MEETING MINUTES

CNH Lakes – Monthly Video Conference

September 6th, 2019

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

Zoom (<https://msu.zoom.us/j/727545470>)

Attendance: all project team members

1. Welcome & items from the team (Kelly & Reilly)
2. Quarterly check-in slide presentations (everyone)
   1. PIHM (Chris)
      1. Slides show model equations for the catchment
      2. We observe a lot of seasonality in results
      3. Big runoff events = dilution events, with atmospheric inputs (which have not been adjusted for seasonality)
   2. SDP (Kelly)
      1. Working on quantifying manure contributions to Yahara
         1. Looking at different ways to quantify manure contribution
            1. scaling from Dane county down to Yahara based on proportion of land area in Yahara relative to county
         2. Joe is going to check the numbers, ensure there is no calculation error
         3. Paul: there is a paper by Kara on updated phosphorus budget – curious about whether their numbers were at all consistent with these numbers
            1. Kara, E. L., Heimerl, C., Killpack, T., Van de Bogert, M. C., Yoshida, H., & Carpenter, S. R. (2012). Assessing a decade of phosphorus management in the Lake Mendota, Wisconsin watershed and scenarios for enhanced phosphorus management. Aquatic sciences, 74(2), 241-253.
         4. Chris: these are time series data?
            1. Kelly’s is every 5 years, Joe’s may also be 5 years
            2. Daily data are available from Armen
            3. Theoretically can do a simple interpolation of the data we have from census of Ag
            4. Chris has been assuming P is on same order as N
      2. Working on co-benefits manuscript; R&R on GLM-hedonic from Ecological Economics
      3. Continuing to work on incorporating switchgrass BMP
   3. Adam’s updates
      1. Has been reaching out to organizations that are implementing agroforestry/BMPs
      2. CLA highlights cover crops, manure injection, strip cropping
   4. GLM (Cayelan, Paul, Nicole, Robert)
      1. Cayelan has been working with Kait on Mendota vs. Sunapee N & P paper
         1. Reviewers suggested doing more direct comparison of oligotrophic & eutrophic
         2. Working on updating with new driver files from Nicole
         3. Not sure what’s going on with Sunapee coming off as net source of P, will keep working on this
      2. Nicole’s Sunapee GLM manuscript
         1. MS coauthor feedback being incorporated, plan to send out for final review end of September
      3. Nicole’s 4th chapter: data visualization tool/workshop
         1. Goal is to co-develop data vis tool with LSPA/other partners
         2. Trying to keep it general – how P relates to land use, WQ
         3. Getting landowners to understand their role
         4. Is the tool effective in changing behavioral intentions?
         5. Allocate any participant support costs?
      4. Paul – Mendota sediment P manuscript
         1. Plan to submit to Ecological Modelling toward end of September
      5. Robert’s 37 year calibration
         1. Characterizing anoxia, how can you represent as an annual metric?
         2. Expecting MS ready for coauthor review sometime in Sept/Oct
   5. Hedonic (Kristen)
      1. Working on putting together & acquiring data
      2. Have received responses to authorship memo
      3. Will work on merging lake & WQ data with housing data
      4. Finalizing plans for meta-regression
   6. Scaling Up (Joe)
      1. ESA presentation on LAGOS
         1. Looking at ag in stream buffer areas
         2. Management implications on riparian buffers
         3. More refined info makes a difference!
   7. Administrative (Reilly)
      1. Has been incorporating edits from co-authors on the Team Mgmt MS
      2. Explored some options for managing metadata
      3. Will be giving a webinar presentation for Intereach in October
      4. Working on additional communication-related products

Minutes to be posted on ODS:

<http://www.organicdatascience.org/cnh/index.php/6_Sep_2019_Video_conference>

Next meeting: October 4, 2019 (monthly video conference)