



2023 Agenda

Environmental System Science Principal Investigator Meeting

May 16–17, 2023 • Hybrid Meeting

TUESDAY, MAY 16

- *Overview of Programs and Updates*
- *Plenary Session I: Transferability*
- *Concurrent Sessions I*
- *Optional Lunch Breakouts*
- *Poster Session I*

WEDNESDAY, MAY 17

- *Plenary Session II*
- *Concurrent Sessions II*
- *Optional Lunch Breakouts*
- *Poster Session II*
- *Plenary Session III*
- *Closing Remarks*

NOTE: All times EST



U.S. DEPARTMENT OF
ENERGY

Office of
Science

Biological and Environmental Research Program

NOTE: All times EST

TUESDAY, MAY 16

Overview of Program and Updates

Regency Ballroom

Moderator: Beth Drewniak

8:00 a.m. Welcome and Introductory Comments

Speaker: Beth Drewniak

8:05 a.m. BER Programs

Speaker: Gary Geernaert

8:10 a.m. Office of Science Activities and Initiatives

Speaker: Sally McFarlane

8:15 a.m. ESS Program Update

Speaker: Paul Bayer

Plenary Session I — Transferability

Regency Ballroom

Moderator: Brian Benschoter

8:30–9:00 a.m. A World of Tiny Lives: Wild Microbial Ecology

Speaker: Bruce Hungate

9:00–9:30 a.m. Catalyzing Scientific Collaboration Through Synthesis and Scientific Synthesis Through Collaboration

Speaker: Jill Baron

9:30–9:45 a.m. Twin Ecosystems Project: Cross-Scale Investigations Using Coupled Lab and Field Ecosystems

Speaker: Kirsten Hofmockel

9:45–10:00 a.m. Building Collaborations: Transferability of Carbon Science and Ecosystem Modeling Across Research, Industry, and Disciplines

Speaker: Jennifer Holm

10:00–10:30 a.m. Break

Concurrent Sessions I

**10:30 a.m.–
12:30 p.m.**

Session A: ESS-DIVE Tutorials: Managing Project Data on ESS-DIVE

Room: Top of the Town

Organizers: Joan Damerow and Charuleka Varadharajan

Session B: Scientific Computing

Room: Old Georgetown

Organizers: Ben Bond-Lamberty and Gregory Lemieux

Session C: Coastal and Terrestrial-Aquatic Interfaces

Room: Diplomat/Ambassador

Organizers: Gil Bohrer and Inke Forbrich

Session D: Disturbance and Resilience

Room: Regency Ballroom

Organizers: Allison Myers-Pigg and Michelle Newcomer

12:30–2:30 p.m. **Lunch**

Optional Lunchtime Breakouts

1:30–2:30 p.m.

ESS-DIVE Tutorials: Creating and Publishing High-Quality Datasets

Room: Old Georgetown

Organizers: Joan Damerow and Charuleka Varadharajan

Poster Session I

Rooms:

- Posters 1–84: Cabinet/Judiciary
- Posters 85–137: Chesapeake/Embassy Suite
- Posters 138–186: Terrace
- Posters 187–215: Regency Annex

2:30–4:00 p.m. **Poster Subsession A**

4:00–5:30 p.m. **Poster Subsession B**

5:30 p.m. **Adjourn**

WEDNESDAY, MAY 17

Plenary Session II

Regency Ballroom

Moderator: Jennifer Arrigo

8:30–9:15 a.m. Early Career Panel

Speakers: Beth Herndon, Emily Graham, James Stegen, Jorge Villa, and Charuleka Varadharajan

9:15–9:30 a.m. USGCRP Assessments

Speaker: Mike Kuperberg

9:30–9:40 a.m. Outcomes From the 2023 ESS Cyberinfrastructure Working Groups Meeting

Speaker: Dave Moulton

9:40–9:50 a.m. EXCHANGE/MONet

Speakers: Nicholas Ward and John Barger

9:50–10:00 a.m. AmeriFlux Update

Speaker: Margaret Torn

10:00–10:30 a.m. Break

Concurrent Sessions II

**10:30 a.m.–
12:00 p.m. Session A: ELM for Empiricists: Processes, Parameters, and Hands-On Experience With a Land Model**

Room: Top of the Town

Organizer: Benjamin Sulman

Session B: Remote Sensing/AI-ML/Crowdsourcing

Room: Old Georgetown

Organizers: Eoin Brodie, Tim Scheibe, Robinson Negrón-Juárez, and Marcos Longo

Session C: Root and Microbial Interactions

Room: Diplomat/Ambassador

Organizers: Caitlin Hicks Pries, Edward Brzostek, Kirsten Hofmocker, and Amir Ahkami

Session D: Land-Atmosphere-Hydrology Coupling

Room: Regency Ballroom

Organizers: Payton Gardner and Shawn Serbin

12:30–1:30 p.m. Lunch

Optional Lunchtime Breakouts

12:30–1:30 p.m. Urban Integrated Field Laboratories

Room: Old Georgetown

Organizers: Cristina Negri, Ben Zaitchik, Paola Passalacqua, and David Sailor

12:30–1:30 p.m. MONet/EXCHANGE Information Table

Room: Regency Annex

Organizers: John Barger and Nicholas Ward

Poster Session II

Rooms:

- Posters 1–84: Cabinet/Judiciary
- Posters 85–137: Chesapeake/Embassy Suite
- Posters 138–186: Terrace
- Posters 187–215: Regency Annex

1:30–3:00 p.m. Poster Subsession C

3:00–4:30 p.m. Poster Subsession D

Plenary Session III

Regency Ballroom

Moderator: Dan Stover

4:30–5:00 p.m. PIER Plan

Speaker: Julie Carruthers

5:00–5:15 p.m. Engagement with Community

Speaker: Bob Bolton

5:10–5:30 p.m. Energy Earthshots

Speaker: Devinn Lambert

5:30–5:35 p.m. Closing Remarks

5:35 p.m. Adjourn