December 5, 2022 Education Working Group Call

Attendees: Cazimir Kowalski, Abby Lewis, Mary Lofton, Alyssa Willson, Jody Peters, John Zobitz
Regrets: Gerbrand Koren

Agenda/Notes:

1. Poll for scheduling Jan-May monthly calls.

2. RCN June 21-23, 2023 Unconference at NEON HQ Save the Date
   a. Bringing People Together to Do Forecasting: Training, Technology, Theory, and Translation
   b. The goal of the Unconference is for participants to work together to produce a product such as getting a forecast up and running, developing teaching materials, finalizing tutorials, refining or creating tools, analyzing forecasts for a manuscript, and/or developing visualizations. The event will also include a poster session for attendees to present their research.
   c. Space is limited to 50 people. Short application will be available Jan 1 and due Feb 1. Applicants will be notified Feb 15.
   d. For people on this call, the RCN is interested in how to make the Challenge more accessible and useful for teaching and education. So something to think about for this group is to think about what is still needed.
      i. 2 directions to go proposed by Jason
         ● 1) Take the Challenge and move it towards things like EDDIE that are more accessible that is framed at a more general audience
         ● Freya Olsson at VT has developed workshop materials for the forecast challenge.
           https://github.com/OlssonF/GLEON-forecast-challenge
         ● 2) Because it is focused on NEON sites, it is hard to tie it into places. It could be done by creatively thinking about how NEON data can inform the challenges that applied/management have
         ● Think about how to use the NEON cyberinfrastrcuture and apply it in a location/community that is not at a NEON site
         ● Could do something like this to set up a renewal grant for the RCN to apply the NEON Challenge outside of NEON sites
         ● Want to crowd source it so it is useful for different institutions and contexts

3. Updates or Requests for Input
   a. Ethics in Forecasting Project Updates
      i. Authorship guidelines
      ii. Updates on writing

- - Caz has an updated draft on Jason's desk that he is hoping to get to early this week
    - Abby thinks Olivia and Dexter are in this same situation - busy end of semester
  iii. Did Abby get a chance to reach out to the editor?
    - Question was about data publishing and data availability. The journal wants to make the data available
    - Wait to talk to the editor after seeing the module from Caz/Jason
  b. Sensing the Earth Meeting Update from Jody and Mary
    i. [CLEAN](#) Educational Resources (Climate and energy educational resources
    ii. [Carpentries Toolkit of IDEAS](#) (Inclusion, Diversity, Equity and Accessibility Strategies) is a resource tailored for Carpentries' Instructors, helpers, and workshop hosts, but which is applicable to other teaching and hosting workshops. Provides things to think about in regards to Inclusion, Diversity, Equity, and Accessibility before, during, and after a workshop
  c. Macrosystems EDDIE - no updates at this time
  d. Other potential updates
    i. Gerbrand updates
    ii. Anna - Forecasting, Prediction, Projection Vocabulary Manuscript
    iii. Antoinette's learning goals and concepts
  e. [ESA Ecology Education Survey Twitter Request](#)
    i. Calling ecology educators! ESA invites you to take this first-of-its-kind survey on how undergraduate ecology is taught. Anyone teaching ecology to any degree in a STEM or other course within the last three years is invited https://surveymonkey.com/r/ESA-TUES22
  f. Announcement from John - FYI: This spring I am leading an Faculty Mentoring Network on modeling soil respiration: https://twitter.com/BioQUESTed/status/1598390113423478785 We want faculty from primarily undergraduate institutions, so please share widely with your networks! Application deadline extended to Dec 15.
    i. Will work with faculty - buy them LiCor and work with them to develop
    ii. Undergrad institutions, community colleges, and do some DEI work on culturally responsive