



## CUAHSI Board Meeting Minutes

*May 6, 2014, via teleconference*

### **Roll Call**

- 9 members are present, needed 10 for quorum
- “X” indicates Director is present

### **Term expires 12/31/2014**

Diogo Bolster, University of Notre Dame  
Peter Troch, University of Arizona  
Scott Tyler, University of Nevada, Reno (Chair) X  
David White, Murray State University X

### **Term expires 12/31/2015**

Anne Carey, Ohio State University X  
Robyn Hannigan, University of Massachusetts-Boston (past-Chair)  
Carol Johnston, South Dakota State University X  
Witold Krajewski, University of Iowa  
Brian Waldron, University of Memphis

### **Term expires 12/31/2016**

Michael Gooseff, Colorado State University X  
David Hyndman, Michigan State University X  
Brian McGlynn, Duke University  
Holly Michael, University of Delaware X  
Todd Rasmussen, University of Georgia X  
Al Valocchi, University of Illinois Urbana-Champaign X

**Officers & Staff Present:** Rick Hooper (CUAHSI), Jennifer Arrigo (CUAHSI), Adam Ward (Secretary), Emily Clark (CUAHSI)

**Guests Present:** Ying Fan Reinfelder, David Lawrence, David Gochis

Minutes prepared by Adam Ward and Jennifer Arrigo

**Tuesday, May 6, 2014**

15:33 EDT      Call to Order

1. Announcement: Introduction of and welcome to new staff member - Emily Clark
  - a. Hooper introduced Emily Clark, CUAHSI's new training coordinator, a newly funded position this year. He reported she would attend the biennial meeting, and is focused on coordination of courses and training classes.
2. Discussion of Hydro CLM effort initiation (Tyler and Arrigo)
  - a. EOS article provided by Arrigo to the group via Central Desktop, for review prior to the meeting. Document available at: [https://cuahsi.centraldesktop.com/p/aQAAAAAB3\\_dF](https://cuahsi.centraldesktop.com/p/aQAAAAAB3_dF)
  - b. Presentation by Dave Lawrence (NCAR CLM working group co-chair)
    - i. For background on the Land Model Working Group, Lawrence suggested this resource: <http://www2.cesm.ucar.edu/working-groups/lmwg>
    - ii. Lawrence presented on the NCAR CLM working group, highlighting current CESM activities, timelines, and strategies. He included an overview of the development process for the CLM.
  - c. The Board discussed CLM management structure and updates with both Lawrence and Gochis.
  - d. Rasmussen asked how the Water Data Center may be part of this effort. Hooper responded that the WDC may house shared data used to drive the model, and serve-out versions of the code to the community. He reported that the initial effort would be in distribution of code and data sets. Lawrence offered that the CLM system may be able to handle the code sharing portion, too.
  - e. Gooseff asked if there were thoughts on how CUAHSI could help get a broader community engaged with CLM and using the model. Lawrence responded that this would be a good goal, noting that CLM is a versatile platform that can be user-modified. Gochis suggested the white-paper for EOS identified several areas where the CUAHSI community could contribute to CLM development. He highlighted the CZO network as an opportunity for such comparisons. Lawrence discussed systematic model testing and validation and multi-model comparison opportunities.
  - f. Tyler asked about conflicts that might arise in a community model, and how to resolve them. Lawrence discussed an example where two different formulations could be considered and were different, and the group chose a modeling strategy that was more consistent with future model efforts and research goals. He emphasized that community dialogue was key, and that a benchmarking package would allow quantification of how changes to CLM alter model performance.
  - g. Valocchi discussed the need to be sure CUAHSI efforts do not duplicate already-funded efforts. Lawrence responded that the working group process was the best way to ensure this potential problem does not arise.
  - h. Reinfelder asked how to best get a post-doc up to date on the CLM and engaged. Gochis and Lawrence suggested attendance of annual meetings to form connections would be ideal. Gochis also suggested a trip to NCAR may be appropriate to begin engaging with the community.
3. Approval of Minutes from 4/1/2014
  - a. **Approval is deferred since meeting lacks quorum. Directors are asked to review via email and Tyler will call for an action without meeting to approve.**
4. WDC updates (Hooper)

- a. Rick Hooper reported on the management transition and development updates from the Water Data Center. As of April 1, Alva Couch, the full time interim director for the first project year, transitioned to part time; Rick Hooper is now meeting with the software engineering staff regularly and assuming day to day management. Hooper reports that the WDC has transitioned to a state where the “back end” of the system is stable, and the priority now is working on the “front end” and making the system more user-friendly. The first new “product” is a web based uploader for people to add data to the system. It has been in development, and is in second “beta” release and testing by staff and user committee now. Scott Tyler inquires as to when this will be available to the community. Hooper reports it is anticipated to be ready for full release this week.
  - b. There was discussion of the procedure for a salary increase for software engineer M. Martin. Dr. Couch feels she warrants a substantive raise, justification was provided in a letter to the Board (attached). This included an informal salary survey by Couch.
    - i. Rick Hooper, as Executive Director, can authorize up to a 5% raise for employees; this would be a more substantial increase. Hooper reported this would be a one-time salary adjustment to bring salary in line with the prevailing employment environment for software engineers with Martin’s experience and expertise.
    - ii. Hooper asked for the sense of the Board as to whether the informal survey and the letter from Couch were sufficient for the Board, or whether a formal salary survey would be preferred.
    - iii. Carey, Valocchi, Hyndeman, and Gooseff all expressed general agreement that letter seemed sufficient. There was no dissent from the Board.
    - iv. Tyler suggested that Board members further consider and relay any comments or concerns in advance of the Executive Committee meeting next week, and ExCom will act on the salary increase request at their next meeting.
5. Instrumentation Standing Committee appointments (Tyler and Hyndeman)
- a. Slate of Candidates
    - i. Klaus Neumann, Ball State, Current Committee Chair
    - ii. Erich Hester, Virginia Tech, Current Committee member, HGP grant recipient
    - iii. Thanos Papanicolaou, Univ. of Tennessee, working on CZO instrumentation
    - iv. Branko Kerkez, University of Michigan, early career, wireless sensor networking expertise
    - v. Jessica Lundquist, University of Washington
    - vi. Andrew Parsekian, University of Wyoming, HGP grant recipient and expertise
    - vii. Scott Ollinger, Director of NEON science observatory (alternate: Charlotte Roehm, Director of Aquatic Studies program)
  - b. Since there was no quorum present, the presentation of the slate was advisory.
  - c. Scott Tyler reported that this was a very enthusiastic group and that he and/or Dave Hyndeman (Board liaison to the committee) had conversations with each proposed member. Tyler reports the discussion with NEON representative Ollinger were very productive.
  - d. Appointments of the committee will be done at the next meeting.
6. Report from China (Hooper)
- a. Deferred until next meeting
7. Update on Science Planning (Hooper)
- a. Hooper reported that Hooper, Arrigo, and Tyler had a discussion on themes and heard several good talks at the European Geophysical Union meeting that can inform the

theme and science plan; Hooper will provide strawman theme and approach to the Board within the next two week. He plans on setting up interviews with each Board member to discuss the theme and approach one-on-one to get input. He will then follow by interviewing other community members.

8. Biennial Update (Hooper and Arrigo)

- a. Hooper reported that all speakers are confirmed and that planning is coming along nicely.
- b. Arrigo reminded the Board members that the summer Board meeting will be held Thursday, July 31<sup>st</sup>, immediately following the Biennial. Board members are asked to register for the meeting as speakers, and contact Emily Geosling with any questions on registration, housing, etc. All Board members should plan to arrive by Sunday (July 27) afternoon and leave Friday (August 1<sup>st</sup>) to be present for the full Biennial meeting and following day Board meeting.

9. **Motion to Adjourn**

- a. **Motion: Hyndeman**
- b. **Second: Carey**
- c. **Discussion: None**
- d. **Approval: Yes (unanimous)**

16:42 EDT Adjourn

**Meeting Documents:**

1. None