

2023-2024 AEOIP Accomplishments

Over the period of July 2023 and June of 2024, AEOIP achieved the following notable accomplishments:

- Expanded federal agency membership, with particular engagement with the Bureau of Land Management Assessment & Monitoring group.
- Hosted 8 monthly webinars highlighting remote sensing applications for land management, reaching over 500 participants
- Organized an annual workshop (April 2024) focused on Fire, Carbon, and Fractional Vegetation Cover, hosted by Michigan Tech Research Institute (funded by a NASA TWSC)
- Initiated engagement with Earth Science Information Partners (ESIP)
- Initiated an ad hoc 'Governance' working group, charged with designing internal AEOIP decision-making and engagement scaffolding
- Provided briefings to NASA Earth Action leadership, resulting in:
 - broader engagement among Earth Action program elements
 - NASA's requests for near-term Earth observations needs, likely to result in solutions development
 - funding to support AEOIP website

Priority Actions for 2024-2025

Work in 2024-2025 will build upon the foundation of the previous five years, with continued active engagement between NASA, USGS, Distributed Active Archive Centers (DAACs), USFS, BLM, and other participating agencies and entities; and will explore new collaborations with ESIP and the NASA Satellite Needs Working Group. The incoming AEOIP co-chairs shall revise the proposed Topics and Activities with the Core Team as appropriate.

Topics to Consider:

- Finalize documentation and work from the ad-hoc governance working group.
- Facilitate ongoing and new connections.
- Raise awareness of AEOIP among federal agencies and develop new relationships with federal land management partners (e.g., FWS).
- Continue exploring collaboration and coordination with ESIP.
- Increase awareness of the Satellite Needs Working Group (SNWG) among the broader AEOIP community.
- Continue the Swenson collaboration as a pilot for NASA's 'Earth Science to Action' initiative, focused on leveraging existing, basic research for land management.
- Explore the intersection between NASA's Disaster Response Coordination System (DRCS) and land management actions (e.g., quick response to fires, hurricanes, and flooding).
- Emphasize co-production through webinars, training, or hands-on sessions at the annual workshop.
- Host more hands-on training or tutorials (e.g., quarterly tutorials for accessing/working with EO data).
- Potentially coordinate with NASA's ARSET, noting ARSET's need for thematic topics rather than specific data products or tools. Connect with ARSET in August to get into their annual plan. The following topics were identified during the 2024 AEOIP workshop:
 - Post-fire support (ash transport) for practitioners
 - Fractional vegetation cover (an expressed need from BLM)