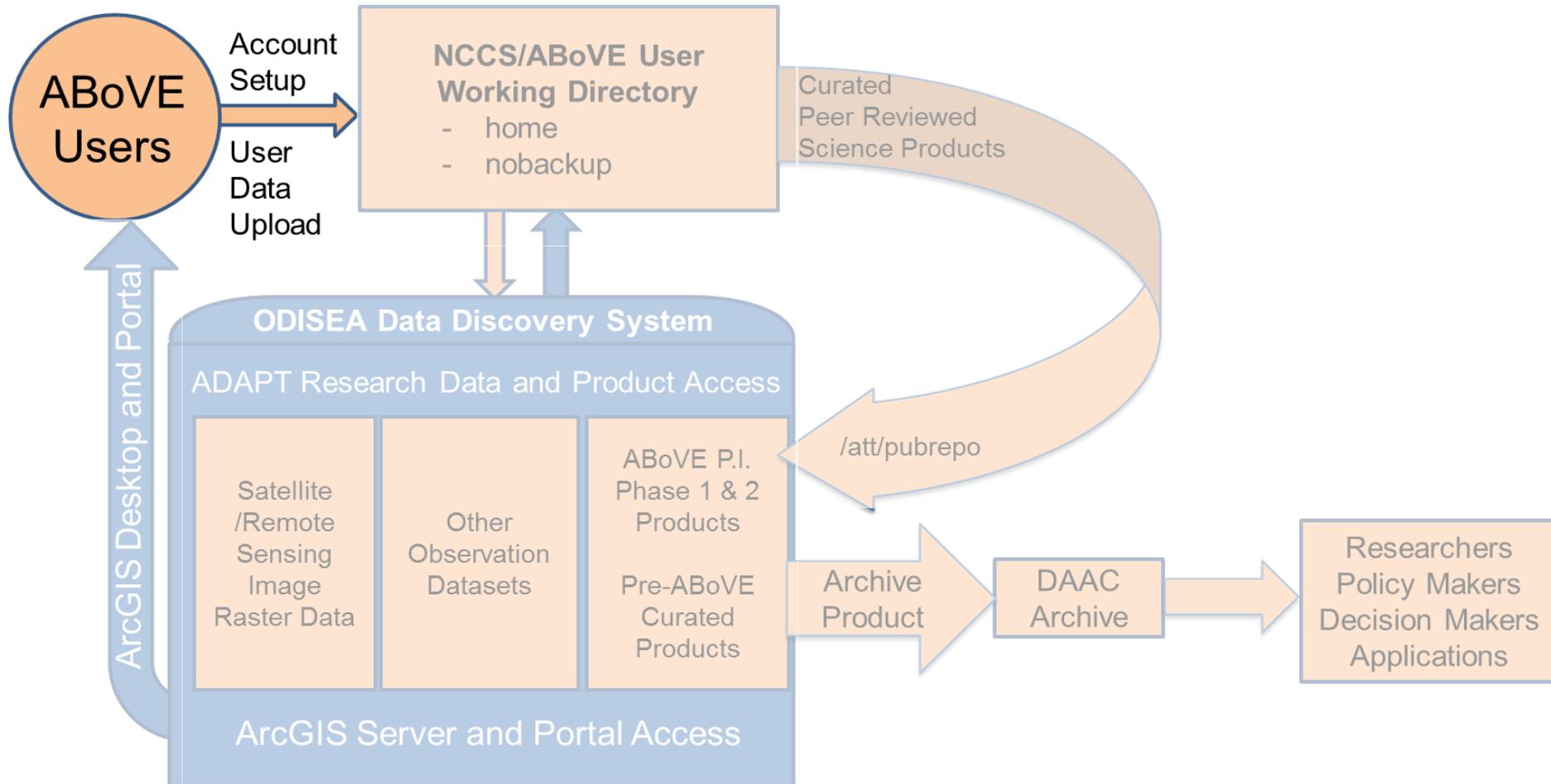- Announcements
- Questions?

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

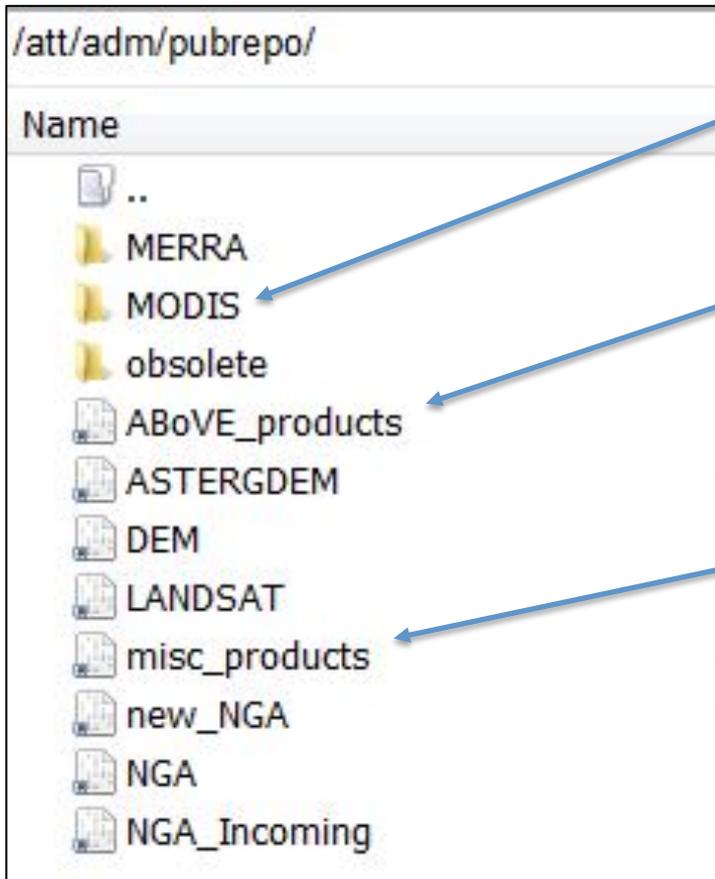- See a table of available products here and on the ASC website under ASC Capabilities

ASC Environment Structure

ABoVE Users

Account Setup

User Data Upload

ArcGIS Desktop and Portal

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

ArcGIS Server and Portal Access

Archive Product

DAAC Archive

Researchers Policy Makers Decision Makers Applications

ASC Environment Structure

ASC Environment Structure: /att/pubrepo

/att/adm/pubrepo/

Name

- ..
- MERRA
- MODIS
- obsolete
- ABoVE_products
- ASTERGDEM
- DEM
- LANDSAT
- misc_products
- new_NGA
- NGA
- NGA_Incoming

- Large satellite records have their own folder

- /ABoVE_products contain ABoVE PI generated products

- /misc_products contain useful products for science team members

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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

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VULNERABILITY
EXPERIMENT

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

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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 17th, 2016 @ 1pm EDT
  - Benchmarking and optimizations on the ASC