



CUAHSI

universities allied for water research

CUAHSI Board Meeting Minutes

May 16, 2018

Roll Call

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

Term expires 12/31/2018

Matt Cohen, University of Florida X

David Genereux, North Carolina State University (past Chair) X (late arrival)

Gordon Grant, Oregon State University (Chair) X

Erich Hester, Virginia Tech

Steve Loheide, University of Wisconsin-Madison

Jeanne VanBriesen, Carnegie Mellon University (Chair elect) X

Term expires 12/31/2019

Elizabeth Boyer, Penn State University X

Michael Gooseff, University of Colorado

David Hyndman, Michigan State University

Holly Michael, University of Delaware X

Al Valocchi, University of Illinois Urbana-Champaign X

Term expires 12/31/2020

John Albertson, Cornell University

Amir AghaKouchak, University of California-Irvine

Jesus Gomez-Velez, New Mexico Technical University X

R. Edward Beighley, Northeastern University X

Officers & Staff Present: Jerad Bales (CUAHSI), Adam Ward (Secretary), Audrey Sawyer (Treasurer)

Guests: (none)

Minutes prepared by Ward

1. Roll call
 - a. Quorum was not present at the start of meeting. Grant elected to proceed, noting the lack of quorum means that the group cannot take any formal action at this meeting.
2. 2019 CUAHSI Renewal Grant
 - a. Bales provided a proposal summary and outline to the group in preparation for the meeting. Grant initiated a discussion about the balance of elements included, and the need to emphasize both accomplishments and high-profile, “quantum leap” advances that CUAHSI will enable for its constituents.
 - b. The group discussed the two large initiatives for the renewal proposal: (1) facilitation of modeling efforts by the community as a large efforts; and (2) integration of water quality data into the Water Data Center. Both are non-trivial and will require extensive effort. VanBriesen noted the need of both clearly articulated “stretch goals” and clearly achievable tasks and activities. The group also discussed how to make sure we articulate the transformative nature of the focal efforts of expanding services.
 - c. Gomez-Velez suggested the need to help get the tool and its capabilities into the hands of users. He stressed the need to do more than accumulate data, but to engage users. Cohen suggested identifying limitations of existing infrastructure to motivate specific advances by CUAHSI. Valocchi suggested advanced query tools that would integrate across data times as an advance, such as a search based on a specific parameter of interest, minimum length of record, and proximity to a USGS gauge. Gomez-Velez suggested improved tools for analysis as part of the data center.
 - d. The group discussed the modeling efforts that should be included. Beighley differentiated building and running models from re-analysis of existing model data. Bales discussed potential for both sorts of services, noting potential security issues associated with running agency models on the cloud. He further notes CUAHSI currently has some ability to run simulations on virtual machines. Bales articulated the goal of this effort as lowering the bar to entry for model application, including automated generation of input data and visualization of output data. This would make modeling more accessible to the community. He specifically emphasized pre-processing tools that would generate input data and model code that could be executed by any user, with post-processing tools to aid in data interpretation. Bales noted this was viewed as different from NCAR activities but useful to their community. The group discussed the National Water Model as a target model for initial efforts in this space, but the export of specifically formatted data for other models could be equally transformative for other typical model execution and validation. Beighly noted HEC-HMS and HEC-RAS formats would be useful to practitioners.

- b. Boyer suggested efforts the Board could lead to help with CUAHSI branding and visibility.
5. CUAHSI & AWRA Coordination
- a. Bales discussed the potential for CUAHSI to sponsor a symposium at the end of the AWRA Spring 2019 GIS conference. The board was generally supportive of this, noting that this was more logical for CUAHSI than a joint meeting with CUAHSI's biennial. The group discussed the costs and benefits of this activity and if it were worth it. The board is supportive of this activity at some level, but not full co-sponsorship of the meeting or a jointly hosted meeting.
6. Adjournment
- a. Grant opened the floor for any other business. Hearing none, the meeting was adjourned.

13:40 EST Adjourned