MEETING MINUTES

CNH Lakes – Monthly Video Conference

November 1st, 2019

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

Attendance: all project team members

1. Welcome & items from the team (Kelly & Reilly)
2. Preparing for our annual report to NSF (Reilly)
   1. Planning to start reaching out in late November to get each sub-team’s information for the annual report
   2. Will use a similar questionnaire-style document to last year, but this year will pre-populate with known information, so that the process is more streamlined
3. No-cost extension (Kelly)
   1. Kelly has already filed the no-cost extension through VT; they will file it with NSF
      1. One sub-contract (MSU) has already filed for an NCE
      2. Penn state has been fulfilled
      3. Other institutions should file for NCE with VT at any time
   2. Most of the remaining funds are “Participant Support Costs”
      1. VT doesn’t pay any overhead on these funds
      2. They are meant to support outside collaborators
      3. We can’t pay for VT employees to go anywhere, but we can fund people’s travel to come here
   3. So we want to open it up to ideas; what would people be interested in doing with these funds?
      1. (We will follow up on this to get people’s thoughts during the process of getting the information for the NSF report)
      2. Armen and/or Yuning and/or Felipe would be interested in visiting VT
      3. Robert and Paul might be interested too; will talk it over
      4. Weizhe would be interested in visiting
      5. Joe will defer to Kristen on whether it would be helpful to visit
   4. Thinking we will scale back on regular video conferences in 2020
4. Team updates (everyone)
   1. Cycles (Armen)
      1. Working on modeling Yahara with both Cycles and PIHM
      2. Have had to redo the analysis, because they could not make their systems compatible; redid the grid, rivers, etc. In doing so, they found that bogs are an area of denitrification to focus on (spending time on trying to get this part right); these bogs may be the reason there is sometimes very low nitrogen entering the lake
   2. SDP (Kelly, Weizhe, Adam)
      1. Kelly is still working on the manure problem; concerned that she won’t be able to reconcile her numbers with Joe’s; should we use these as endpoints of a range to consider, or use the average? Kelly has put together a table with the differences between estimates; will send to Armen. May want to just go with Joe’s numbers as a potential underestimate. Joe has some different numbers now, having found an error in the code; the numbers changed, but not drastically.
      2. Weizhe is hoping to be able to work on SDP papers soon.
      3. Adam is working on IRB protocol, incorporating comments on the survey, hoping to have an updated version soon.
   3. GLM (Robert, Nicole)
      1. After GLEON next week, will have more time to work on Mendota recalibration, hope to have it calibrated by December.
      2. Kait is resubmitting GLM Mendota/Sunapee to Ecological Modeling in the next week
      3. Much of the team will be at GLEON, Nicole will be presenting at NALMS
      4. Nicole has been working on data visualization workshop idea; thinking of having the workshops be relatively minimal, in terms of using funds; maybe getting out into the community, as opposed to bringing people together all at once.
      5. Nicole will have a new draft of her data visualization GUI to send out to everybody; this will have a feedback survey for last edits before the research portion begins
      6. GLM-Sunapee 30 year should be submitted soon
   4. Hedonic (Kristen)
      1. Still working on getting housing data, have a student employee helping to collect data
      2. Has a few lakes so far, starting to do some initial hedonic modeling, but have low transaction counts (most recent sales available, but not all sales)
      3. Joe says it’s feasible to get more water quality data manually; this might be useful for a few locations
      4. Hoping to get some initial hedonic estimates out by January, then moving to meta-analysis
   5. Scaling up (Joe)
      1. Been working on revisions to CHANS-LAGOS-Ag paper, wrapping up on these; using a lower threshold for % agriculture in a watershed – this made the analysis more challenging because it means more data; working on creating graphics
   6. Administrative (Reilly)
      1. Currently incorporating final feedback on the Team Management manuscript
      2. Starting to develop a shorter manuscript based on Leah’s thesis, to be submitted to LakeLine