



CUAHSI Annual Membership Meeting Minutes

December 8, 2009 Teleconference

For any questions regarding content or supporting materials such as powerpoints or committee reports that were presented at this meeting, please consult the CUAHSI website for 24 hour access (<http://www.cuahsi.org/>) or contact CUAHSI staff (Rick Hooper, exdir@cuahsi.org, 339-221-5400; OR David Kirschtel commgr@cuahsi.org, 339-221-5401) during regular business hours.

Meeting notes were taken by Kevin Dressler, CUAHSI Secretary. They are representation of the topical discussions and are not the opinion of the secretary.

Roll call- approval of replacements—K. Dressler

The following replacements were approved

- Shreeram Inamdar – University of Delaware
- Igor Jankovic – SUNY-Buffalo
- Asa Rennermalm – Rutgers University
- Ana Barros – Duke University

- 61 Full members present, plus 5 Affiliates Present and unofficial representation from two other affiliates

- Quorum was present (Needed 56 full members)

Part 1. Status and Information about CUAHSI

1. Announcements
 - a. CUAHSI Town Hall and Reception, Fall AGU, Tuesday, December 15, 6:30 pm, Grand Hyatt Hotel (Union Square).
Special session “Progress in Hydrologic Science since the Blue Book” Moscone Center 102, Tuesday afternoon in honor of Doug James
2. State of the Consortium: Plans for Next 5 Years- J. Famiglietti (Appendix)
 - ▶ **Repopulation of Standing Committees – Review Appendix**
 - ▶ **Role of Member Representatives in Strategic Planning Process – Review Appendix**

Part II. Formal Business Meeting

3. Approval of meeting minutes, December 2009—K. Dressler
Motion to Approve meeting minutes: Freyberg
Second: Wilson
Discussion: No
Approval: Yes

4. Financial report- B. Waldron
▶ **Review attached (Appendix) financial report; post any questions to exdir@cuahsi.org**

5. **Polls were taken of the following topics:**
 - a. Considering pros and cons, do you prefer recurring dues or for-profit corporate affiliates?
 - 10/73 preferred recurring dues
 - 15/73 preferred for-profit affiliates
 - 32/73 selected both
 - 16/73 had no answer

 - b. Would you be willing to convince your university to pay recurring dues on the order of \$2000 every 5 years or \$3000 every 5 years to maintain membership in CUAHSI? (Flexible payment options would be available.)
 - 38/73 would be willing to convince university to pay recurring dues
 - 21/73 would not be willing to convince university to pay recurring dues
 - 13/73 had no answer
 - 12/73 indicated \$2000 would be appropriate
 - 48/73 indicated \$2000 would not be appropriate
 - 4/73 indicated \$3000 would be appropriate
 - 56/73 indicated \$3000 would not be appropriate

 - c. Are having for-profit companies (e.g., IBM, Northrop Grumman) as affiliate members acceptable to you, if such members have no voting privileges but serve on an advisory council?
 - 49/73 indicated yes
 - 10/73 indicated no

6. Election of new members to the Board of Directors— R. Hooper
Five elected are: Witold Krajewski, Larry Murdoch, Robyn Hannigan, Aaron Packman, Carol Johnston
7. Expressions of appreciation— R. Hooper/Famiglietti
 - Appreciation was expressed for the outgoing Board members and to Famiglietti for serving as chair.
8. Date of next meeting— R. Hooper
 - a. December 7, 2010; 3pm Eastern
9. Adjournment—R. Hooper
Motion to Adjourn: Nicklow
Second: Latif Kalin
Discussion: No
Approval: Yes

CUAHSI Annual Membership Meeting Minutes Appendix

December 8, 2009



State of the Consortium

Jay Famiglietti, UC Irvine

Chair of the Board

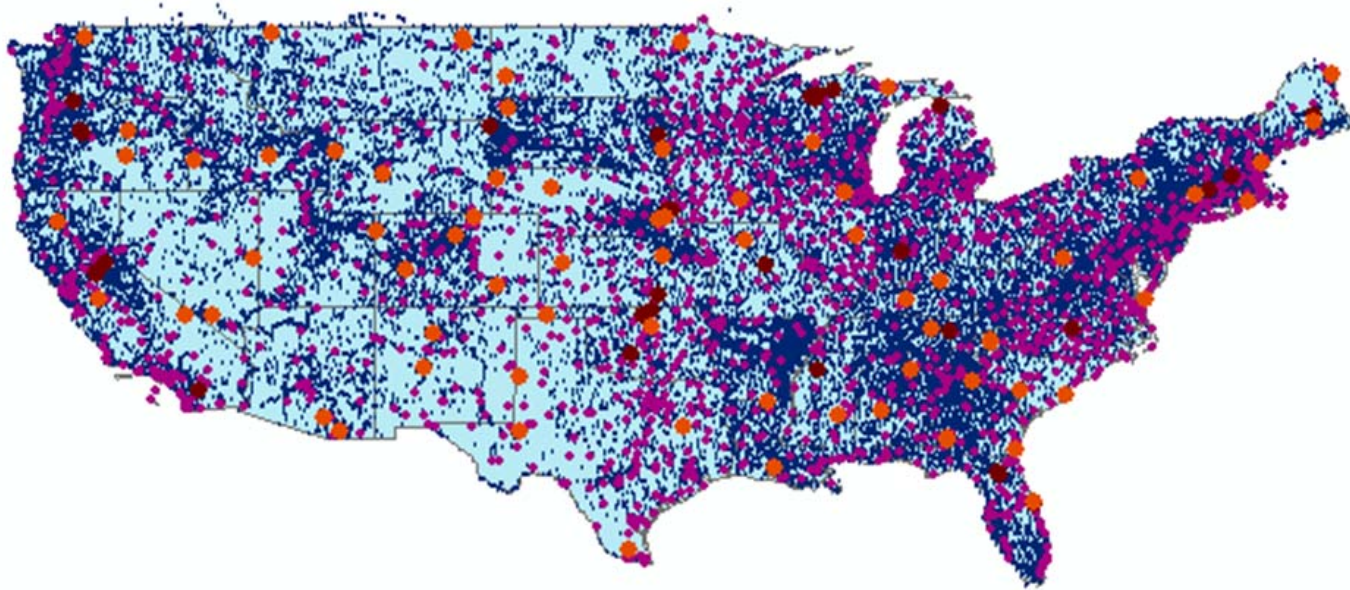
State of the Consortium: 2009

- Year 1 of five-year cooperative agreement with NSF
- Revenues of about \$1.1M/yr
- Staff of 6 people
 - Rick Hooper, Executive Director
 - David Kirschtel, Senior Program Manager
 - Yoori Choi, User Support Specialist
 - Conrad Matiuk, Communications Manager
 - Jessica Annadale, Controller
 - Lisa Gray, Administrative Assistant

CUAHSI Projects

- Informatics
 - CUAHSI Water Data Services
 - Community Hydrologic Modeling Platform
- Instrumentation
 - Hands-on Workshops
 - Instrumentation Nodes
- Observations
 - Catchment Comparison Exercise 2010
 - WATERS
- Synthesis
 - Capstone seminars for summer institutes
- Education and Outreach
 - Pathfinder Fellowships
 - Cyberseminars

CUAHSI Water Data Services



43 services
15,000 variables
1.8 million sites
9 million series
4.3 billion data

WDS: Next Steps

- Developing client software: Hydrodesktop, <http://www.hydrodesktop.org>
- Open-source development
- Download and contribute to current alpha version
- Release: June, 2010

CHyMP

- Science planning workshop held March 31-April 1, 2009, University of Memphis
- Major conclusions
 - Many modeling platforms exist (CSDMS, ESMF, OMS) or can be adapted (HydroHub proposal)
 - Need to explore use of platforms for multi-scale National Water Model
- Workshop planned in 2010 on National Water Model

Informatics Outlook

- Moving from developmental to operational services
- Proposal for Hydrologic Data Center to be developed in 2010

Instrumentation

- Hands-on Workshops
 - Large-Aperature Scintillometry, October 2009 (Jan Hendrickx, New Mexico Tech)
 - Optical Water Quality Sensors, August 2009 (Brian Pellerin, USGS, Sacramento)
 - Distributed Temperature Sensing, Sept. 2007
- Instrumentation Nodes
 - Distributed Temperature Sensing, Scott Tyler and John Selker (awarded 2009), acquiring instruments
 - Mobile Radar, Witek Krajewski (awarded 2008), building and testing phase

Instrumentation Outlook

- Hands-on Workshops
 - Provide instruction on advanced instrumentation
 - Bring together manufacturers and users
 - *Seeking additional HoW leaders*
- Nodes
 - PI-led projects to acquire instruments
 - CUAHSI assists with community access

Observations

- WATERS Network
 - Science plan completed and on-line
<http://www.watersnet.org>
 - NSF not interested in pursuing MREFC (large capital) project at this time due to development costs (~\$80M for NEON to date)
- Grass roots approach
 - Catchment Comparison Exercise 2010 underway,
<http://www.cuahsi.org/cce2010.html>

Observations Outlook

- Use CUAHSI WDS to publish and to access data from field sites, regardless of funding source
- Represent community interest in CZO's and other NSF-funded observatories
- Encourage formation of regional consortia for larger scale science investigations

Synthesis Outlook

- Two synthesis activities underway
 - Siva Sivapalan, UIUC
 - Charlie Vorosmarty, CUNY
- Synthesis recognized by GEO Directorate as important
- Harvest experience from these projects
- Advise NSF on next steps

Bigger Picture

- Positive funding picture, particularly for water science
- NSF
 - Regional impacts of climate change
 - House mark requesting information on water research
- NOAA
 - More comprehensive water resources predictions
 - Community modeling approach for River Forecast Centers

CUAHSI Priorities

- Advocating for Hydrologic Data Center
- Advocating for both regional and national synthesis “centers”
- Advancing community hydrologic modeling for impacts from population and climate change

Strategic Plan 2010-2014

- Assess priorities in light of experience and opportunities
- Refine role of CUAHSI
 - Who we are
 - What we do
 - How we do it
- Explain goals to funding agencies

Strategic Planning Process

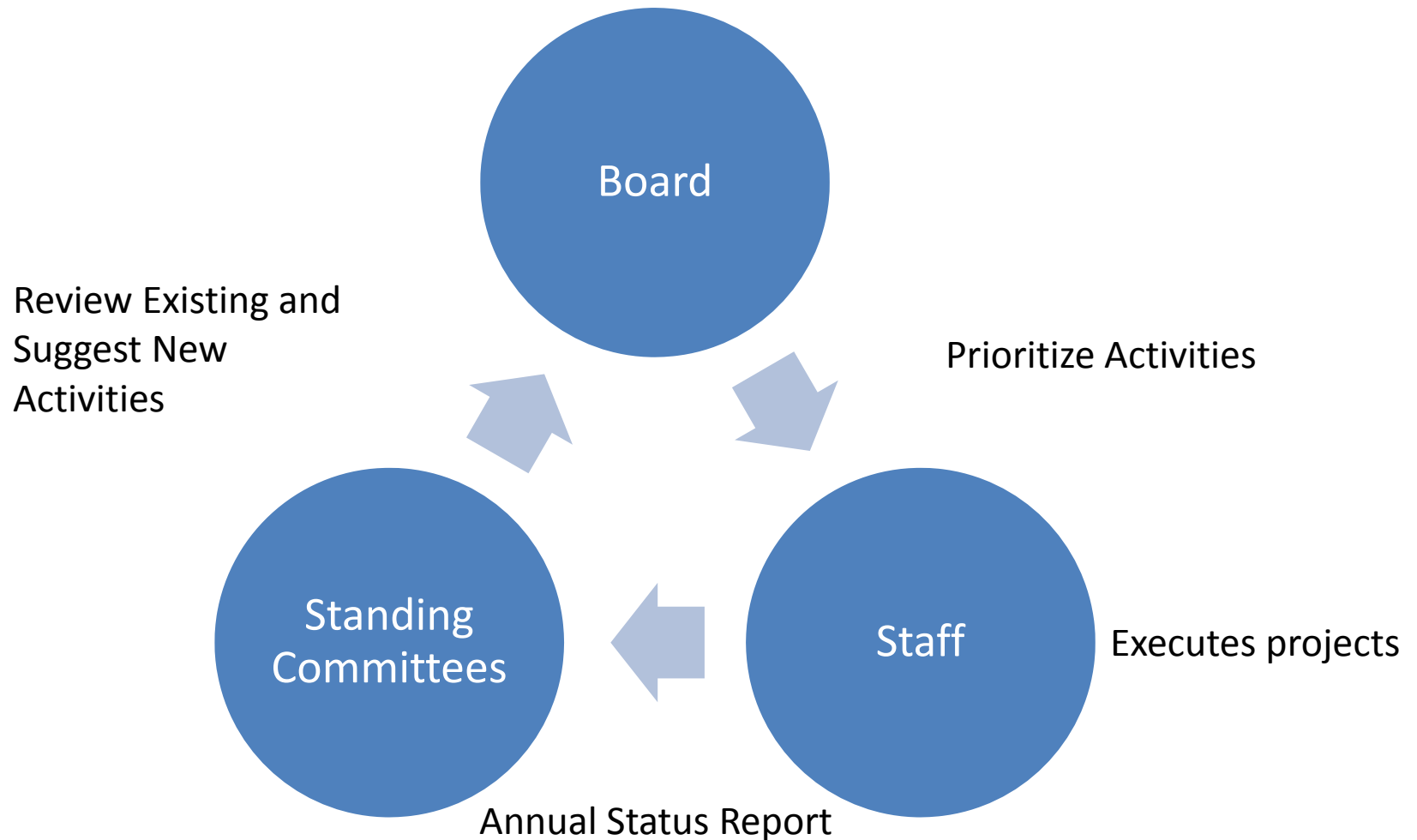
- New charge to standing committees to review status and outlook for all project areas (due April 1, 2010)
- Board Retreat to write Strategic Plan (April 21)
- Initial review by Standing Committees (May-July)
- Release for community review (July –Sept)
- Final report released October, 2010

Standing Committees

- Observations (Jim McNamara)
- Instrumentation (Larry Murdoch)
- Informatics ()
 - Paul Houser (GMU), Chair
- Synthesis ()
- Education and Outreach (David Freyburg)
 - Thorsten Wagener (PSU), Chair
- Research Applications (Ken Potter)
 - Allen Bradley (Iowa), Chair

If interested in serving, please contact Rick Hooper

Standing Committees' Role



Financial Report

Brian Waldron, U. Memphis
Treasurer

Federal Funding (Year 1)

Award Year 1 (February 2009 - January 2010)

Funds Awarded **\$ 1,145,204**

Total Expenditures and Obligations

<i>Budget Categories</i>	<i>Totals</i>	<i>% of Total</i>
Community Outreach	121,794	10.6%
Management Review	78,216	6.8%
Dahlem-Type Conference	12,323	1.1%
CUAHSI Water Data Services	191,671	16.7%
CHyMP	94,056	8.2%
Informatics Standing Committee	28,427	2.5%
Scintillometry Workshop	19,391	1.7%
HMF Standing Committee	27,385	2.4%
Summer Institutes	45,127	3.9%
WATERS	23,025	2.0%
E&O Standing Committee	21,286	1.9%
Pathfinder Fellowships	39,180	3.4%
Cyber Seminars	24,768	2.2%
Administration	418,555	36.5%
Total Expenditures and Obligations	\$ 1,145,204	

Unrestricted Funds (Dues)

Membership Status

<i>Type of Membership</i>	<i>Number of Members</i>	<i>Membership Income</i>
University Members	112	\$224,000
Affiliate Members	21	\$10,500
Total		\$234,500
Membership Income Paid		\$234,500
Membership Income Receivable		\$0

Current Year Fund Activity

CUAHSI Membership Fund Balance 01/01/09	\$140,346
Membership Income 2009	\$10,000
Interest Earned 2009	\$0
Expenditures 2009	(\$7,937)
AGU Reception (Est.)	(\$2,000)
CUAHSI Membership Fund Balance 10/31/09	\$140,409

Issues

- One-time membership dues are only source of unrestricted capital
- Virtually no return on investment in safe funds
- Non-reimbursable expenses run \$10K-\$15K per year (elections, maintenance of membership files, drinks at AGU)
- “Float” of \$50K to \$100K required for delayed reimbursements
- Cushion for interruption of funding

Options for Revenue Stream

- Recurring Dues (~\$1000 every 5 years for member universities; less or nothing for non-profit affiliate members)
- Corporate Affiliate Members (annual dues of \$1000 - \$5000 are feasible) with some membership privileges, e.g., Corporate Council
- Corporate Sponsorships of specific events or Advertisements on CUAHSI web site
- Charitable donations (“Buy your grad student a drink” fund)