



CUAHSI Annual Membership Meeting Minutes

December 7, 2010, 3 pm EST

Call to order: 3:05 pm

Part 1. 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

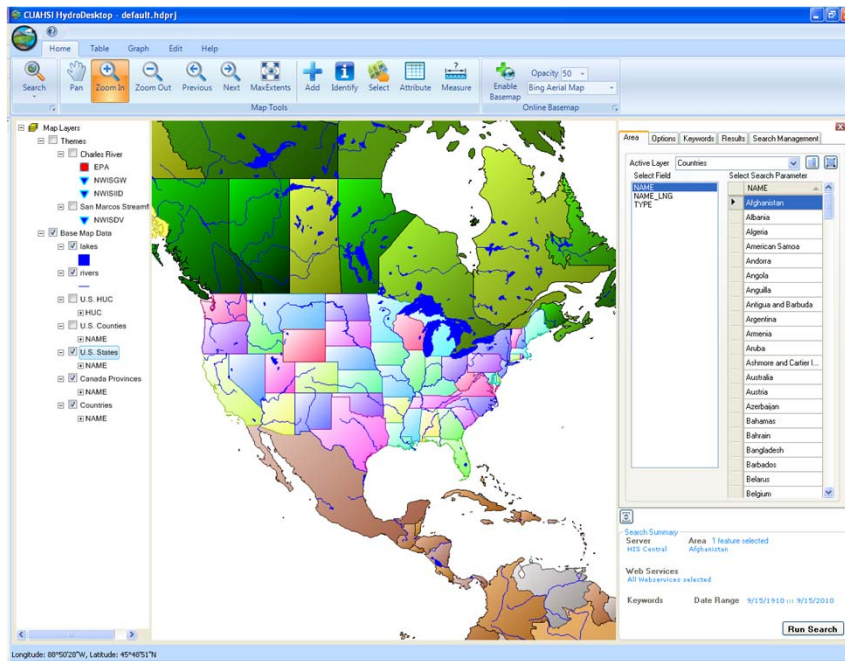
2010 Biennial Meeting

- July 19th – 22nd 2010, Boulder, ***Water across the interfaces***, Conference Chair – Claire Welty
- 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

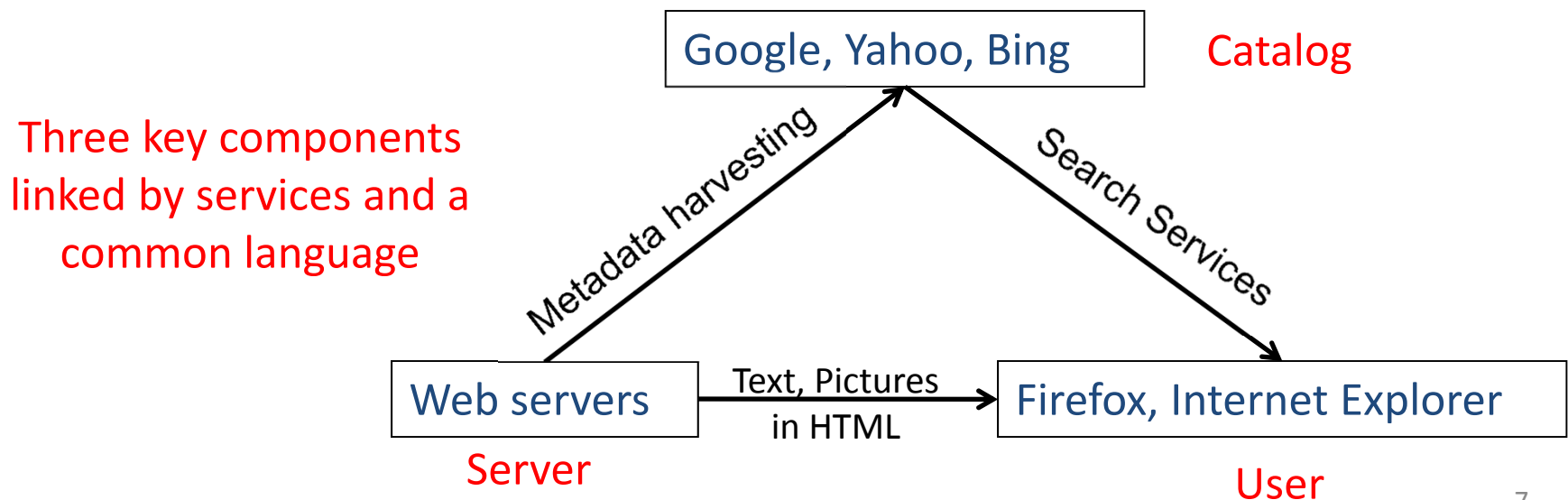
Download client at <http://his.cuahsi.org>

How does the internet work?

This is how it got started

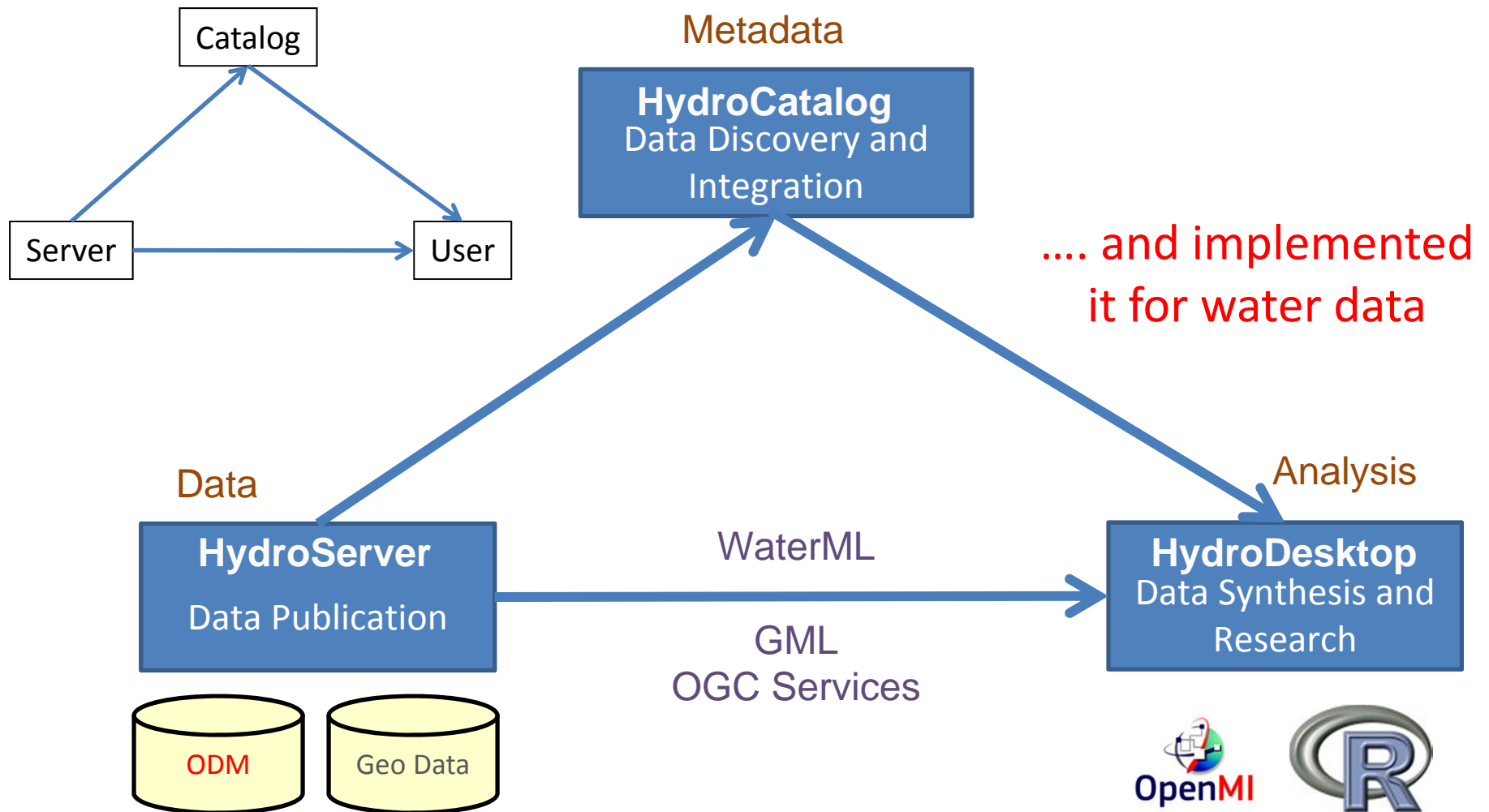


.....this is how it works now



What has CUAHSI Done?

Taken the internet services model....



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
 - Hydrogeophysics, Ty Ferre, <http://www.cuahsi.org/hmf.html>
 - 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
 - Catchment Comparison Exercise 2010, <http://www.cuahsi.org/cce2010.html>
 - 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

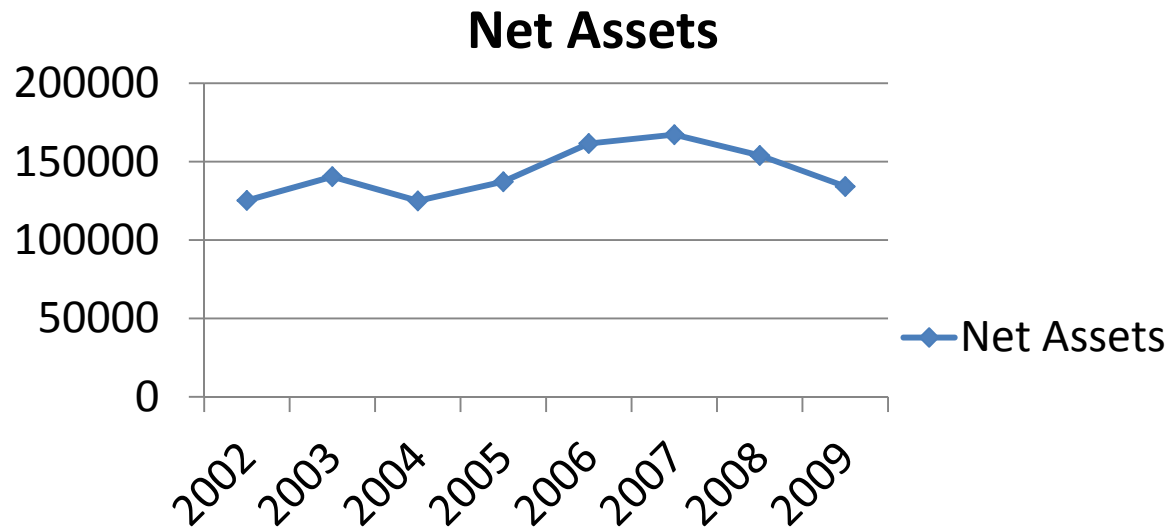
3 representatives per member university – guidelines

- 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

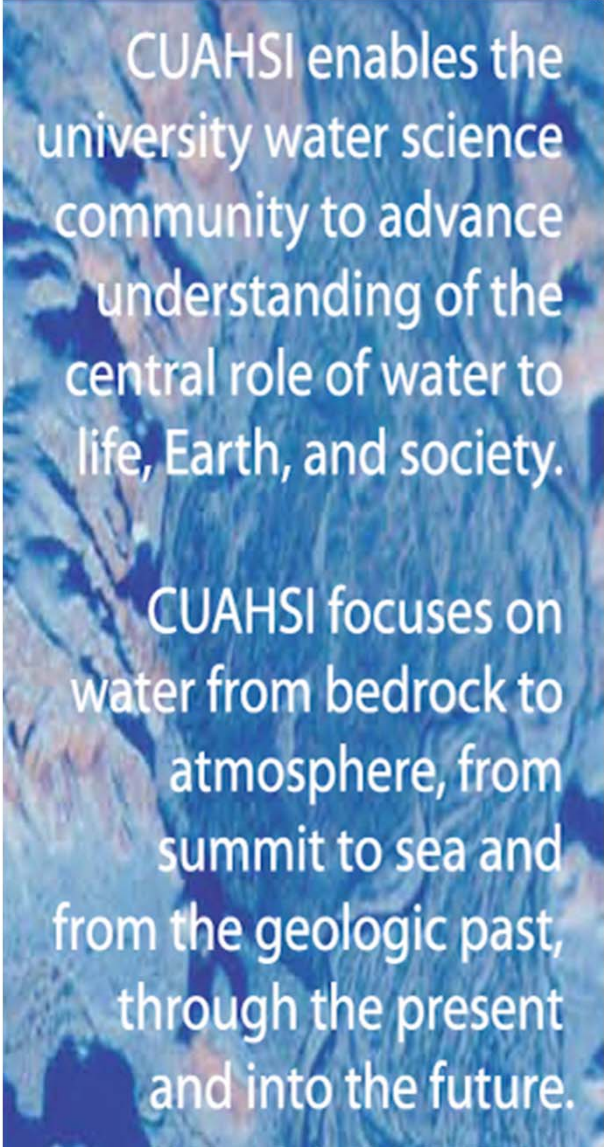


- Funds peaked on 12/31/2007
- Declined the succeeding years to ~\$134,000
- Expenditures of ~\$15,000/year

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



CUAHSI enables the university water science community to advance understanding of the central role of water to life, Earth, and society.

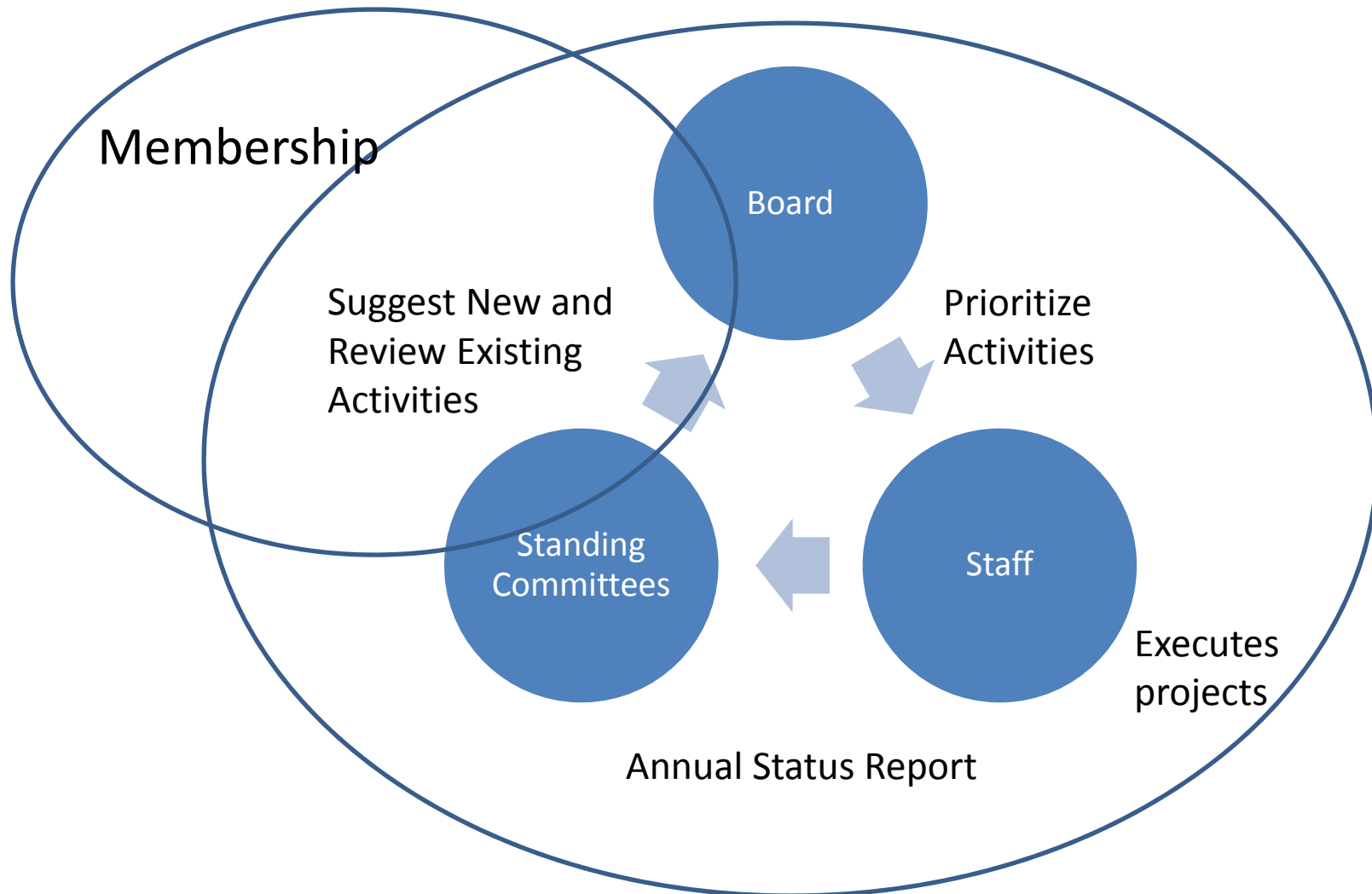
CUAHSI focuses on water from bedrock to atmosphere, from summit to sea and from the geologic past, through the present and into the future.

- 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



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

<i>Type of Membership</i>	<i>Number of Members</i>	<i>Membership Income</i>
University Members	112	\$224,000
Affiliate Members	23	\$11,500
Total		\$235,500
Membership Income Paid		\$235,500
Membership Income Receivable		\$0

Current Year Fund Activity

CUAHSI Membership Fund Balance 01/01/10	\$134,159
Membership Income 2010	\$1,000
Interest Earned 2010	\$0
Expenditures 2010	(\$9,527)
AGU Reception (Est.)	(\$2,000)
CUAHSI Membership Fund Balance 12/01/10	\$123,632

Federal Funding (Year 2)

Award Year 2 (February 2010 - January 2011)

Funds Awarded	\$ 1,370,424	
Total Expenditures and Obligations		
<i>Budget Categories</i>	<i>Totals</i>	<i>% of Total</i>
Strategic Planning	98,983	7.5%
Community Outreach	128,469	9.7%
Community Wide Meetings	156,221	11.8%
CUAHSI Data Services	203,792	15.4%
CHyMP	74,504	5.6%
Instrumentation	82,013	6.2%
Education and Outreach	83,624	6.3%
Indirect Costs	494,102	37.4%
Total Expenditures and Obligations	\$ 1,321,708	
Residual Funds to be Expended in Year 3	48,716	