

## STEAC MEETING REPORT (01/18/2023)

The STEAC met on January 18th, 2023, with a quorum of thirteen members attending (Meghan Avolio, Michael Dietze, Rich Fiorella, Sparkle Malone, Jackie Matthes, Kim Novick, Steve Petruzza, Sydne Record, Daniel Rubenstein, Shawn Serbin, Sydne Record, and Adrienne Sponberg). Five NEON-Battelle staff attended (Darcy Gora, Chris Florian, Teresa Burlingame, Paula Mabee, Bonnie Meinke, and Kate Thibault).

The meeting was virtual, and the following topics were discussed: I. Announcements, II. Dry deposition data products, III. Spring meeting planning.

- I. **Announcements:** Paula expressed her appreciation for the STEACs report following the 2-day meeting in December. Additionally, the public announcement for the TOS sampling suspension at five NEON gradient sites will go out next week. NEON has been working with Assignable Assets PI's and the NSF to coordinate the announcement.
  
- II. **Dry deposition data products:** Chris Florian presented an optimization proposal for the Dust data products that are currently being measured at six NEON sites in the Rocky Mountain region. This is the only regional science question that involves unique data products and instruments in the NEON design. Due to challenges with maintaining the DustTrak and HiVol instruments, NEON is considering a change to the sampling protocol for the dry deposition data products.

Option 1: Discontinue both data products (Annual cost savings of \$49k).

Option 2: Upgrade sampling equipment at six sites (\$294k Particulate Size and \$165k Particulate Mass)

Option 3: upgrade and add sampling equipment at all 47 sites (\$1.8M Particulate Size and \$760k Particulate Mass)

There are other continental scale networks that measure wet and dry deposition, the National Atmospheric Deposition Program National Trends Network, Status and Trends Network (CASTNET), and several other NADP networks focusing on mercury and ammonia. *Therefore, the members of the STEAC recommend that NEON reach out to other networks and agencies to potentially pursue collaborative arrangements to collect dry deposition data before considering making changes to the data products. The STEAC is also interested in understanding what is currently being done with the data. Prior to considering any changes to the sampling protocol, the STEAC recommends that NEON should also contact the PIs using the data to better understand the potential impacts of these data products.*

- III. **Spring meeting planning:** Participants discussed optimal times for a 2-day spring meeting ([May 15 - 19th](#)). All participants will complete a poll and the days with the greatest availability will be chosen.