MEETING MINUTES

CNH Lakes – Monthly Video Conference

October 4th, 2019

2:00 – 3:00 pm EDT (1:00 - 2:00 pm CDT)

Attendance: all project team members

1. Welcome & items from the team (Reilly)
   1. In order to use our CNH Lakes Github organization to store data privately, we should apply for an educational account
2. Papers currently under development (Reilly)
   1. What is the timeline on each of these?
      1. Nicole’s GLM Sunapee paper is being reviewed by co-authors currently, hope to submit this fall semester
      2. Kait’s Mendota vs Sunapee GLM paper is in the process of being resubmitted (have blocked off Oct 14 for meeting about this)
      3. Joe’s agriculture/LAGOS paper is being reviewed by co-authors, hope to submit next month or so
      4. Weizhe’s SDP-Cycles paper is in her hands, but she has another paper to work on first; will send to Kelly, then to other co-authors, hopefully in November
      5. Phosphorus modeling manuscript has been resubmitted
      6. 37-year Mendota GLM paper is in early draft stage; recent updates to GLM require that the model be rerun; should have results in two weeks
      7. Team Mgmt manuscript is being worked on by Reilly and Kelly; hope to have another draft out to co-authors in the next couple weeks
3. Upcoming conferences & events (Reilly)
   1. Would like to share CNH-related posters & presentations on social media
      1. Nicole will present on Sunapee water quality at NALMS, Nov 10-15
         1. Also running a workshop on visualizations of GLM
      2. From Jen: “local to global partnerships” linking lake associations with academic partners; Jen is lead organizer LSPA folks will be involved
      3. Several going to GLEON, Nov 4-8
      4. Oct 15 – Robert Wisconsin Symposium?
      5. Cayelan will run a Macrosystems Eddie module on Nov 1st
4. Potential activities for 2020 (Reilly)
   1. Dependent upon no-cost extension
   2. Nicole, Kak, and Cayelan are trying to organize stakeholder workshops for the Sunapee watershed, investigating how homeowners interpret water quality information; putting together IRB for this now, hope to have workshops in May
   3. Joe is interested in pursuing/hearing more about the simplified PIHM model that Chris has brought up, because this could be really useful for scaling
   4. Cayelan would like to see the PIHM model get finalized for Sunapee, so that linked PIHM-GLM can be run
   5. Robert and Yu have been thinking about coupling PIHM and GLM directly
   6. Right now Sunapee is developing a watershed plan, so if we could simulate where deforestation happens, with PIHM-GLM set up this way, we could run many simulations very quickly
5. Team updates (everyone)
   1. Scaling up (Joe)
      1. See manuscript updates above
   2. Social Sci (Adam)
      1. Going through resources from stakeholders in Mendota; will be on a call today with Dane County office about BMPs; will follow up with Armen to see what can be modeled; working on survey & IRB
   3. Hedonic (Kristen)
      1. Have started making progress on housing data; decided to pull all the data themselves, which will mean a smaller dataset; hiring an undergrad to help pull data from the public record, will start in a week on Minnesota
   4. GLM (Cayelan, Nicole, Robert)
      1. Cayelan has been heavily involved on major GLM updates (bugs that have been found over the past year); meeting with model leads and trying to get the code merged together
      2. GLM Mendota calibration doesn’t fit as well as before, given the new updates; believe that this will be a stable, final version
      3. Phosphorus modeling manuscript has been resubmitted to Ecological Modeling
   5. GLM (Lars)
      1. Arrival of spiny water flea (Bythotrephes)
      2. Lots of interest in the Cornell community on blue-green algae, as well as connections across watersheds, and social sciences
      3. They will build on the CNH project as they move forward on Oneida
      4. What work was done on Oneida?
         1. Not really a GLM focus on Oneida after Amy’s work
      5. Any plans to move forward with analysis of Oneida?
         1. Weizhe and Kevin have talked about Oneida hedonic model; it is doable and they plan to work on it, but they don’t currently have time, so it may be a while
   6. SDP (Weizhe)
      1. No updates