



CUAHSI

universities allied for water research

CUAHSI Board Meeting Minutes

April 18, 2018

Roll Call

- 9 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

Gordon Grant, Oregon State University (Chair)

Erich Hester, Virginia Tech

Steve Loheide, University of Wisconsin-Madison X

Jeanne VanBriesen, Carnegie Mellon University 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 X

Jesus Gomez-Velez, New Mexico Technical University

R. Edward Beighley, Northeastern University X

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

Guests: (none)

Minutes prepared by Ward

12:30 EST Call to Order

1. Roll call
 - a. Ward called roll via voice
 - b. Quorum was not established. The group decided to proceed with the meeting, noting no items could be voted on by the Board.
2. 2019 CUAHSI Renewal Grant
 - a. Bales led an overview of the key elements of the renewal proposal. He noted two key efforts:
 - i. Community Modeling. Both NCAR and the National Weather Service have both approached CUAHSI with respect to hosting and managing a shared, collaborative model development program. This would include support of input data and model results.
 - ii. Data Services. Bales reported plans to expand data services to host a portion of the EPA's data on the Water Data Center and to expand the ability of CUAHSI to "ingest" data from and serve data to additional agencies (e.g., Bureau of Reclamation, US Army Corps of Engineers.
 - b. The group discussed the need for CUAHSI services to be "model-agnostic" rather than picking specific models to endorse. Bales noted that the data center actively works with developers to support a variety of platforms. One emphasis here would be the governance process by which codes are branched, tested, modified, and integrated within the trunk code.
 - c. Several Board members expressed the need to differentiate HydroShare from other modeling advances. Bales reported advances to make the products and services accessible to less computation-savvy community members would be an important element.
 - d. Loheide suggested a balance between maintaining existing successes and pursuing new initiatives. He suggested placing new efforts in the context of ongoing activities. He emphasized (1) connecting the past and current programs to the new efforts, and (2) demonstrating that the efforts broadly serve needs by the community.
 - e. The group discussed the potential broader impacts of CUAHSI in connecting hydrologic science to the water resource management community.
 - f. The group suggested highlighting the virtual university program as a successful prototype that will receive additional effort and grow into a regular program for CUAHSI in the upcoming funding cycle.
 - g. Genereux led a discussion of the need for CUAHSI to clearly articulate what is the transformative advance (a.k.a., "quantum leap" or "game changer") that will be delivered. The group discussed highlighting water quality data aggregation and access as an important element, and that access to joint quantity and quality data would be transformative.
 - h. The group generally discussed advances that are transformative in sub-fields of hydrologic science, and how one important role for CUAHSI is bridging the

sub-fields by aligning their advances. VanBriesen suggested there are categories of questions that cannot be even asked at this point because of the disparate nature of niches that cause fracturing of specializations within the community.

3. Strategic Plan

- a. Bales reported the plan has been sent out for layout and formatting. He anticipates finalizing a draft for high-level comment by the community to be available in May.
- b. The group discussed the need to allow for 2 weeks of time for feedback from the review.

4. Updates

- a. Bales reported the hire of Danielle Tijerina at CUAHSI. She has participated in many CUAHSI programs and has a strong background in hydrologic science.
- b. Bales reported potential support for an NSF proposal focused on emulation of CUAHSI's data management and curation with applications to air quality.
- c. Bales summarized several potential smaller proposals with external collaborators.
- d.

5. Adjournment

- a. VanBriesen opened the floor for any other business. Hearing none, the meeting was adjourned.

13:30 EST Adjourned