**Citizen Science Subcommittee Conference Call**

**February 14, 2019**

**1:00-2:00 PM EST**

[https://ucsb.zoom.us/j/571638392](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.google.com_url-3Fq-3Dhttps-253A-252F-252Fucsb.zoom.us-252Fj-252F571638392-26sa-3DD-26ust-3D1550427856312000-26usg-3DAFQjCNGXfTleta50u-5FhIpTzvuUv882G4Tg&d=DwMFaQ&c=lhMMI368wojMYNABHh1gQQ&r=ZtFb78qpqAF8ITwVekwN4g&m=h7n1Fl0Wc9xFv0ePn0fl2S0rYZyceJhG-epZDimSVNI&s=ZfqE7-yQUsQy1CE_NV8P_KFDdgkehSdDvyXiKBIS7Ng&e=" \t "_blank)

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**AGENDA**

1. Attendance
   1. Nicholas Oehm (FCE), Jill Haukos (KNZ), Sarah Thorne (HBR), Amanda Morrison (ARC), Lisa Herrmann (CAP), Annette Brickley (NES), Liz Duff, Noelia Baez (LUQ)
2. Overview
   1. Background
      1. Team of researchers
         1. University of Utrecht, Umeå University,
         2. The Netherlands Institute of Ecology
         3. Austrian Agency for Health and Food Safety Ltd.
      2. Used to make global soil map and improve global climate models
      3. History
         1. First bags buried in 2010
         2. 2014-2016 collected 2000 locations distributed across vegetation types
         3. 2017 Lipton changed from woven to nonwoven bags
   2. Protocol <http://www.teatime4science.org/wp-content/uploads/scientific.pdf>
   3. Largely terrestrial
   4. Lesson Plans <http://www.teatime4science.org/publications/#science>
      1. Teatime4GLOBE
      2. Methods paper <http://www.teatime4science.org/wp-content/uploads/2013_keuskamp_dingemans_et_al.pdf>
3. FCE LTeaER <http://fcelter.fiu.edu/research/>
   1. Two transects along salinity gradient
      1. Shark River Slough—six sites
         1. Western Everglades
         2. Moderate tidal influence
      2. Taylor River Slough—five sites
         1. Eastern Everglades
         2. Minimal tidal influence
   2. Research
      1. Working Groups
         1. Biogeochemistry
         2. Primary Production
         3. Organic Matter Dynamics
         4. Trophic Dynamics
      2. Cross Cutting Themes
         1. Hydrology & Water Policy
         2. Carbon Cycling
         3. Climate and Disturbance (hurricanes)
         4. Scenarios & Modeling
   3. Related
      1. Endangered Pine Rocklands also in Miami and easily accessible to school kids
   4. Working out “the bugs”
      1. Everglades is a wetland
         1. Slow decomposition rates
         2. Tidal
         3. Consumers could eat the bags—mesh bags
         4. Labeling—plastic key tags
      2. 90 day soak time
4. Interests and Action Steps
   1. Window screen contains fiberglass (arsenic)—what else can we use? NICK
   2. International
      1. Can NCO facilitate bulk purchase directly from Lipton? NICK
      2. Can NCO build a website or place for us to share data? NICK
      3. Check to see if protocol is appropriate—SITES
         1. <http://www.teatime4science.org/wp-content/uploads/scientific.pdf>
      4. Follow up with Marty regarding ILTER proposal—Nick
      5. Interested sites, please post targeted deployment dates at <https://docs.google.com/spreadsheets/d/1e90ArAXqZAq0yeKP3vg0ZuIROriVgkZb-NwxdjybppA/edit#gid=0>
5. Citizen Science Share-Out
   1. Any other Citizen Science programs running?
   2. Other ideas for Citizen Science projects?
      1. Lisa Herrmann (CAP)
         1. Weber meat thermometers to measure microclimate
            1. 5 points around 4 square meter area
            2. surface temp at center
            3. 1 meter out at 90 degree angles
            4. air temp 1m above
         2. Willing/Interested in presenting to subcommittee or larger group in March
      2. Liz Duff (PIE) erosion rates April
         1. Rebar deployed in the marsh along a transect
            1. Measures sediment height over time with school groups
            2. Possible to collaborate with other coastal sites?

FCE LTER

Deering Estate

Kampong

FIU Biscayne Bay Campus

* + - 1. Willing/Interested in presenting to subcommittee in April or EOC at a later date
  1. Share Out
     1. Annette Brickley (NES)
        1. Do you all know about SciStarter site? <https://scistarter.com>
        2. They show another group doing “Teacomposition” <http://bluecarbonlab.org/teacomposition-h2o/>
     2. Lisa Herrmann—Should we be using Community Science vs. Citizen Science?
        1. Some recognition challenges using Community Science
        2. Elena Sparrow may have her finger of the pulse of this discussion
     3. Amanda Morrison (ARC)--citsci.org is a Citizen Science site where you can set up your own project and do simple data analysis on your data.

1. Follow up
   1. Next meeting time/topic
      1. Doodle before February 22 to select a time <https://doodle.com/poll/263w4rp7nnz3p6ww>
      2. Topic
         1. LTeaER follow up
         2. Citizen Science Microclimates by Lisa Herrmann (CAP), possibly to the full committee on March 7th