CUAHSI Annual Membership Meeting Minutes

December 7, 2010, 3 pm EST

Call to order: 3:05 pm

Part I. Status and Information about CUAHSI
1. Announcements
   a. CUAHSI Town Hall and Reception, Fall AGU, Tuesday, December 14, 6:30 pm, Grand Hyatt Hotel (Union Square). Submit questions to be addressed by Board and Officers
2. State of the Consortium: Plans for Next 5 Years (See Attached Appendix)

Part II. Formal Business Meeting
3. Roll call- approval of replacements
   ■ 59 Full members, 6 Affiliate members present
   ■ Needed a minimum of 56 full members for quorum (50% of the 111 full members) in order to conduct official business
   ■ The approved replacements for representatives (12 in total) were placed on the official roll call and were received by the secretary via email prior to the meeting. Not all attended.
4. Approval of meeting minutes, December 2009
   Motion to Approve the December 9 Minutes: Hyndman
   Second: Medina
   Discussion: No
   Approval: Yes

5. Financial report (See attached appendix)
6. ByLaws Amendments
   Motion to approve proposed amendments to by laws as distributed to reps on November 11, 2010 with votes collected by electronic ballot that has been available since that date: Welty
   Second: Fryar
   Discussion: It is perhaps bad timing for due increases given the economy
   Approval: Yes (83 for, 20 opposed; electronic vote)
7. Election of new members to the Board of Directors

Elected members: Freyberg, McGlynn, McNamara, Rasmussen, Reinfelder
- Official vote tallies kept internally at CUAHSI and certified by the secretary

8. Expressions of appreciation
Larry Band thanked the outgoing Board members and officers
Larry Band also thanked the members who contributed to the strategic plan process

9. Date of next meeting is November 29, 2011

Adjournment: 4:05 pm
Appendix: Annual Meeting Powerpoint Presentations
State of the Consortium

Larry Band, University North Carolina
Chair of the Board
CUAHSI Activities

• **Meetings**
  – Biennial Meeting
  – Small workshops
• **Informatics**
  – CUAHSI Water Data Services
  – Community Hydrologic Modeling Platform
• **Instrumentation**
  – Hands-on Workshops
  – Instrumentation Nodes
• **Observations**
  – Catchment Comparison Exercise 2010
  – Discussion of field campaigns with agencies
• **Synthesis**
  – Status of projects
  – Potential follow-on
• **Education and Outreach**
  – Pathfinder Fellowships
  – Cyberseminars
State of the Consortium: 2010

- Year 2 of five-year cooperative agreement with NSF
- Revenues of about $1.1M/yr
- Staff of 6 people
  - Rick Hooper, Executive Director
  - Jennifer Arrigo, Program Manager (starts Jan. 1)
  - Yoori Choi, User Support Specialist
  - Conrad Matiuk, Communications Manager
  - Jessica Annadale, Controller
  - Lisa Gray, Administrative Assistant
2010 Biennial Meeting

- Highly successful meeting, survey indicates high degree of satisfaction, plans to attend 2012 Biennial, some suggestions for improvements
- 155 attendees, 3 plenary speakers + US Representative Grace Napolitano
- 8 sessions with extended discussion sessions, posters well attended (crowded)
- Workshops variably attended – additional day cited
- Suggestions for themes and improvements?
Community Workshops

• Project-based: e.g. CHyMP, HIS Users Meeting, Hands-on Instrumentation Workshops

• Topically-based Meeting: A smaller meeting to complement Biennial Meeting with 40-50 participants around focused science question
  - First planned Spring 2012
  - Role of water in climate change
    • Geophysical
    • Biological
    • Social
HydroDesktop: Client for HIS

- Search by space/time and measured property
- Access 50+ data services
- Download data into local database for analysis and export
- Open-source GIS
- Analyze data in R or HydroModeler

Download client at [http://his.cuahsi.org](http://his.cuahsi.org)
How does the internet work?

This is how it got started ......

[Diagram showing the initial setup with web servers and Mosaic browser]

.....this is how it works now

Three key components linked by services and a common language

[Diagram showing the current setup with Google, Yahoo, Bing, Firefox, Internet Explorer, and server connected by metadata harvesting and search services]

Catalog
What has CUAHSI Done?

Taken the internet services model....

.... and implemented it for water data
HIS: Open for business

• User testing this year to assess utility
• Plan to move to operational service over next few years
• User support and training available from CUAHSI office
**Progress on CHyMP**

The Community Hydrologic Modeling Platform (CHyMP) is a grassroots effort to organize the community and secure the funding base to significantly accelerate the development, distribution and technical support of integrated hydrological models across a range of spatial scales.

CHyMP will support the modeling needs of the academic water science and related communities in a range of research and applications and will include a flexible framework for:

- strong community input
- developing integrated water cycle models across scales
- a National Water Model
- enhanced model benchmarking and standards development

Three workshops – Rationale, Science and Implementation – were originally proposed. The first two have been held March 2008 and March 2009. The third (Implementation) will take place in March, 2011, at UC Irvine. Reports available at CUAHSI.org

A white paper is in development that will be vetted at the Implementation meeting and used as the foundation of the final report, which will form the basis for discussing funding strategies with various agencies.
Synthesis Outlook

• Two synthesis activities near completion
  – Siva Sivapalan, UIUC
  – Charlie Vorosmarty, CUNY

• Reverse site visit

• New synthesis activity through regular NSF RFP

• Exploring collaboration between CUAHSI and other federal agencies – e.g. USGS Powell Center and NOAA Water Center
Instrumentation

• Hands-on Workshops
  – In Situ Optical Sensor Development, May 2011 (w/USGS), Bridget Benson and Bob Chen, UMass Boston
  – CTEMPS workshop, Tyler and Selker, July 2010
  – 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
  – CTEMPS, Distributed Temperature Sensing, Scott Tyler and John Selker, http://ctemps.org
  – Mobile Radar, Witek Krajewski (awarded 2008), building and testing phase
Observations

• WATERS Network
  – Not going forward as MREFC
  – Water Sustainability and Climate program arose from WATERS and CUAHSI efforts

• Grass roots projects
  – CUAHSI providing resources to develop dataset for distribution with HIS
Observations

• Water Sustainability and Climate
  – 4 Category 2 awards: Observatories and Modeling
• Interaction with agencies – discussion phase
  – e.g. NOAA HMT, potential field campaign
  – River Forecasting Centers, capture and distribute specific events with HIS
• Pursue interaction with NEON, other partners
Corporate Structure: New By-Laws

• Increase number of representatives from 1 to 3 per Member University (affiliate members unchanged)

• Define rights and privileges of for-profit affiliates
  – No voting rights
  – Establish Corporate Advisory Board

• Annual Dues for Members
Breadth of the Community

• Many academic disciplines study water
  – Earth systems sciences
  – Engineering
  – Ecology
  – Social Sciences
• Exciting (and challenging) research at the intersections
• No grass-roots university water consortia across these disciplines active at NSF – need to expand beyond HS, GEO to other directorates
3 representatives per member university – guidelines

• Each Member receives 3 votes
• Members are encouraged to appoint 3 representatives reflecting diversity in
  – Academic discipline and research interest
  – Career stage
  – Gender and ethnicity
• One example would be representatives from Earth Science, Engineering, Biology departments
• All representatives eligible to run for Board of Directors
For-profit Affiliates

• Numerous companies have expressed interest in CUAHSI projects
• Opportunity to raise unrestricted funds through membership fees
• Source of advice, input on programs
Net Corporate Assets

• Funds peaked on 12/31/2007
• Declined the succeeding years to ~$134,000
• Expenditures of ~$15,000/year
Annual Dues Procedures

• Board has authorized $200/yr annual dues
• Payable up to 5 years in advance or annually
• In general, dues are payable July 1.
• For 2011, dues are payable by Dec. 31.
• If dues are not paid by due date, member is not in good standing and loses voting privileges
• If not paid by due date of succeeding year, member is removed from Consortium.
Strategic Plan 2010-2015

- Completed text posted to CUAHSI web site
- 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 Plan 2010-2015

• Initial meeting of the Board with facilitator (Roy Savoian – UCW) in Irvine, April, 2010
• Information gathered from Standing Committees on priorities
• Development of initial draft, discussion and refinement at summer BOD in Boulder
• Review and comments from SAC
• Revisions, comments from membership
• Revisions, final draft approved by BOD
Interface of BOD, Standing Committees, Membership

- **Board**
  - Prioritize Activities
  - Executes projects

- **Staff**
  - Suggest New and Review Existing Activities

- **Standing Committees**
  - Annual Status Report

- **Membership**
Standing Committees

- Observations (Jim McNamara)
  - Dave Chandler (Syracuse U)
- Instrumentation (Robyn Hannigan)
  - Klaus Neumann (Ball State)
- Informatics (Carol Johnston)
  - Paul Houser (GMU), Chair
- Synthesis (Aaron Packman)
  - Beth Boyer (PSU)
- Education and Outreach (David Freyburg)
  - Thorsten Wagener (PSU), Chair
- Research Applications (Ken Potter)
  - Allen Bradley (Iowa), Chair
Financial Report

Brian Waldron, U. Memphis
Treasurer
## Membership Funds

### Membership Status

<table>
<thead>
<tr>
<th>Type of Membership</th>
<th>Number of Members</th>
<th>Membership Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>University Members</td>
<td>112</td>
<td>$224,000</td>
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<tr>
<td>Affiliate Members</td>
<td>23</td>
<td>$11,500</td>
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<tr>
<td>Total</td>
<td></td>
<td>$235,500</td>
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<tr>
<td>Membership Income Paid</td>
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<td>$235,500</td>
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<tr>
<td>Membership Income Receivable</td>
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<td>$0</td>
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### Current Year Fund Activity

<table>
<thead>
<tr>
<th>Activity</th>
<th>Amount</th>
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<tbody>
<tr>
<td>CUAHSI Membership Fund Balance 01/01/10</td>
<td>$134,159</td>
</tr>
<tr>
<td>Membership Income 2010</td>
<td>$1,000</td>
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<tr>
<td>Interest Earned 2010</td>
<td>$0</td>
</tr>
<tr>
<td>Expenditures 2010</td>
<td>($9,527)</td>
</tr>
<tr>
<td>AGU Reception (Est.)</td>
<td>($2,000)</td>
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<tr>
<td>CUAHSI Membership Fund Balance 12/01/10</td>
<td>$123,632</td>
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Federal Funding (Year 2)

<table>
<thead>
<tr>
<th>Award Year 2 (February 2010 - January 2011)</th>
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</thead>
<tbody>
<tr>
<td><strong>Funds Awarded</strong></td>
</tr>
<tr>
<td>$ 1,370,424</td>
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<tr>
<td><strong>Total Expenditures and Obligations</strong></td>
</tr>
<tr>
<td><strong>Budget Categories</strong></td>
</tr>
<tr>
<td>Strategic Planning</td>
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<tr>
<td>Community Outreach</td>
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<tr>
<td>Community Wide Meetings</td>
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<tr>
<td>CUAHSI Data Services</td>
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<tr>
<td>CHyMP</td>
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<tr>
<td>Instrumentation</td>
</tr>
<tr>
<td>Education and Outreach</td>
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<tr>
<td>Indirect Costs</td>
</tr>
<tr>
<td><strong>Total Expenditures and Obligations</strong></td>
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<tr>
<td>Residual Funds to be Expended in Year 3</td>
</tr>
<tr>
<td>48,716</td>
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