

*Board of Director Meeting Minutes*  
*November 2, 2012*

**Present:** Diogo Bolster, David Freyberg, Robyn Hannigan, Carol Johnston, Witold Krajewski, Brian McGlynn, Larry Murdoch, Aaron Packman, Todd Rasmussen, Ying Fan Reinfelder, Peter Troch, Scott Tyler, David White, Rick Hooper, Jennifer Arrigo, Kayla Berry, Chris Graham, Jonathan Pollak, Rina Schumer

**QUORUM**

Meeting opens 12:30AM

- 1) Call to Order
- 2) **Approval of Minutes from 8/1/2012**
  - a. **Motion: Johnston**
  - b. **Second: Hannigan**
  - c. **Discussion: None**
  - d. **Approval: Yes**
- 3) **Approval of Minutes from 10/5/2012 subject to minor modifications**
  - a. **Motion: Johnston**
  - b. **Second: Hannigan**
  - c. **Discussion: None**
  - d. **Approval: Yes**
- 4) CUAHSI at AGU
  - a. Plans for exhibit at AGU are on schedule
  - b. 13 of 15 Directors will attend AGU and Town Hall Meeting
  - c. Town Hall on Tuesday at Grand Hyatt (same time and place as previous years)
  - d. Board members asked to visit booth
    - i. Asked to contact Berry about when they might visit
- 5) CUAHSI Year 5 Budget update
  - a. Was submitted this month
  - b. 2013 budget: ~\$1,000,000
- 6) Data Center update
  - a. Data Center proposal currently under review
  - b. No new updates
  - c. Possible delay may have implications for Couch involvement
    - i. Couch will start on project in June, allowing for decision from NSF
- 7) K-water training
  - a. 3 day training at CUAHSI office for 4 representatives from K-Water
    - i. Public private partnership in Korea
    - ii. Building water data infrastructure for Korea
    - iii. Paid \$5,000 for training (staff time, facilities)
      1. Full cost of training (no NSF funds spent on training)
    - iv. Tim Whittaker (teleconference) and Alva Couch present

- 8) Presentation on Biosphere 2 request for CUAHSI representation at opening ceremony
  - a. Landscape Evolution Observatory
    - i. Large scale artificial hillslope isolated from environment at Biosphere 2 (B2) facility
    - ii. Load cells, soil moisture, Met sensors fully characterize hillslope
  - b. Troch has requested Krajewski attending the facility's opening ceremony in his capacity as CUAHSI Chair
    - i. November 29-30
      1. Keynote speakers and panel discussion
        - a. Krajewski will serve on panel as CUAHSI rep
        - b. Other funding agencies also will attend
          - i. ARS suggested as possible attendee
    - c. Hooper will not attend due to other travel commitments
- 9) Packman presentation on vision for CZO-NO and potential partnership with CUAHSI
  - a. Packman would be PI; CUAHSI would be subawardee.
    - i. As described in the notice of opportunity, this would be a selective but not exclusive partnership
      1. Board reserves the right to hear other potential PI proposals and it is possible that CUAHSI may agree to serve as a subawardee on more than one proposal
  - b. Packman vision
    - i. Develop global network (beyond US CZO network)
    - ii. Multi-disciplinary
      1. Geology, morphology, climate, human activity
    - iii. Synthesis to global scale for purposes of prediction and forecasting
    - iv. Support CZO science beyond Network
    - v. Connections with other observatory networks (NEON, LTER, etc...), unaffiliated sites with critical zone focus
      1. Would support current CZO sites if not renewed
    - vi. Develop data standards
    - vii. Broad, common site characterization
    - viii. CUAHSI would serve as data support (through Data Center), logistical support
      1. Currently CZOs have individual data management plans, as well as network wide plan
        - a. Some interest in using data center
        - b. No standardized data collection
        - c. Common data between sites is currently on HIS
    - ix. Science Component
      1. Structure, dynamics, forcing
      2. Deep vs. surficial controls
      3. Human perturbations
      4. Sustainability
  - c. Support letters will be obtained from interested parties

- i. Current CZOs support of Packman vision for data center
      - ii. Other networks, sites
    - d. Possible models
      - i. AmeriFlux
        - 1. Broad membership qualifications
        - 2. Broad funding base
      - ii. EarthScope
        - 1. Larger staffing
      - iii. Geoprisms
        - 1. Similar focus, much smaller scope
    - e. Board Decision: Does CUAHSI agree to pursue a partnership with Packman on a CZO-NO proposal?
      - i. Agreement in concept before details are developed for final approval of partnership
      - ii. Does not limit partnerships with other PIs / proposals
      - iii. CUAHSI staff will set up poll for voting next week
- 10) Appointments and Report from the CUAHSI HIS Users Committee
- a. Testing and evaluating HIS components
  - b. Three members currently, with Kathleen McKee as Chair
  - c. Six nominations for committee
    - i. Dan Ames (BYU)
      - 1. To be replaced by one of his grad students in spring
    - ii. Tim Whiteaker (UT Austin)
    - iii. Christina Bandaragoda (Seattle consultant)
    - iv. Stephanie Reeder (Utah State)
    - v. Ben Crosby (Idaho State)
    - vi. Maggie Peacock (Shale Network)
  - d. Current committee suggests adding all above to committee
  - e. Board questions placement of Ames and Reeder
    - i. Conflict of interest as both are involved in HIS development
    - ii. Ames may better serve as liaison with HydroDesktop development team
    - iii. Concerns will be transmitted to McKee and ask for new list of candidates
- 11) Discussion of NSF Realignment
- a. Recent realignment of NSF may impact CUAHSI's interaction
  - b. Office of Cyber Infrastructure absorbed into Computer and Information Science Directorate
  - c. Torgersen will be asked how this will impact CUAHSI operations
- 12) Update on CUAHSI participation in US Water Partnership (USWP)
- a. USWP currently looking for organizations interested in cooperating
    - i. NASA currently primary member
  - b. USWP looking for housing of WASH-U consortium of Universities
    - i. Includes website directory
    - ii. WASH-U focuses on sanitation and health
      - 1. Sanitation and health is not traditional focus of CUAHSI

2. CUAHSI mission is broad, should include this type of work
    - a. May improve CUAHSI visibility
  - c. \$50,000 matching grant from Ava Johnson for portal development
    - i. Optimism that matching funds will be found
  - d. Potential Board Decision: Does CUAHSI apply for formal membership in USWP?
    - i. CUAHSI will be affiliate member
    - ii. Hooper will determine precise commitment and report back to Board
    - iii. Board encourages Hooper to develop application materials
- 13) Next Board of Directors Meeting January

Meeting closed 2:20 PM