

The National Atmospheric Deposition Program presents:

The Critical Loads of Atmospheric Deposition Virtual Seminar Series

4th Wednesday of the month from 2:00p-3:30p EST (12:00p – 1:30 MST)

In celebration of the 50th anniversary of the Clean Air Act, we are taking a deep dive into the state of the science regarding ecosystem impacts from sulfur and nitrogen deposition. Critical loads of nitrogen and sulfur are atmospheric deposition thresholds at which ecosystem harm begins to occur. Between 1990 and 2019, annual emissions of sulfur dioxide and nitrogen dioxide emissions fell by 94% and 85%, respectively. However, deposition still harms ecosystems across the United States. Join the experts as they share how data is collected, how different ecosystem components are responding to acidic deposition, and how this information is being used in policy and land management decisions.

Register today at: <https://tinyurl.com/cladseminar>

Schedule

- Jan 27** Introduction to critical loads of N and S and deposition models
- *Emmi Felker-Quinn | National Park Service*
 - *Mike Bell | National Park Service*
- Feb 24** Critical loads of N and S for epiphytic microlichen
- *Linda Geiser | U.S. Forest Service*
 - *Rob Smith | U.S. Forest Service*
- Mar 24** Critical loads of N and S for tree growth and survival
- *Linda Pardo | U.S. Forest Service*
 - *Justin Coughlin | Environmental Protection Agency*
- Apr 28** Critical loads of N and S for herbaceous species and herbaceous richness
- *Chris Clark | Environmental Protection Agency*
 - *Todd McDonnell | E&S Environmental Chemistry*
- May 26** Critical loads of N and S for aquatic resources
- *Jason Lynch | Environmental Protection Agency, Todd McDonnell | E&S Environmental Chem*
 - *Leora Nanus | San Francisco State University*
- Jun 30** Critical loads of N and S for soil, mycorrhizae, and microbes
- *Erik Lilleskov | U.S. Forest Service*
 - *Michala Phillips | U.S. Geological Survey*
- Jul 28** A synthesis of the current state of critical load science and how data are used by federal agencies
- *Tara Greaver | Environmental Protection Agency*
 - *David Gay | National Atmospheric Deposition Program*

Presentations will be recorded and available to the public.

Please send questions to
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