

Ecological Response and Outreach Subcommittee

**NADP Spring Meeting
Fort Lauderdale, FL
April 15-16, 2014**

Meeting Minutes

April 15, 2014

Notes take by Molly Woloszyn

Participants:

Andrew Johnson, ME DEP
David Gay, Program Office
John Walker, EPA
Bob Larson, Program Office
Chris Lehmann, Program Office
Ray Knighton, USDA NIFA
G. Maria Hubbard, SCSU
Cari Furiness, NCSU
Marty Risch, USGS
Susan Braxton, UI
Brian Kerschner, Program Office
Selma Isil, AMEC
Chris Rogers, AMEC
Donna Schwede, EPA
Molly Woloszyn, UI

By Phone: Pam Padgett, USFS
Maggie Kerchner, NOAA

Call to order and introductions

DataCite DOIs and the UI EZID Pilot Project - Susan Braxton

- Helped with assessment/citations of NADP data
- Google Scholar – searches within full text
 - From 2010: about 1,000 works contain phrase “National Atmospheric Deposition Program”
 - 90 also contain NRSP-3 (how people should cite the data)
- Case study of 75: 51 used NADP data, 9 cited NADP data in the bibliography (over 80% did not cite it in the bibliography – therefore, cannot track through Web of Science, Data Citation Index, or h-index)
- There is not a formalized way on how to cite data in bibliographies
 - Data citation is a new focus of the library science fields
 - DataCite – group

- Data Citation Index – many Universities providing access to this (Thomson Reuters)
 - NADP has been invited by Thomson Reuters
- DOIs
 - <http://dx.doi.org> & DOI = persistent link
- DataCite Content Service
 - Provides a downloadable citation from data cite record
- EZID – unique “shoulder” for NADP data
- Eligible data resources
 - Data set
 - Database
 - Code (e.g. models)
 - Visualizations
 - Collections

April 16, 2014

Overview and discussion of Education and Outreach project proposal – David Gay and Molly Woloszyn

Discussion with EROS

- Education component
 - Ray Knighton: we have to do something with Universities and especially undergraduates
 - Idea: come up with case study to incorporate into curriculum into those types of courses
 - Train minority students – agriculture another field possibility National 4-H Curriculum
 - Proposal for national 4-H curriculum: \$50-\$100K to develop
 - Where money would come from
 - Pick a topic that has media appeal and a potential funder – put RFP out to Land Grant Extension to develop experiment
 - Ag in the Classroom – USDA NIFA (K-12): Agriculture related content geared towards elementary
- eNewsletter
 - 1-2 paragraph spot where people from EROS could do a guest article
 - Distribution lists: All emails – technical committee lists, Acid Rain 2015, ARS Station directors (regional directors), ARS research leaders, ANR Extension coordinators, NRSP-3 PI’s, Science educators in high school list
 - Action: develop an editorial board
 - Help with format initially
 - Then content selection for each issue after that
 - GOAL: September 1, 2014 for first release – before October meeting
- Agriculture extension plan
 - Ray Knighton: would like to see a broader component on professional outreach (to ag scientist community)

- Idea: outreach and education of ARS scientists
 - Reach out to specific individuals and invite to fall meeting? Spend time in subcommittee to talk about how they can become a part?
 - USDA scientists that now have projects with NRSP-3 and create new multistate research committee – this would be a way to get scientists together to work on common research.
- Policymaker
 - What if we were to send out a map of stations being lost by congressional district?
 - “Information sharing” with congress: David’s idea has always been what we need to do more of is provide policy makers with the results of our measurements – if we do this effectively, it SHOULD give them the idea that we need long-term support for this.
 - Maybe reach out to agriculture congressional committees
 - Sponsor a congressional meeting – bring David in to give a lunchtime presentation – then staffers want noon-time congressional briefings (have done one for mercury before).
- Long-term support for this outreach position?
 - Currently, working 10% time with NADP
 - We have money at the program office to support this position
 - Part-time, long-term multiple years (current thinking)
 - Full-time could be discussed if the position is desired

Overview of ad hoc committee ideas for updating NADP education page

Task 1 - Explore and identify specific science standards that are appropriate for NADP-based projects or curriculum – Donna Schwede

- Teachers are driven by standards – we need to make these connections clearer (easier for them to jump in and use this material)
- Challenge: state vs. national standards – seems best if we go towards adopting NATIONAL standards
- Next Generation Science Standards (NGSS): www.nextgenscience.org
- Have to adopt this vocabulary if you want to develop curriculum
- This is probably a longer term goal since it’s best if we probably wait and see how NGSS is adopted by various states
 - National level is where we have to be
- Ray Knighton – continuing education credits: high school teachers participated in coming to the lab for an internship in the summer – if we are going to do this, we need to be more engaged, not just creating curriculum
 - Actively engage teachers – they will more than likely take this back to the classroom
 - One way we could be active: produce content; but then somehow offer webinars or something like that (offer CEU’s) to engage teachers
- Teachers also want videos to show this information to their students – have a scientist talk about nitrogen cycle
 - Webinar to learn the material

- Videos to bring scientist to classroom to teach about the Nitrogen Cycle – we could take the ideas in the Nitrogen in the Nation’s Rain and create videos based on this content

Task 2 - Updating Nitrogen in the Nation’s Rain brochure

- Go through section by section to provide newer, more recent examples
 - Build on the Nitrogen Cascade concept
 - Action: John could take the lead on a draft of the revised brochure that could be proposed – come back in the fall with something we could further discuss

Task 3 - Existing websites, annotated portal – Pam Padgett

- Environmental Science merit badge
 - For each merit badge, they have a whole set of hyperlinks on there
 - Not sure the process for getting on the list of hyperlinks for Boy Scouts
- Action: Molly work with Pam to find these resources

Summary of motions:

Motion to direct program office to work on three short term goals:

- 1) Establishing social media presence. Facebook, twitter and Linkedl.
One or two highlights per week.
- 2) Start an electronic newsletter for distribution beginning Sept. 2014. Establish editorial board of 5 members – John Walker, Pam Padgett, Maggie Kerchner, Molly Woloszyn and Chris Rogers;
- 3) Update “Nitrogen in Nation’s Rain Brochure” for Fall 2014 meeting (also in Spanish).