

October 12, 2020 Education Working Group Call

Attendees: Anna Sjodin, Alyssa Willson, Jason McLachlan, Diana Dalbotten, Jody Peters, Laura Super

Regrets: Olivia, Shannon

Agenda/Notes:

1. Note from Shannon - she has had another biweekly meeting scheduled at this same time so will be joining sporadically. She would love to stay involved so we shouldn't hesitate to reach out and tag her if there is something useful she can do
2. Forecasting, Prediction, Projection Manuscript (Anna and Gretchen)
 - a. It has been on hold
 - b. Next steps - go through what the grad team has written
 - i. Start with Bjorn's images
 - ii. Will need help getting citations. Look for places with "CITE" in the draft text
 - Laura will help look for citations (in two weeks, late October, busy until then)
3. Update from Laura:
 - a. Kindness Project - grass roots group of undergrad, grad, faculty, and staff open to anyone from any academic institution (or outside the institution) to work on kindness in academia and society in general
 - b. Microaggressions play - this will be a play developed by a group of students, faculty, and staff focuses on microaggressions. Once the play is built it will open to anyone to view and participate
 - c. Universal Design for Learning (UDL) and reflective practice questioning - Ecology and Evolution accepted publication
 - d. [Cicely Blain - DEI consultant](#) - presenteeism, etc. very positive consultant
 - e. Mentoring K-12 and undergraduates - please poke if interested as working through NEON data website right now, and trying to make more accessible
 - f. Potential resources (look at with your own interests, as healthy discussion, disagreement is helpful: Here is where I am at: This author is more along where I am going which is anti-oppressive education for everyone [all genders, races, disabilities, etc.]: Anti-oppressive education, intersectionality, implicit bias make sense to me: <https://www.kevinkumashiro.com/publications>
<https://www.youtube.com/watch?v=XzaxdqIFj1g>
<https://www.youtube.com/watch?v=Hg5xYHW-oxw>
https://www.ted.com/talks/kimberle_crenshaw_the_urgency_of_intersectionality?language=en)
4. RCN Education Effort Updates (Jason)

- a. The summer 2021 Agenda will have an Education focus ideas
 - i. RCN Challenges design are going well
 - ii. The Challenges will provide the opportunity to come up with an educational angle on the forecasts
 - iii. Want to have done enough background work ahead of time and to have separate workshop on DEI of pedagogy and approaches
 - iv. Think about how to make Challenges accessible and fill in some of the gaps
 - v. Over the next couple of months think about a couple of things for the group to think about related to the RCN Challenge will be useful to focus on as a group
 - vi. Challenge themes will be starting in the spring. Terrestrial starts in January and others roll out in Feb, April, etc
 - vii. Quinn, Mike, and Carl incorporating Challenges in their course in the spring. See if they can join this call in the spring to get ideas
 - If we have 3 examples of how people are using the Challenge at the grad level then we might be about done with grad level work and then could think how to make it more accessible at different levels
 - See what they are doing, get their syllabus, and align it with Alyssa's list of educational to be another way to find the gap
 - Idea for Forecast Challenge registration form: Are you planning to use the Challenge in your courses? Or would you be willing to use it in future course or lab activities?
 - viii. Sloan funding helped get EFI started and funded 2019 EFI Meeting. Submitted a short proposal about a number of ideas where we could use some more funding some of which is focused on
 - ix. One thing to talk about in an upcoming meeting is to discuss applying for [NSF-funded INCLUDES](#) proposal - this is an STC level proposal that focuses on DEI issues. NSF wants a network of people you are working with that is real and concrete and that can spread. The network of people we identified in the STC and if we could combine that with the RCN Challenge network and the whole EFI community to come up with something that is useful.
 - Would be helpful for people to look at the RFP
 - Think about the potential to bring in ESA. This is the type of large organization commitment that NSF is looking for. And an organization that we already have a number of connections with.
 - Botanical Society of America is another good organization to think about connecting with
5. Compilation of resources for undergrad education (Alyssa)
- a. Document of resources. These are all the resource compiled so far and categorized into the forecasting steps

- i. Want something targeted toward end users of forecasts. If anyone knows of these type of resources, please send them to Alyssa.
 - ii. Easy to see where there are gaps
 - iii. But resources for undergrads for general ecology are taken care of - we have lots of them. But to move them into forecasting there are many gaps. E.g., workflows, computation
 - iv. Quantitative things happen later in educational career and many people would have liked to do it. But it is too late. Think about how a stats class could have you do good science or how a science class could have you do forecasting (without having to do a combined degree in stats and ecology)
 - v. Thinking about how to think about how to incorporate curriculum into courses
 - vi. Case study examples could be useful - they provide an example for the undergrad class and could be good for the end users
6. One idea is to create a document for guidance counselors for what courses undergrads can take that helps with forecasting. Guidance counselors have a huge amount of influence on how people learn.
7. Items for next call -
 - a. talk to Mike, Quinn, Carl about their spring forecasting courses
 - b. INCLUDES grant
 - c. Gaps Alyssa's resource compilation has shown - what are some options for the group on how to address some of the gaps