MEETING MINUTES

CNH Lakes – Monthly Video Conference

August 3rd, 2018, 2:00 – 3:00 pm EDT (1:00 - 2:00 pm CDT)

Attendance: all project team members

1. Welcome & items from the team (Reilly)
2. Updates on papers and recent presentations
   1. Weizhe is about to present about the hedonic-GLM coupling at AAEA, along with Kelly and Kevin
   2. Cayelan gave a talk this week to EPA on revising nutrient criteria; talked about Lake Sunapee
   3. Paul will give a talk in October highlighting CNH in roundtable discussion
      1. Making progress on recycling project that will lead to manuscript
   4. Hilary's paper is dependent on getting model calibrated; waiting to use GLM 3.0, which came out a couple weeks ago. Taking a while to get this working. By end of Aug hope to have it calibrated for Mendota.
   5. Chris and Yu's hydrology work - moving forward with a standalone paper
   6. Lars will be giving a talk at National Society of Limnology on mussels
   7. GLM hedonic coupling paper is in Kevin's hands. He and Weizhe will meet this week and move forward, aiming for submission in end of Aug, beginning of Sept. After Kevin's edits, will send to coauthors.
   8. Nicole has not heard anything from Ambio (2 months ago submitted)
   9. Joe submitted paper on P connectivity work that he presented at ASLO
   10. Joe is working on research questions regarding ag. work presented at workshop
   11. Mike is working on incorporating edits into Leah's drafted paper
3. Plan for model linkages (Kelly and Cayelan)
   1. AGU poster abstract submitted - session on integrating policy/governance into biophysical models. Based on framework paper, with foreshadowing of what we expect to find. This can serve as a sort of deadline for us to get the baseline run.
   2. Kelly spoke with Armen and Chris about getting the baseline run for Mendota. 2-part approach: Chris and Yu working on dividing Mendota into sub-watersheds (a month or two, estimated). Armen suggests that for baseline, he will run fully coupled Cycles-PIHM model (rather than waiting for sub-watersheds to be done). Once sub-watersheds are done, Armen will use these in an "emulator" to run scenarios more quickly.
      1. How many sub-watersheds?
      2. How many years for each mesh cell?
      3. Armen interested in bringing in Yunning Shi.
   3. Want to get some idea of what are good scenarios to start with. Based this on CLA action?
   4. Goal to have poster, plus some beginnings of a draft about this coupling.
   5. By November, hope to have some kind of outcome from a scenario.
   6. When running scenario, will want to move this into hedonic pretty quickly.
4. Team updates
   1. Kelly/Weizhe - SDP
      * 1. Planning a paper combining Cycles-SDP BMP scenarios (cover crops and conservation tillage). Thinking about incentives for farmers & payment mechanisms.
        2. Have a preliminary proposal, but want to talk to Armen before sending out authorship memo
        3. Joe asks about source data - they are using cropland data layers from USDA, but not using exact crop; Armen determined what are predominant crop rotations
   2. Cayelan/Nicole/Kait/Paul - GLM
      * 1. Held virtual meeting to talk about Sunapee and Mendota models for GLM updated to v3. New parameters have been added; for purpose of coupling, sticking with pre-existing calibrated GLM, but using v3 for paper with Paul.
        2. Physics and biogeochem are well-calibrated, but need to add a module on refractory nutrients. By end of Aug, should have a good handle on this.
        3. Nicole was keynote speaker at LSPA meeting this year. Nicole was also involved in lots of engagement/education activities.
   3. Lars - GLM
      * 1. Ran into problems with funding to model the lake; just hasn’t happened yet. Spent summer with interns looking at groundwater inputs; getting good data to use for modeling once funding is received.
        2. One intern looked at econ impact on business owners - would like to compare at some point with CNH Lakes. Lars can send this to Weizhe.
   4. Weizhe – Hedonic/Sreeya – Scaling up
      * 1. EMVs - at this point, only using observed data from Hilary; preliminary results suggest that secchi dominates all other variables. Very robust. May want to take this into account in the future; as expected.
        2. Sreeya has made some progress; looking at lakes data; she and Kevin decided to keep all lakes; matching lake with property data to see how much we need to buy. Deciding how much data needed.
   5. Leah - Civic Engagement
      * 1. Would be possible to follow up with Mike & Cayelan? Yes, maybe after mid-week next week.
        2. Applied for IRB approval for interviews to supplement content analysis.
        3. Got edits from IRB, made edits, resubmitted, waiting for approval. Should have time this semester to travel some in the fall, or do phone interviews.
        4. Has been collecting documentation; complete set of newsletters, annual reports, and news publications.
        5. Began analysis on LSPA - iterative process of analyzing and readjusting coding protocol, definitions of codes.
   6. Joe - Scaling up
      * 1. Might be worth a smaller meeting with Kelly to discuss his plans (CDL), interested in hearing how difficult to implement that IRL.
5. Next telecon is sept 7, end of quarter, doing more in-depth quarterly presentations
   1. 1 or 2 slides
6. Kevin and Kelly talked about hosting a mini-workshop for economists working in freshwater quality - give presentations, talk about similarities in work
   1. Everyone on team is welcome to come, though may not have project funding to support travel. Hopefully sometime this fall.
7. Students did great presentations at UCOWR !!
8. Press release about framework paper; picked up by a few outlets.
9. NCE will be filed in the next month.
10. Looking at Year 4 Workshop venues in Smith Mountain Lake and Asheville