**LTER Education Committee Conference Call**

**June 7, 2016**

**3:00-4:00 pm ET**

**MINUTES**

1. Attendance

Jill Haukos (KNZ) – Co-Chair, Caitlin Potter (CDR) – Co-Chair, Jason Love (CWT) - Secretary, Marty Downs (NCO), Cari Paulenich (CCE), Daniel Damelin (CODAP), Bill Finzer (CODAP), Lisa Hermann (CAP), Nick Oehm (FCE), Kari O’Connell (AND), Sam Norlin (NCO), Steven McGee (LUQ), Victoria Bonebrake (ESTEME), Sam Norlin(NCO), Noelia Baez (LUQ), Kara Haas (KBS), Janice McDonnell (PAL), Elena Sparrow (BNZ), Kim Eichorst (SEV), Audrey Kruse (SEV)

1. Approve May minutes

Minutes were approved.

1. New Business
   1. Network Communication Office – Marty Downs

Downs reported that the Science Council met and O’Connell presented for the E&O Committee. The restructuring of committees has been tabled for now. Standing committees include the E&O Committee and the Information Managers Committee; each of these will have a representative at Science Council. Each site will set their own policies on which data sets are pulled into PASTA. All-Scientists Meeting planning is currently in the works. The NCO is in the process of re-building the website. Norlin reported that 3 more childrens’ books are hot off the press.

* 1. Network Updates
     1. Science Council update – Kari O’Connell

O’Connell reported that there was a big representation from NSF at Science Council, which was positive. O’Connell reminded the committee that there is a Program Officer assigned to each LTER site and site PIs should be communicating with this person regularly. There was a big discussion about the EDI (Environmental Data Initiative) which is now encompasses more than just LTER. The NCO is now a voting member of the Executive Board and EDI is an ex-officio member of the Executive Board.

* + 1. EB Updates - Kari O’Connell

Nothing to report

* 1. Professional Development: Concord Consortium – Bill Finzer & Dan Damelin - Common Online Data Analysis Platform (CODAP) and how it can work with LTER Education. More info here: http://blog.concord.org/new-codap-website.

McGee introduced Finzer and Damelin. They were co-participants on the Data Jam proposal with McGee and others. Finzer presented CODAP to the committee and illustrated how the CODAP works in analyzing and illustrating data by using depth and location data from research on Elephant Seals. CODAP can both map and graph data. CODAP can use csv or tab-delimited files. It is possible for students in a classroom to work on the data all at once in CODAP and work on it separately. It is possible to have dual axes graphs. Damelin used existing LTER data and showed the committee how the data can be tweaked in CODAP to make it easier to analyze. Damelin illustrated how the modelling part of CODAP operates. CODAP is an evolving platform, so it is changing based on the needs of investigators. To introduce teachers to CODAP, Damelin uses simpler data sets first and then builds from there so the process isn’t so overwhelming. On the website there is a help forum if users get stuck.

* 1. Site Updates/Announcements

Haukos announced that they will be looking at ways to update the LTER E&O website and will be looking for feedback. Love is currently serving as Secretary but welcomes others to take over his duties since the Coweeta LTER is winding down.

* 1. Grant Announcements/Updates

McGee reported that they did a virtual symposium between New Mexico and Puerto Rico (LUQ) where 8 schools participated. Baez reported that the symposium was a big success.

* 1. Working Group Updates
     1. Professional Development – monthly topics for call

Nothing to report.

* + 1. Ecological Data Literacy – Alan Berkowitz, Kari O’Connell

McGee will take over as Chair of Ecological Data Literacy.

* + 1. Next Generation Science Standards – Steven McGee

Nothing to report.

* + 1. Children’s Book Series – Alex Rose

Nothing to report.

* + 1. Higher Education – Alan Berkowitz
       1. Topic discussion: Co-chair – anyone interested
    2. Citizen Science – Elena Sparrow

Sparrow reported on the national Citizen Science meeting in Minnesota. She was excited to see that citizen science is spreading to the medical field, heliophysics, outer space, and other fields. Sparrow reported that there was talk about possible changing “citizen” science to “community” science because for some the term “citizen” denotes a legal “citizen” of a country, which excludes many “non-citizens”.

1. EOC Meeting Schedule
   1. July 12, 2017 (one week later than our usual date)
   2. August 2, 2017
   3. September 6, 2017
   4. October 4, 2017
   5. November 1, 2017