



Closing the ARCO Adoption Gap: Modernizing Data Analysis Workflows

Wednesday, July 29, 2026 8:30am - 10:00am CT

More info & slides on Sched Session Page:

<https://2026julyesipmeeting.sched.com/event/2OZsm/closing-the-arco-adoption-gap-modernizing-data-analysis-workflows>

Description

Despite the growing availability of Analysis-Ready, Cloud-Optimized (ARCO) data, most of the Earth System Science community still relies on legacy download-and-analyze workflows. This session brings together data providers, software developers, and users to compare notes on what is actually moving the needle on adoption, with focus on interoperability across ARCO datasets from different providers. It also discusses the rapidly expanding role of LLM-assisted data discovery and analysis, including emerging tooling such as MCP servers. Through lightning talks, demonstrations, and guided discussion, the session will surface pain points and collaboratively draft a lightweight ARCO Adoption Notes document.

Attendance & Check in

Add your Name / affiliation / pronouns / location / add optional prompt/question

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Agenda

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At session start:

- **Welcome**

Thanks for joining us!
[Community Participation Guidelines](#)

ESIP Meeting Session Notes

- Invite attendees to share their name/affiliation/location and any additional info you request in the Attendance & Check-in section above.
- Assign any roles needed (additional notetakers, Zoom moderators, etc.)
- **State Session Goals**
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Resources for this session

Upload to your session resources to the following link:

https://drive.google.com/drive/folders/1h9oYC0ZU-Zty_vZSIP0pBT733z91Lyvr

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Before session close:

- **Capture 3 Takeaways & Shared insights**
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- **Closing**
 - Share any reminders about how to engage in the future.
 - Shout-outs & thanks.

Ways to stay involved with ESIP

- Join the conversations on our [ESIP Slack Channel](#) and say hello on #general.
- Keep up with the latest from in and around ESIP by signing up for the [ESIP Update](#) or the mailing list of this group.
- Hop on the [ESIP Community Calendar](#) and join a Collaboration Area call that interests you - no need to RSVP!
- Share ideas and stay connected with the #EarthScienceData community on LinkedIn: Follow us [@Earth Science Information Partners \(ESIP\)](#)

Feedback

Please share your feedback on this session in <https://2026julyesipmeeting.sched.com>.

Thanks for participating in #ESIP2026
Reach out to staff@esipfed.org with questions

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ESIP Meeting Session Notes

Paste in Zoom Chat notes that you would like to save here

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