



CUAHSI Board Meeting Minutes

January 4-5, 2013, Washington, DC

Roll Call

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

Term expires 12/31/2013

David L. Freyberg, Stanford University (Education & Outreach Liaison) X

Brian McGlynn, Duke University X

Jim McNamara, Boise State University (Observations Liaison) X

Todd Rasmussen, University of Georgia X

Ying Fan Reinfelder, Rutgers University X

Term expires 12/31/2014

Diogo Bolster, University of Notre Dame X

Peter Troch, University of Arizona (called in to meeting at 11am on January 4, 2013)

Scott Tyler, University of Nevada, Reno X

Denice Wardrop, Pennsylvania State University X

David White, Murray State University X

Term expires 12/31/2015

Anne Carey, Ohio State University X

Robyn Hannigan, University of Massachusetts-Boston (Chair) X

Carol Johnston, South Dakota State University X

Witold Krajewski, University of Iowa (past-Chair) X

Brian Waldron, University of Memphis X

Officers & Staff Present: Rina Schumer (Treasurer, DRI), Rick Hooper (CUAHSI), Jennifer Arrigo (CUAHSI), Kayla Berry (CUAHSI), Jonathan Pollak (CUAHSI)

Thursday, January 4, 2013

- 8:00am** Call to Order (Hannigan)
Welcome and Meeting Procedures
- 8:10am** Remarks from Past Chair (Krajewski)
- 8:30am** Item 1: Budget for Year 5 of Cooperative Agreement
- 9:30am** Item 2: Partnerships (French Water Academy; US Water Partnership; ESIP)
- 10:00am** Break
- 10:30am** Item 3: Biennial Chair and UCOWR opportunities for Collaboration
- 11:00am** Item 4: Instrumentation Facilities
- 11:30am** Item 6: Executive Director Evaluation (closed session)
- 12:30pm** Lunch
- 12:30pm** Item 5: Membership Funds and Policy on Unpaid Dues
- 1:30pm** Item 7: Renewal Proposal
- 3:30pm** Break
- 4:00pm** Item 8: Split Office
- 4:30pm** Item 9: Nominations for Chair and Executive Committee
- 5:00pm** Adjourn
- 5:30pm** HIS Demonstration
- 6:00pm** Dinner – *F. Scott Fitzgerald A Room*

8:00am

Call to Order (Hannigan)

1. Refer to Briefing Document #1: Year 5 Budget
 - A. Prior to January Board meeting, CUAHSI provided Briefing Document to Directors for review of discussion materials. Hooper provided overall review of budget to Board of Directors and discussed NSF's request to reduce the Water Data Center (WDC) budget from \$1million to \$800,000. In addition to other proposed budgetary cuts, CUAHSI proposes cutting exhibition presence at one specialty conference, its presence at the Stockholm International Water Institute, videography of hands-on training at Florida 2013 workshop, a pilot NAGT workshop, and the July CUAHSI Board of Directors meeting.
 - B. Refer to Briefing Document #1.2
 - i. Discussion of CUAHSI budget and proposed adjustments for Year 5 of the Cooperative Agreement
 - I. Wardrop feels that the budget should reflect "Critical Success" factors as outlined by CUAHSI's Strategic Plan, and therefore, sees keeping videography services as an important line items in the Year 5 budget.
 - II. Hooper suggests the potential need for CUAHSI, the Directors and community to revise the Science and Implementation Plan, in light of receiving funding for a new Water Data Facility.
 - III. Krajewski believes that it is important to keep the July Board Meeting as it helps to keep Directors engaged in CUAHSI activities. Suggests seeking alternative funds to support the July Board Meeting, if necessary.
 - IV. Hooper confirms that funds have been allocated for members of the Standing Committees and User Committees have been built into the Water Data Center budget. Emphasis on Directors' willingness to visit and speak with NSF Program Directors about the activities that CUAHSI is involved in and their importance.
 - V. Hannigan and Hooper both emphasize the need for building metrics into the renewal proposal, which will in turn improve CUAHSI's marketing opportunities.
 - VI. McNamara sees importance in notifying broader community about the opportunity to publish data (i.e., met station data) to the CUAHSI Water Data Center. Hooper suggests using CTEMPS to push this activity forward by using it as an example node for publishing data to the WDC.
 - VII. Discussion relating to proposed 2013 regional meetings
 - a. Hooper suggests providing \$500 in travel grants to CUAHSI representatives to attend regional meetings, which may help to encourage participation.
 - b. Meetings will be used to acquire feedback on the services CUAHSI is providing, to gather information on science challenges facing the members and which of those would benefit from community organization, and to explore how CUAHSI can help universities to organize regionally to advance research efforts.

- VIII. Meetings will help to determine if the federation of water centers is beneficial to the community.
- IX. Wardrop feels that more explanation on the purpose and benefit of the regional meetings is required for further discussion among the Directors, as this is the largest budgetary line item.
 - a. Hooper to provide more information to Directors after Board Meeting that provides greater detail on the objectives of the proposed regional meetings, the meeting structure, and how people will be engaged to participate. Hooper sees these meetings, also, as an opportunity to bring CUAHSI members together in person, as CUAHSI does not host an in-person annual meeting, like many other consortia.

C. Board to Adopt Draft Resolution #1

- i. **Motion: David Freyberg**
- ii. **Second: Brian Waldron**
- iii. **Discussion: Modifications to renewal budget include adding videography services, the addition of one more non-employee trip for Krajewski to visit NSF. Staff to provide more documentation to Directors by February Board of Directors meeting for review.**
- iv. **Approval: Yes**
- v. **Abstain: None**

2. Refer to Briefing Document #2: Partnerships

- A. Hooper discusses the need for more formal consideration of determining CUAHSI partnerships, their benefit to CUAHSI (e.g., marketing opportunities, other), and the cost-benefit analysis of becoming a partner. Hooper looking for guidance from Board of Directors on how CUAHSI should determine which partnerships to participate in.
- B. Directors discuss Option A and Option B relating to CUAHSI partnerships
 - i. Freyberg suggests that CUAHSI partnerships are a good idea if the partnership supports CUAHSI activities and projects or if there's positive feedback from NSF for CUAHSI's involvement.
 - ii. CUAHSI should identify new partnerships established during annual Membership Meeting and create a Collaborations and Partnerships web page.
- C. **Board to Adopt Draft Resolution #2 or to send to subcommittee for further consideration. Motion for the approval of Draft Resolution #2, Option B.**
 - i. **Motion: Scott Tyler**
 - ii. **Second: Carol Johnston**
 - iii. **Discussion: None**
 - iv. **Approval: Yes**
 - v. **Abstain: None**
- D. **Board Approval for CUAHSI to Join US Water Partnership (Draft Resolution #2.1)**
 - i. **Motion: Carol Johnston**
 - ii. **Second: Denice Wardrop**
 - iii. **Discussion: None**

- iv. **Approval: Yes**
 - v. **Abstain: None**
- 3. Refer to Briefing Document #3
 - A. Discussion by Hooper regarding UCOWR (University Council on Water Resources) and CUAHSI activities. Hooper has been approached by Rich Vogel of Tufts University on the possibility of co-organizing 2014 Biennial Meeting.
 - B. Board of Directors discussion on the possible collaboration with UCOWR for 2014 Biennial
 - i. A few CUAHSI Directors have been involved in previous UCOWR activities, but from a distance.
 - ii. Hooper sees that having the meeting in Boston in 2014 could be attractive because of CUAHSI's newly established Water Data Center.
 - iii. There are some differences in registration costs, the number of invited speakers and travel grants provided to speakers between UCOWR meetings and CUAHSI's Biennial Meeting.
 - iv. McNamara considers the meeting format of CUAHSI's Biennial a unique format that would be lost by collaborating jointly with UCOWR.
 - v. Tyler suggests that workshops could be a way to provide overlap between the two meetings, without hosting a joint meeting. This could also help to encourage workshop attendance.
 - C. **Board to Adopt Draft Resolution #3A**
 - i. **Motion: Brian Waldron**
 - ii. **Second: Diogo Bolster**
 - iii. **Discussion: None**
 - iv. **Approval: Yes**
 - v. **Abstain: None**
 - D. **Board to Adopt Draft Resolution #3B**
 - i. McNamara outlined his role as the 2012 Biennial Chair and the time and effort required by this position. He emphasized the importance by the Chair and committee in identifying a theme that is attractive speakers.
 - ii. Theme should focus on what CUAHSI is trying to accomplish as an interdisciplinary consortium, and should be of interest to the community and NSF.
 - iii. Chair works with CUAHSI staff to develop program and should also pay close attention to the roster of past Biennial speakers to avoid duplication.
 - iv. Reinfelder believes that there is opportunity to explore Biennial themes relating to ecosystems, critical zones, or biogeochemical processes.
 - v. Hooper will further discuss with Rich Vogel the options of CUAHSI collaborating with UCOWR, given the Directors' reservations. Alternatives to a joint meeting could include participating in UCOWR meeting through hosting a workshop, and vice versa.

- vi. **Reinfelder nominates Brian McGlynn to be the Meeting Chair for the 2014 Biennial Symposium.**
 1. **Explore the option of Peter Troch co-Chairing 2014 Biennial**
 - vii. **Motion to Adopt Draft Resolution #3B: Scott Tyler**
 1. **Second: Brian Waldron**
 2. **Discussion: None**
 3. **Approval: Yes**
 4. **Abstain: None**
4. Refer to Briefing Document #4: Instrumentation Facilities
- A. Peter Troch joined Board of Directors Meeting by phone to give a presentation to the Directors on the LEO Biosphere2 facility at The University of Arizona. Krajewski participated in the official opening of the LEO Biosphere facility in support of the facility being used as a long-term operation facility that can help to organize community activities.
 - B. Discussion on the role of the LEO Biosphere 2 facility into CUAHSI Instrumentation and node activities
 - i. Arrigo notes that CUAHSI continues to receive requests from facilitation services, such as LEO Biosphere2 and others, to advertise services on CUAHSI website.
 - ii. Krajewski identifies LEO as an example to be used by CUAHSI in its portfolio of services and collaborations.
 - iii. Tyler believes that the LEO Biosphere2 facility can fit into CUAHSI's node model for facilitation. LEO could work in a similar way that the CTEMPS's Advisory Committee does, in that the Board consists of representatives from CUAHSI's Instrumentation Standing Committee.
 - iv. Arrigo proposes a new draft resolution that a CUAHSI Board Member work with Peter Troch to develop a resolution for the Board to add the Leo Biosphere2 facility as a node.
 1. Hannigan proposes that Tyler work with Troch to develop a MOU with CUAHSI for the Leo Biosphere2 facility, and to include member(s) from the Instrumentation Standing Committee into the development of this document.
 - C. **Board to develop Draft Resolution #4.3**
 - i. **Motion: James McNamara**
 - ii. **Second: Ying Fan Reinfelder**
 - iii. **Discussion: None**
 - iv. **Approval: Yes**
 - v. **Abstain: Scott Tyler**
 - D. **Board to Adopt Draft Resolution #4.1**
 - i. Hooper discussed the idea of an Instrumentation Summit. This meeting would help to introduce and educate the community on new instruments, bring people together who are interested in instrumentation and identify their needs, wants,

etc, and help to assist members of the community to write better proposals to fit IF and IR.

- ii. **Adoption of Draft Resolution #4.1**
 - 1. **Motion: Anne Carey**
 - 2. **Second: Ying Fan Reinfelder**
 - 3. **Discussion: None**
 - 4. **Approval: Yes**
 - 5. **Abstain: Scott Tyler, David Freyberg**
- E. Board to review current virtual HMF Guidelines on becoming a node (Briefing Document #4.2)
 - i. Arrigo suggests that a Director assist CUAHSI staff with developing the draft guidelines for people who are interested in posting instrumentation services on the CUAHSI website.
 - ii. Tyler suggests that the Instrumentation Standing Committee could evaluate draft guidelines – and confirm that all necessary information has been included in the guidelines.
 - iii. **Board to Adopt Draft Resolution #4.2**
 - 1. **Motion: Scott Tyler**
 - 2. **Second: Anne Carey**
 - 3. **Discussion: None**
 - 4. **Approval: Yes**
 - 5. **Abstain: Denice Wardrop**
- 5. Refer to Briefing Document #5: Dropping Members for Non-payment of Annual Dues
 - A. Hooper provides background on dropped CUAHSI memberships and procedures of CUAHSI membership dues. Dropped members have occurred due to lack of interest to continue participation and from failure of payment of dues. Hooper seeks input from the Directors on the timetable for members to pay dues and to review CUAHSI’s official policy. During 2012, Hooper and several Directors called members directly who were in arrears to follow up with payment.
 - B. Discussion of grace period for members who have failed to pay membership dues by due date.
 - i. Tyler proposes a 90-day grace period
 - ii. Reinfelder suggests a one year grace period and to still allow members to vote at annual meeting
 - iii. There is some uncertainty between Directors as to whether an initiation fee should be required for those members who were officially dropped from membership. Waldron expresses the need to keep the membership initiation fee for discretionary funds.
 - iv. Current membership policy: “Annual dues are payable on January 1 of the year for which they are levied and may be paid up to 5 years in advance. If dues remain unpaid on July 1 of the same year, the member is placed in arrears and loses voting privileges and the right to serve on the Board of Directors. If dues

remain unpaid by July 1 of the following year, the university is removed from membership in the Consortium and must re-apply for admission to the Consortium and pay any initiation fee in effect at the time of that application.”

- v. **Board to Adopt on Draft Resolution #5, Option A**
 - 1. **Motion: Brian Waldron**
 - 2. **Second: David White**
 - 3. **Discussion:**
 - a. **Approval: 8 in favor of Draft Resolution #5, Option A**
 - b. **Opposed: 6 not in favor of Draft Resolution #5, Option A**
 - 4. **Approval: Yes**
 - 5. **Abstain: None**
 - vi. **Motion to amend current CUAHSI membership policy to remove the reinitiating fee**
 - 1. **Motion: David White**
 - 2. **Second: James McNamara**
 - 3. **Discussion: Moves to retract motion and to revisit membership policy for initiation fees at later meeting**
 - a. **Motion: David White**
 - b. **Second: Scott Tyler**
 - c. **Approval: Yes**
 - d. **Abstain: None**
 - 4. **Approval: No**
 - 5. **Abstain: None**
6. Refer to Agenda Item #6: Evaluation of Executive Director
- A. Closed session for Board of Directors on the evaluation of CUAHSI’s Executive Director.
 - B. **Board to Adopt Draft Resolution #6**
 - i. **Motion: David Freyberg**
 - ii. **Second: Denice Wardrop**
 - iii. **Discussion: Closed Session**
 - iv. **Approval: Yes**
 - v. **Abstain: None**
7. Refer to Draft Resolution #7: Implementation Plan and Renewal Proposal
- A. Hooper discusses the action that is requested by the Board of Directors for CUAHSI’s Implementation Plan and Renewal Proposal and the three options outlined by CUAHSI Staff, as identified in Draft Resolution #7.
 - i. Discussion on CUAHSI’s 2013 Renewal Proposal
 - 1. Need for CUAHSI to demonstrate evaluation, how CUAHSI is utilizing resources, to show professionalization of Consortium, and to show vision at the current budgetary level.
 - 2. Discussion of suggested changes in the staffing structure for 2013 Renewal Proposal (to begin in Year 4) would include modification in time commitment by President to half-time, change in Programs

Manager position to Deputy Director, and the addition of other CUAHSI staff.

3. Hooper or Alva Couch will act as part-time Director of CUAHSI's Water Data Center in the interim (2014) until resources can be acquired from NSF to hire full-time Water Data Center Director.
 4. Hooper to develop an evolution chart for staffing restructures to provide to Directors for review.
- ii. Discussion of CUAHSI Implementation Plan: 2013-2017
1. Idea of CUAHSI acting as a Secretariat for Surface Earth Processes
 - a. Krajewski suggests the need to discuss this proposed role with NSF before making any firm commitments to this type of position by CUAHSI.
 - b. McNamara states that the Strategic Plan does not outline CUAHSI reaching out to sister disciplines and advises following plan, as opposed to anticipating needs. Possible alternative activity could be to change semester cyberseminars to reach out to broader community and other surface earth processes communities.
 2. Wardrop would like to CUAHSI to focus on the "Critical Success Factors and Metrics" outlined by the Implementation Plan and identify how CUAHSI is doing on meeting those goals, and additionally, how the CUAHSI Water Data Center will be key in helping to meet those success factors.
 3. Hooper identifies the need to demonstrate to NSF that the Water Data Center is integral to CUAHSI and to the community.
 4. McNamara proposes consolidating CUAHSI's area of services and facilities from the current list of five to three, to include: Community Governance, Facilities and Services (i.e., Water Data Center, Instrumentation, Community Infrastructure), and Education and Outreach.
 - a. Hooper will make these changes to be reflected in the 2013 Renewal Proposal
 5. Discussion of changes to and proposed Education and Outreach activities by CUAHSI
 - a. Hooper suggests expanding training to include graduate short courses, such as a Water Bootcamp that will help students discover data and understand metadata, to organize future hands-on workshops around a general concept and not a specific type of instrumentation, or to develop graduate short courses relating to the Water Data Center.

- b. Hooper will make revisions to the Renewal Proposal to incorporate and reflect discussion from Directors and to find a more common ground on CUAHSI participation in activities.
- B. Board to Adopt Draft Resolution #7.1 or to send Implementation Plan to subcommittee for further work. Never brought up as a discussion topic, will bring to Board at a later date**
- i. **Motion:** -
 - ii. **Second:** -
 - iii. **Discussion:** -
 - iv. **Approval:** -
 - v. **Abstain:** -
8. Refer to Agenda Item #8: Split Office
- A. Hooper discusses the previous need for split CUAHSI offices between Washington, D.C. and Medford, MA. Current D.C. space is too small and finding alternative options have been unsuccessful. Options include moving D.C. office outside of D.C. to Reston to find more affordable office space or to consolidate offices. By consolidating offices, Jessica Annadale would work remotely from home and fly to Boston four times a year for in-person meetings. The advantage of moving the Accounting Technician position to Medford is more streamlined support CUAHSI Staff in organization of meetings and events.
 - i. Directors do not see the need for CUAHSI to have a presence in D.C. and sees the added benefit of keeping Medford office due to its close proximity to numerous university campuses.
 - ii. Build out of Water Data Center is flexible since it is being built in the cloud; therefore the Water Data Center can be located wherever the Director is located.
 - B. Board to adopt Draft Resolution #8 (option A, B, or C) or to send to subcommittee for further analysis. Motion to Adopt Draft Resolution #8, Option A.**
 - i. **Motion:** Carol Johnston
 - ii. **Second:** Todd Rasmussen
 - iii. **Discussion:** Concerns about the consolidation of split offices from Directors are if this idea has been discussed with NSF and if CUAHSI should communicate this decision with NSF Program Officer prior to official decision being made.
 - iv. **Approval:** Yes
 - v. **Abstain:** None
9. Refer to Agenda Item #9: Election of Chair and Executive Committee
- A. Discussion amongst Directors for Chair Elect and two at-large members of Executive Committee. Nominations made Thursday, January 3 and final vote to be determined on Friday, January 4.
 - i. **Nominations for Chair Elect:**
 - 1. **Tyler: nominated by James McNamara, second by David White**
 - ii. **Nomination for at-large Executive Committee member:**

1. **Reinfelder: nominated by Denice Wardrop, second by Carol Johnston**
- iii. **Nomination for at-large Executive Committee member:**
 1. **Rasmussen: nominated by Reinfelder, second by Carol Johnston**

5:00pm

Adjourn

Friday, January 5, 2013

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|----------------|--|
| 8:00am | Call to order (Hannigan) |
| 8:05am | Approval of minutes from last meeting |
| 8:15am | Item 9 (cont'd): Election of Chair and Executive Committee |
| 9:00am | Item 10: Framing discussion with NSF |
| 10:30am | Break |
| 11:00am | Item 11: Standing Committee Repopulation and Liaisons |
| 12:00n | Lunch/NSF joins |
| 1:00pm | Item 12: Discussion with Program Directors |
| 2:30pm | Wrap-up |
| 3:00pm | Adjourn |

8:00am Call to Order (Hannigan)

1. **Approval of Board of Directors Meeting Minutes from last meeting (November 12, 2012)**
 - A. **Motion to approve minutes from 11/12/2012: David Freyberg**
 - B. **Second: Carol Johnston**
 - C. **Discussion:**
 - i. **Changes to be made to November 12, 2012 Meeting Minutes include changes to #7, identifying the results of the K-Water training (i.e., \$5000 net profit and MOU developed between CUAHSI and K-Water).**
 - D. **Approval: Yes**
 - E. **Abstain: Anne Carey, Brian Waldron, Denice Wardrop**
2. Refer to Agenda Item #9: Election of Chair and Executive Committee
 - A. Discussion of nominations and words from nominated Directors
 - i. Scott Tyler – Nomination for CUAHSI Chair Elect
 1. Tyler is faculty at the University of Nevada, Reno. He participated on Board of Directors in earlier years of CUAHSI.
 2. Tyler sees the opportunity for CUAHSI to support national center in hydrologic research, development of instrumentation and hydrologic measurement facility, to for CUAHSI to demonstrate the productivity of the Water Data Center and its value to the community.
 - ii. Ying Fan Reinfelder – Nomination for at-large Executive Committee member
 1. Reinfelder is a modeler in the Earth Sciences Department at Rutgers University.
 2. Reinfelder has been working closely with Arrigo with the EarthCube initiatives and sees a need for CUAHSI to support the synthesis of field studies.
 - iii. Todd Rasmussen – Nomination for at-large Executive Committee member
 1. Rasmussen is one of two hydrologists in the Forestry and Natural Resources Department at the University of Georgia. Rasmussen has worked with the University of Water Information Network (UWIN) to help facilitate collaboration between faculty and will work to help link CUAHSI with professionals, agencies, and scientists.
 - B. **Election of Chair Elect and at-large Executive Committee member**
 - i. **Tyler elected as Chair Elect via paper ballot**
 - ii. **Motion to elect Reinfelder and Rasmussen for one at-large Executive Committee member position**
 1. **Reinfelder elected as at-large Executive Committee member via paper ballot**
3. Refer to Agenda Item #10: Framing Discussion with NSF
 - A. Discussion of plan for NSF meeting
 - i. Hooper to confirm budget for Water Data Center in Renewal Proposal
 - ii. Hooper to discuss options to consolidate split CUAHSI offices

- iii. Hannigan to identify what metrics NSF wants/needs from CUAHSI to better market activities to other offices
 - 1. What metrics are desired to measure interdisciplinary engagement (i.e., Hooper to track the number of letters of support that he writes, who is publishing data to the Water Data Center and what type of data are being published) or other “nuggets” of information that would be beneficial to NSF
 - iv. Hannigan on community water modeling effort
 - v. Hooper on regional meetings and synthesis centers
- 4. Refer to Agenda Item #11: Standing Committee Repopulation and Liaisons
 - A. Arrigo discusses Standing Committees and the repopulation of the committees. Currently CUAHSI has five active committees; however, the Synthesis and Science Standing Committees are inactive. Arrigo provided summary of committee activity during 2012. All Standing Committees met; however, not all had activities to review. A final report was never received from Research Applications.
 - i. Directors should reconsider if all Standing Committees need to be active if there is no current activity relating to that group.
 - ii. Identifies the importance of keeping Standing Committees involved but suggests making some committees inactive when there is no material to review and reactive the committee as needed.
 - B. Tyler suggests having face-to-face Standing Committee meetings at CUAHSI Biennial
 - C. Hooper requests liaison for Audit Committee from Board of Directors. Current members of committee include John Wilson, Fred Scatena and representative from IRIS.
 - i. Board liaison volunteer is David White
 - D. Hooper requests that current liaisons talk with Chairs of Standing Committees to keep engagement progressing. Board liaisons will also work to funnel data and information into Standing Committees on Water Data Center.
 - i. Reinfelder liaison for Synthesis (inactive committee)
 - ii. Johnston liaison for Informatics (and McNamara to engage committee)
 - iii. Carey liaison for Observatories
 - iv. Freyberg liaison for Education and Outreach
 - v. Wardrop liaison for Instrumentation
 - vi. Rasmussen liaison for Research Applications (inactive)
 - E. **Board to Adopt Draft Resolution #11**
 - i. **Motion: Carol Johnston**
 - ii. **Second: Diogo Bolster**
 - iii. **Discussion: None**
 - iv. **Approval: Yes**
 - v. **Abstain: None**
- 5. Board of Directors discussion with Program Directors: Tom Torgersen (EAR), Lina Patino (GEO/EAR), Wendy Harrison (EAR), and Jun ()
 - A. Brief introductions of Board of Directors, Officers and Staff

- B. HydroDesktop demonstration from Jonathan Pollak, CUAHSI User Support Specialist
- C. Board of Directors discussion with Program Directors
 - i. Consolidation of CUAHSI offices
 - ii. Revisit need for community water model, what the needs are, and the values for such an effort
 - 1. Need for metadata to proceed in parallel with model development; currently that is a lag between these two efforts
 - 2. NSF has rewritten a solicitation for synthesis projects
 - 3. Potential exists to combine climate models with geologic surface models (i.e., create coupling environmental models)
 - iii. Proposed 2013 regional meetings
 - 1. Hooper to discuss with community role of the Water Data Center in terms of pulling together data, identifying data gaps, and the needs of benchmark data sets for model comparison
 - 2. Identify what models exist, which work well where (regionally and why) and work to translate that information to other regions
 - 3. Reinfelder suggests that regional meetings will allow face-to-face interaction with CUAHSI members and a way for CUAHSI to interact with agencies in different regions
 - iv. Discussion on past and future CHyMP efforts
 - 1. Interest remains in national water model that operates at multiple scales. Efforts to move forward have been made through the EarthCube initiative.
 - 2. CUAHSI needs to focus efforts and use the Water Data Center as a way to move forward with the development of modeling efforts.
 - 3. Hannigan sees opportunity to identify a community model as major priority in NSF renewal proposal.
 - 4. Metrics CUAHSI to improve data collection relating to letters of support provided to community (capture metadata/NSF project number), more specifics on HIS use and growth, in-kind support estimates from other agencies/organizations on collaborative projects, capturing Water Data Center metrics (e.g., how many PI's will be using WDC services)
 - v. Synthesis Activities
 - 1. EarthCube to act as strong vehicle for funding for future synthesis activities and reports from upcoming meetings will be key activities.
 - vi. **Board of Directors Action Item**
 - 1. **Motion for Board to commit to the development of an approach to advance the community water modeling effort and to report back to NSF in February with initial plan to move forward.**
 - a. **Motion: Witold Krajewski**
 - b. **Second: Brian Waldron**

- c. **Discussion: Hooper to address community modeling effort in renewal proposal. Development of two separate groups that will also develop ideas on how to move community towards this modeling effort. Group 1 comprised of Reinfelder, Bolster, and Krajewski. Group 2 comprised of Rasmussen, Tyler, and Waldron.**
- d. **Approval: Yes**
- e. **Abstain: None**

3:15pm

Adjourn