DOE ARM Future of LASSO Workshop

Agenda

Time zone is Mountain Daylight Time (UTC−6)

Thursday, November 2, 2023

9:00 a.m.	Welcome and meeting overview
9:10 a.m.	Introductions of participants
9:30 a.m.	LASSO overview

9:50 a.m.   Current Scenarios: Shallow convection at SGP
- Scenario overview
- User highlight by Graham Feingold
- Discussion

10:40 a.m.   Morning break

10:55 a.m.   Current Scenarios: Deep convection during CACTI
- Scenario overview
- User highlight by Zhe Feng
- Discussion

11:30 a.m.   Evaluation of the state of LASSO
- Lessons Learned
- Discussion: What is liked? What could be improved?

12:15 p.m.   Lunch (self pay)

1:45 p.m.   How can LASSO increase scientific impact and better address its primary goals?
- Intro comments: Research target groups
- Discussion: Enabling use of ARM observations
- Intro comments: Institutional modeling outreach
- User highlight by Yunyan Zhang, PI of THRED
- Discussion: How can LASSO effectively integrate with the larger modeling community?

3:00 p.m.   Afternoon break

3:15 p.m.   How might LASSO operate better going forward?
- Balance of scenario variety, modeling approach, throughput
- Optimization of LASSO elements for utility

- How much modeling should ARM provide (meso vs. LES)?
- Is the level of observations appropriate? Better links out?
- Data packaging and distribution options
- Data access/interface options: Are the resources for working with ARM data adequate?

4:30 p.m.   Open discussion for topics of interest

5:00 p.m.   Adjourn for dinner
6:00 p.m.   Dinner at Boulder Social, 1600 38th St., Boulder (self pay)

Friday, November 3, 2023

9:00 a.m.   Summary of what we heard yesterday & feedback

9:25 a.m.   Prioritization for the next 5 years
- What science foci are optimal for LASSO to address & ways to identify the user groups per scenario
- What are the considerations for prioritizing ARM locations?
    - ENA, Arctic, BNF, EPCAPE, TRACER, COURAGE, CAPE-K, other?
    - What additional observations and/or retrievals should be developed to support LASSO?

10:35 a.m.   Break

10:50 a.m. Prioritizing, cont.
- Discussion: Balancing priorities–resource constraints versus science needs
    - Talk about currently available resources and how we fit within them
    - What are acceptable compromises?
- Discussion: Summary of feedback and participants' input on needed discussions
    - Missed topics?
    - New or continued discussion topics?

11:30 a.m.   TBD, open slot

12:00 p.m.   Adjourn