



NADP TDep Workshop

Connecting Stakeholder and Science Perspectives to Better Understand the Linkages Between Agriculture and Reactive Nitrogen Deposition

November 4, 2019 • Boulder, Colorado
Embassy Suites Hotel

Purpose of the Workshop

The National Atmospheric Deposition Program (NADP) Total Deposition Science Committee (TDep) is organizing a 1-day workshop “*Connecting Stakeholder and Science Perspectives to Better Understand the Linkages Between Agriculture and Reactive Nitrogen Deposition*” to be held in conjunction with the Fall 2019 NADP Science Symposium.

TDep members and collaborators recently completed a white paper outlining science needs for continued development of reactive nitrogen (Nr) deposition budgets in the U.S. (<http://nadp.slh.wisc.edu/committees/tdep/reports/nrDepWhitePaper.aspx>). Improving current understanding of the role of agriculture in Nr deposition is identified as an overarching theme where important data and knowledge gaps persist. Advancements needed to address these gaps span a number of research areas including:

- Characterization of spatial and temporal patterns of reduced N (NH_3 + NH_4^+) deposition
- Better understanding of Nr emissions from agricultural and non-agricultural sources
- Improvement of atmospheric deposition models
- More accurate source apportionment of Nr deposition

This workshop is being held to discuss recent advances and future directions in these topic areas and to better understand the interests and needs of stakeholders that can contribute to, and benefit from, better understanding the role of agriculture in Nr deposition.

Workshop Format

The workshop will consist of invited presentations and panels. The morning session will be science focused, organized around the research areas mentioned above. The afternoon session will be stakeholder oriented. In this session, invited speakers and panel members will include participants from Federal and State agencies, tribal communities, commodity and agricultural organizations, and non-profit groups. Presentations and discussions will address stakeholder perspectives on the need to better understand the linkages between agriculture and Nr deposition and explore opportunities for closer engagement through NADP.

Workshop Products

Products from the workshop will include a summary report to be posted on the NADP website and a stakeholder engagement plan for TDep. Potential for a journal article focused on engagement with the agricultural community will be discussed during the workshop.

Connection to NADP Science Symposium

The TDep agricultural workshop will be held on Monday, November 4th at the Embassy Suites Hotel, Boulder.

NADP Technical and Science Committee meetings, which are open to all, will continue on Tuesday, November 5th at the Embassy Suites Hotel.

The annual NADP Scientific Symposium will be held on Wednesday and Thursday, November 6-7 on the campus of University of Colorado-Boulder.

All workshop attendees are encouraged to submit abstracts for poster or oral presentations at the NADP science symposium.

An optional field trip to the Boulder Creek Critical Zone Observatory (BcCZO) will be held on Friday, November 8.

Fees

- TDep Workshop ONLY (Mon., Nov. 4th) - \$90
- Workshop included with Conference Registration - \$0
- Full Conference including workshop:
 - Register BEFORE Oct. 5th: \$395
 - Register AFTER Oct. 5th: \$600
 - Student Registration - \$75
- Optional Field trip - \$40

For additional information and workshop/symposium registration, see the NADP 2019 website -

<http://nadp.slh.wisc.edu/nadp2019/>

Sponsorship: NADP welcomes meeting sponsors. If you wish to contribute to the workshop or science symposium, please contact NADP Program Coordinator Dr. Michael Olson (michael.olson@slh.wisc.edu).

Questions about the Workshop: Please contact John Walker, U.S. EPA, walker.johnt@epa.gov

Questions about the Science Symposium: Please contact David Schmeltz, U.S. EPA, schmeltz.david@epa.gov

