

PO.DAAC SWOT DATA Access

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PO.DAAC : NASA Archive For SWOT



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PO.DAAC SWOT Data Access

PO.DAAC Science Team Support

Pre-launch

Cal/Val Support:

- Archive and distribution of Cal/Val datasets (As Needed)
- Data Engineering support for effective integration of Cal/Val data in support of SWOT
- Support data access across Hydrology and Ocean Cal/Val Sites (Example Hydrology: Tier 1 Gold Standard and Tier 2 Sites; Ocean: California Site)

Supporting datasets:

- Collocate AirSWOT datasets (e.g. ABOVE campaign)
- Access to pre-SWOT datasets

Dataset publication workflow:

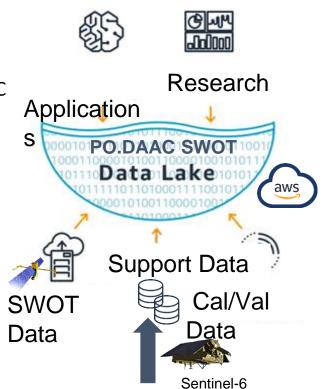
- Simplified and Efficient dataset submission workflow into PO.DAAC
- Improved communication within PO.DAAC and with data providers
- Uniform data provider experience

Early Adopter

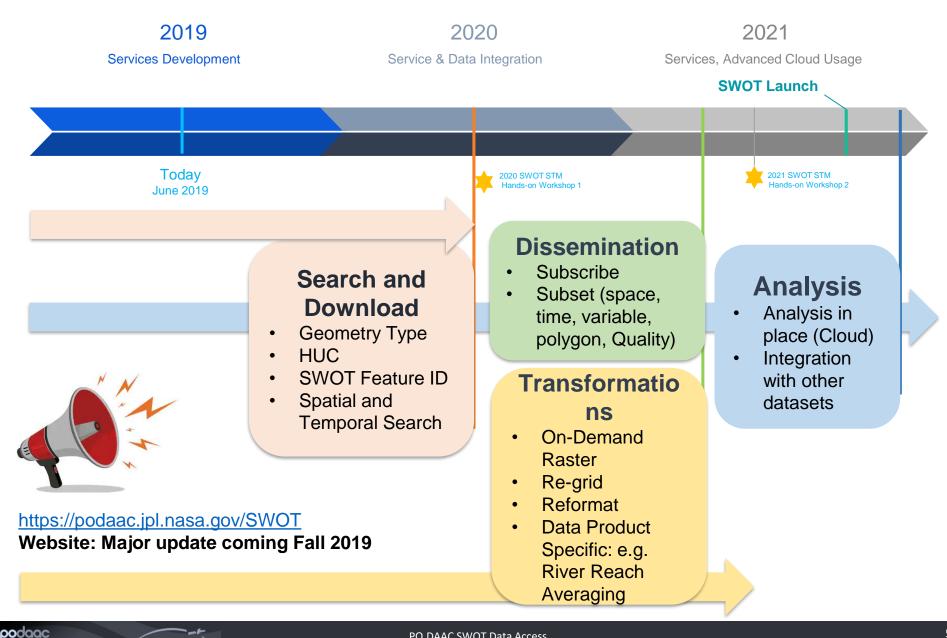
Working with the SWOT Early adopter program

Post-launch

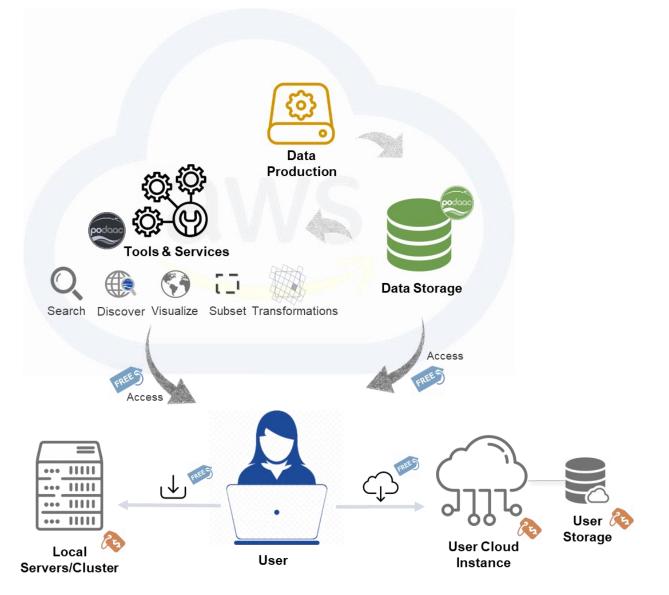
- Restricted Access to Cal/Val datasets (Project Requirement)
- Download or Subscribe to data
- User services support (e.g. on-boarding hydrology users)
- Impact metrics
- Dataset Citation metrics, Download metrics etc.



PO.DAAC SWOT Capabilities



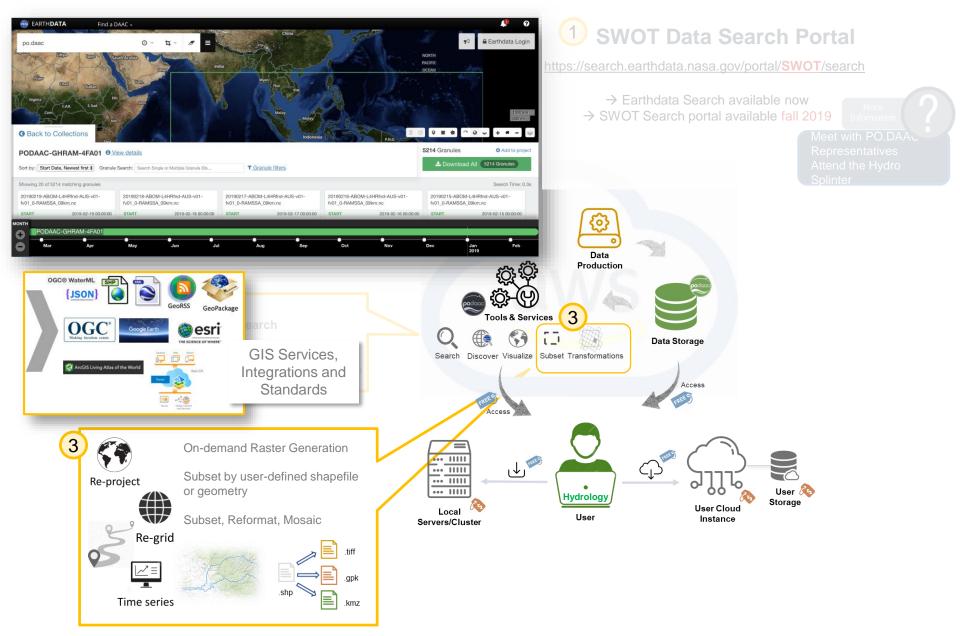
PO.DAAC SWOT (Cloud) Data Flow







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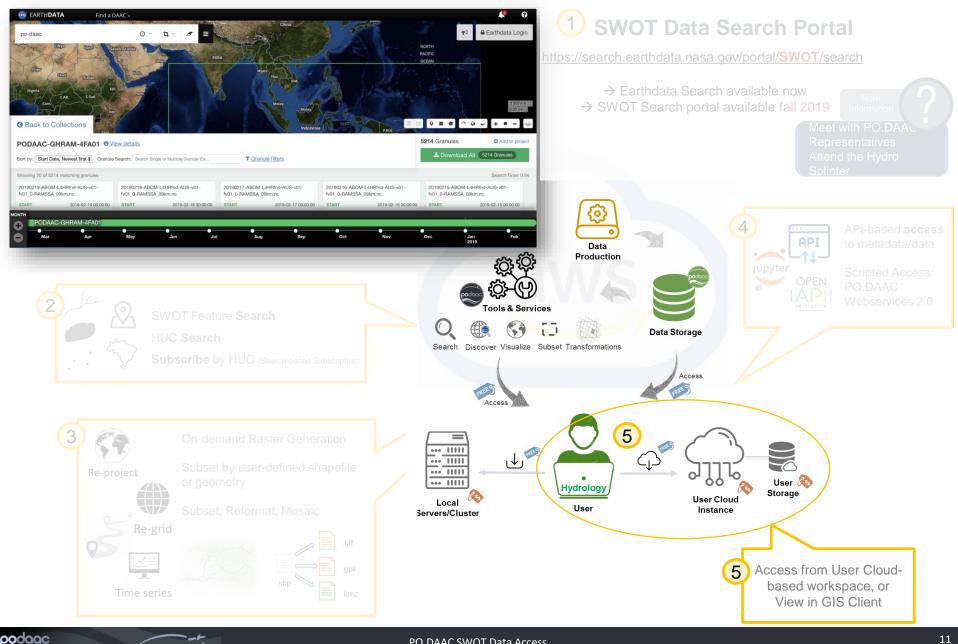
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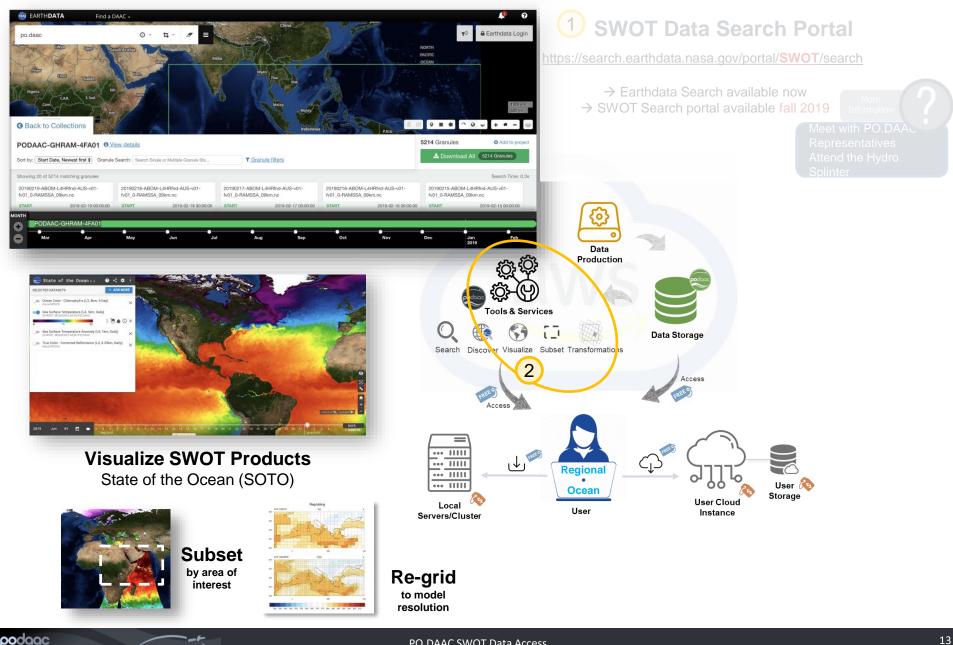
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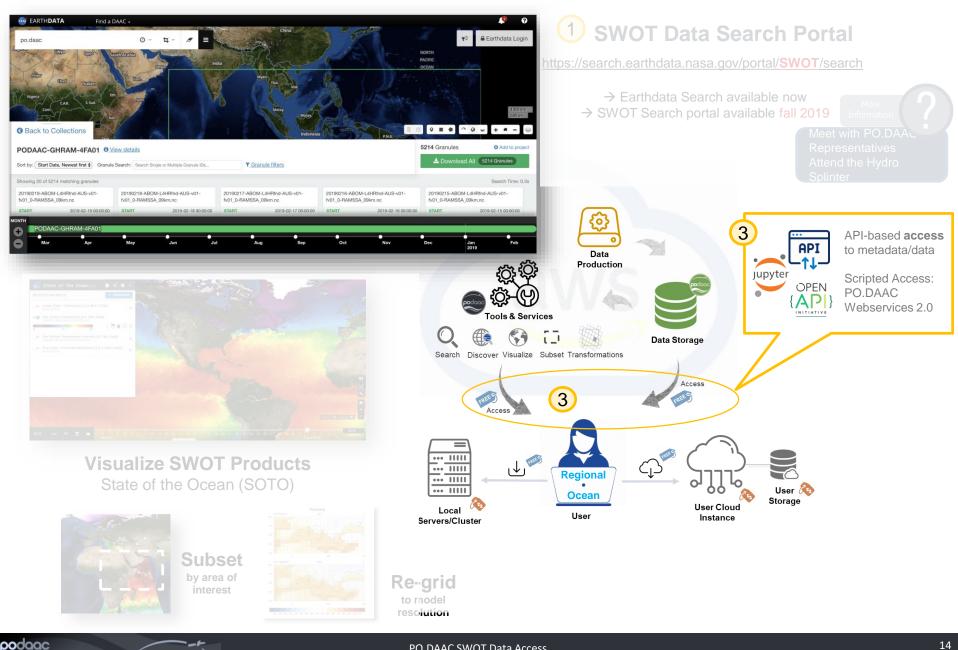
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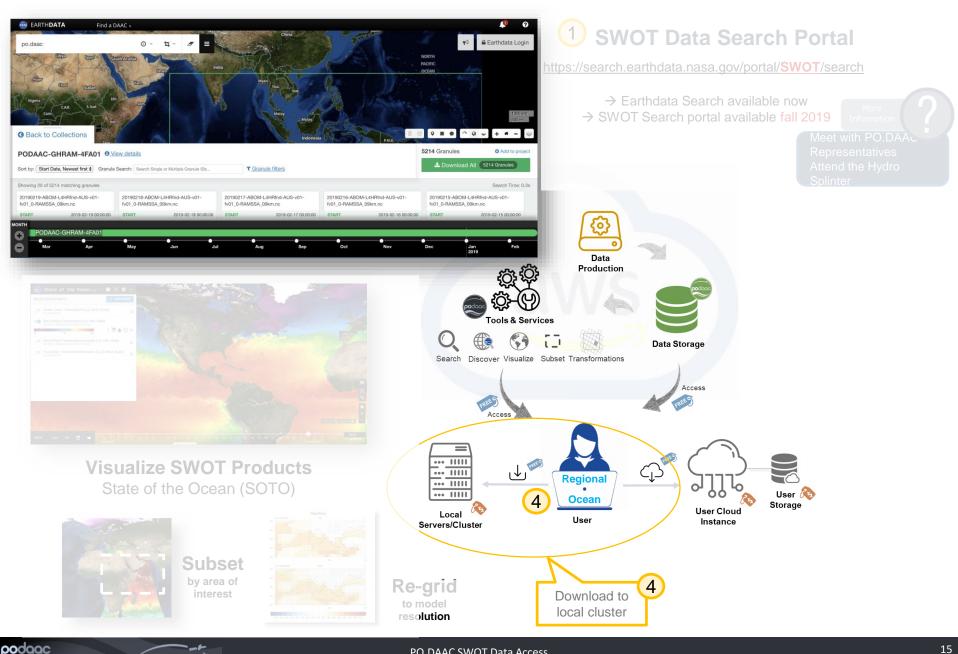


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Will I be charged for downloading data from PO.DAAC?

- No. There is no charge involved. NASA's policy is free and open data
- End-user computational costs are not PO.DAAC's responsibility
- Understanding computational costs is an important aspect when working with SWOT like data volumes. PO.DAAC will assist as needed by providing primer documents, tutorials, webinars etc.

Will there be a FTP service?

No, per NASA Policy. There is an equivalent service. Login will be required per NASA Policy.

Are you working with Google Earth Engine?

Yes, We are working with Google. Ongoing discussion is to determine protocols to help them find, access, and update NASA data that Google would like to host on the platform

Who helps guide PO.DAAC's tools and Services development?

You.

This science team.

The next science team.

PO.DAAC cloud Early adopters (14 individuals representing

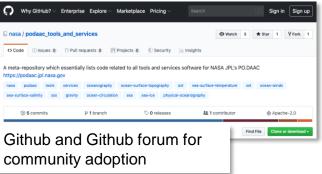
the community)

PO.DAAC User Working Group

What is your outreach plan?

Hands-on training Sign up to test-drive Handbook and tutorials









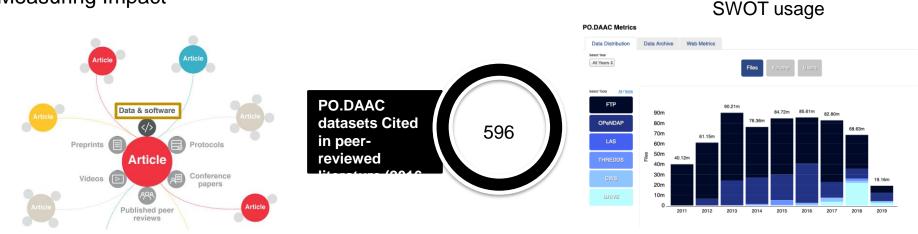


PO.DAAC SWOT Levels of Service



Data Package Documentation Metadata Browse Imagery Data Files Measuring Impact

- ✓ Curator of data files, metadata, browse images, and documentation
- Provide tools to explore, access, and extract data
- Provide long-term, secure archiving (back-up and recovery)
- Address user questions, and serve as a buffer between users and data contributors
- ✓ Provides usage & download statistics and data citation statistics



Data Integration Across Missions, Organizations



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- PO.DAAC would like to be plugged in to cross-mission integration topics/discussions (Important to understand and support value added product capabilities)
- Cognizant of complementary capabilities across AVISO and NASA (PO.DAAC would like to propose a joint data workshop for 2020)

Questions?



https://podaac.jpl.nasa.gov/SWOT



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