

NADP Spring 2023 Meeting  
Critical Loads of Atmospheric Deposition (CLAD)  
Science Committee Meeting  
May 1, 2024

The meeting will be hybrid, with both in-person and remote connections. If you plan to attend remotely, please register in advance at this site and then follow links in the email to register for the CLAD Zoom session: <https://nadp.slh.wisc.edu/spring2024/>

Log in and Welcome, 8:30 am CT

- Meeting logistics
- Agenda overview

Project Updates, 8:40 am CT

8:40am: CLAS update (*Linda Pardo*)

8:45am: CL Hub Demonstration and Discussion (*Annelise Eagleton and Linda Pardo*)

9:15am: Handbook update (*Linda Geiser*)

9:25am: Web map of TDep vs CMAQ Exceedances (*Todd McDonnell*)

9:40am: Conditions & Trends data (*Mike Bell*)

Working Group Updates, 10:00 am CT

10:00am WG1: National CL Database (*Jason Lynch*)

10:05am WG2: Critical Load Uncertainty (*Chris Clark*)

10:10am WG3: Critical Load Synthesis (*Linda Pardo*)

10:15am WG5: CLAD Education and Outreach (*Linda Geiser and Jen Phelan*)

10:20am WG6: Critical Levels of Ozone (*Jeff Herrick*)

BREAK, 10:25-10:45 am CT

Canadian Critical Loads, 10:45 am CT:

- Why do different models predict different amounts of Sulphur and Nitrogen deposition? (*Paul Makar, ECCC*)
- Critical loads for alkalization in terrestrial ecosystems (*Shaun Watmough, Trent University*)
- Next steps

Planning, 11:15 am CT:

- Synthesis papers, planning and next steps (*Linda Pardo*)

LUNCH, 12:00-1:30 pm CT

Nutrient Loading and Harmful Algal/Cyanobacteria Blooms, 1:30-3:45 pm CT:

1:30pm: Distribution of Cyanobacteria and Microcystin in US Lakes Driven by Combination of Lake, Watershed, and Climate Characteristics (*Amalia Handler, EPA*)

1:50pm: Nutrients in Smoke and the Potential Effects on Algal Blooms in Downwind Waterbodies (*Stephen LeDuc & Nicole Olson, EPA*)

2:10pm: Estimates of lake nitrogen, phosphorus, and chlorophyll-*a* concentrations to characterize harmful algal bloom risk (*Meredith Brehob, ORISE-EPA*)

2:30pm: BREAK

2:45pm: Harmful Cyanobacteria Blooms and Forest Management (*Jill McMurray, USFS*)

3:05pm: Forecasting Freshwater Cyanobacterial HABs for Sentinel-3 Satellite Resolved U.S. Lakes and Reservoirs (*Blake Schaeffer, EPA*)

3:25pm: Harmful Algal Bloom Science and Management in National Parks (*Jamie Kilgo & Emmi Felker-Quinn, NPS*)

FIA Datasets and Critical Loads Working Group Time, 4:00 pm CT

- A1 Scenario Overview (*Chris Clark*)
- Other topics related to coordination on use of FIA data and possible attendance at FIA stakeholder meeting in Fall 2024

END OF SESSION, 5:00 pm CT