

Minutes of the first Annual Meeting of the Board of Directors of the Consortium of Universities for the Advancement of Hydrologic Science, Inc. (Held in the Moscone Center, San Francisco, California on 13 December 2001)

Participating were Directors Roger Bales (University of Arizona), Ana Barros (Harvard University), Rafael Bras (Massachusetts Institute of Technology), Stephen Burges (University of Washington), James Butler (University of Kansas), Christopher Duffy (Pennsylvania State University), Efi Foufoula (University of Minnesota), David Furbish (Florida State University), Steven Gorelick (Stanford University), Robyn Hannigan (Arkansas State University), David Hyndman (Michigan State University), Douglas Kane (University of Alaska, Fairbanks), Levant Kavvas (University of California, Davis), Witold Krajewski (University of Iowa), Venkat Lakshmi (University of South Carolina), Upmanu Lall (Columbia University), David Maidment (University of Texas), James McNamara (Boise State University), Miguel Medina, Jr. (Duke University), Tom Meixner (UC-Riverside), Fred Ogden (University of Connecticut), Marc Parlange (Johns Hopkins University), Tom Piechota (University of Nevada, Las Vegas), Kenneth Potter (University of Wisconsin), Jorge Ramirez (Colorado State University), Frank Schwartz (Ohio State University), John Selker (Oregon State University), David Tarboton (Utah State University), Scott Tyler (University of Nevada, Reno), Claire Welty (Drexel University), John L. Wilson (New Mexico Tech), Chunmiao Zheng (University of Alabama), and Alternate Directors Michel Boufadel (Temple University), Robert Holt (University of Mississippi), Casey Miller (University of North Carolina System), and Dan Murray (University of Rhode Island). Kenneth Potter, Chair of the Board of Directors, chaired the meeting. Marshall Moss (CUAHSI President), James Gosz (University of New Mexico), and John Warwick (University of Florida) were observers.

The meeting was declared opened at approximately 6:05 pm Pacific Standard Time and a roll was taken, which resulted in 36 Directors and Alternates being present, and thus a quorum of the 46 Directors was achieved.

Announcements:

Ken Potter reported that the minutes of the last meeting of the Board of Directors were available on the CUAHSI web site and that they had been approved by electronic vote. He further announced that the minutes of all of the conference calls by the Executive Committee since the last Board Meeting had been posted on the web site with the exception of the meeting held that morning and that all Directors had been informed by email after each posting.

Steve Burges (Chair of the Nominations Committee) reported that there had been a poor response to the call for nominations for the current elections of officers and at-large members of the Executive Committee with only one member nominating a full slate of candidates. One additional member nominated a single individual for office. This had made it difficult to find candidates for the offices and had resulted in only one candidate being listed on the ballot for each position.

Marshall Moss reported that the finances of the corporation were in reasonably good shape. Thirty-four of the 46 Member Universities already had paid their membership fees and that the residual of those funds after paying the costs of establishing the consortium and its corporation were being held in a high interest savings account because of the recent volatility of the stock market and the relatively flat yield curves on certificates of deposit. He suggested that about half of these funds could now be converted into certificates of deposit of various maturities with the result that the returns on them could be increased by about 50 percent without unduly encumbering their liquidity. There were no negative comments pertaining to this suggestion. He further reported that the funds from the grant by the National Science Foundation were not being expended at the rate anticipated in the grant proposal primarily because the Science Planning Workshop that had been planned for Washington DC (1-4 October 2001) had been canceled and a much cheaper virtual workshop and conference call were held in its place.

Establishment of policies

Membership criteria: Ken Potter reported that the Executive Committee recommended that the Board adopt a policy that no additional restrictions on membership beyond those stated in the Bylaws should be imposed on membership in the corporation. Jorge Ramirez moved that the only criteria for membership be those specified in the Bylaws. John Wilson seconded the motion, and it was passed unanimously by acclamation.

Rights and privileges of Member Universities: Ken Potter reported that the Executive Committee had developed the following statement of rights and privileges for Member Universities, which it recommended to the Executive Committee for establishment of policy.

It is the right of any Member University to have an equal voice and vote with any other Member University in the development, implementation, and evolution of the CUAHSI programs through its elected representation on the CUAHSI Board of Directors, which is vested with the full power in the management of the affairs of the consortium and its corporation.

It is the privilege of any Member University to have access for its relevant faculty, staff members, and students to participate in any programs supported and/or implemented by CUAHSI. This right of access is only limited by the capacity constraints inherent in the finite resources available to the individual programs and by the requirements of good stewardship of those programs and resources.

John Wilson moved that the above statement be confirmed as policy of the corporation, and Steve Burges seconded the motion, which passed unanimously by acclamation.

Rights and privileges of Affiliate Members: Ken Potter reported that the Executive

Committee recommends that the Board adopt a policy that the rights and privileges of Affiliate Members be defined as being equal to those of Member Universities in all respects except for those rights and privileges that are restricted to Member Universities by the Bylaws or by the instructions of donors of funds that support particular CUAHSI programs or activities. John Wilson explained that the Advisory Committee on Affiliate Membership, which he chaired, was deliberating potential additional policy recommendations, but that the diversity interests and organizational structures of potential Affiliate Members makes it difficult to make specific recommendations prior to the definition of the consortium's programs.

Upmanu Lall moved that the recommended policy statement be accepted as official policy of the corporation. Marc Parlange seconded the motion, and it was passed unanimously by acclamation.

Rights and privileges of Foreign Affiliates: Ken Potter reported that the Executive Committee recommended that the Board charge the President with creating an Advisory Committee on Foreign Affiliation to serve in a similar capacity to that of the Advisory Committee on Affiliate Members. John Wilson moved that the Board so charge the President, and Miguel Medina seconded the motion, which was passed unanimously by acclamation.

Report on preparation of the Science Plan

Ken Potter directed the Board to the reports that were provided by each of the Advisory Committees and noted that all but one of them had made presentations in the AGU Special Session that morning. He then asked Robyn Hannigan to provide a brief oral report of the activities of the Committee on Education and Outreach, which she did.

Establishment of committees

Marshall Moss gave a brief presentation on the types of committees that were described in the Bylaws, pointing out that since the last meeting of the Board of Directors, he with the encouragement of the Executive Committee had established five Advisory Committees that naturally would be considered to be Standing Committee. This was done as an expediency to maintain momentum in the science planning activities. He further noted that the Executive Committee would be asking the Board to establish Standing Committees to replace these five Advisory Committees as well as to establish an additional Standing Committee on Research Applications. He also pointed out that Standing Committees could only be established by the Board of Directors, but that the Board could delegate the filling of the rosters of the committees that it established to the Executive Committee if it so desired.

Ken Potter reported that the Executive Committee recommends the establishment of six Standing Committees and that the Board should delegate the filling of the rosters of

the Standing Committees that it does establish to the Board's Executive Committee. He further stated that the Executive Committee recommended that the Board establish the following guidance to the Executive Committee in carrying out this delegated authority.

Policy: *The membership of Standing Committees designated by the Board of Directors will be appointed by the Executive Committee of the Board using the following guidance: (1) the committee membership normally shall range between six and twelve persons; (2) not less than one half of the membership will be faculty of Member Universities; (3) each committee shall have both a Chair and a Vice Chair; and (4) Representatives and Alternates of Member Universities should be given preference for committee membership if they are qualified to perform the duties of the committee to which they are being appointed and if they indicate that they have adequate time to do so.*

Michel Boufadel moved that this policy be accepted by the Board, and John Selker seconded the motion. Discussion followed that generally advocated strengthening the role of faculty members of Member Universities in the filling of Standing Committee rosters. Rafael Bras offered a friendly amendment that the third item of the proposed policy statement should be modified to read *(3) each committee shall have both a Chair and a Vice Chair that are faculty members of Member Universities*. The amendment was accepted by the mover and seconder, and discussion continued as to whether or not the guidance should be made mandatory and not guidance alone until Steve Gorelick called for a vote on the amended motion. The amended motion was passed unanimously by acclamation.

Ken Potter reported that the Executive Committee recommended the establishment of six Standing Committees with the following names and charges:

Standing Committee on Hydrologic Science

The Standing Committee on Hydrologic Science is responsible to the CUAHSI Board of Directors for assuring that all major scientific issues in the field of hydrologic science and in other fields of Earth science that are closely related to hydrology are brought to the Board's attention with adequate background, context, and recommendations that the Board can endeavor to direct its programs of hydrologic infrastructure to maximize their positive impacts on advancing those sciences. This committee also is responsible for coordinating its efforts with the other Standing Committees where appropriate and for carrying out other responsibilities as assigned by the Board of Directors or its Executive Committee.

Standing Committee on Observatories for Hydrologic Science

The Standing Committee on Observatories for Hydrologic Science is responsible to the CUAHSI Board of Directors for assuring that all significant observatory issues in the field of hydrologic science and in other fields of Earth science that are closely related to hydrology are brought to the Board's attention with adequate background, context, and recommendations that the Board can endeavor to direct its programs of hydrologic infrastructure to maximize their positive impacts on advancing those sciences. This committee also is responsible for coordinating its efforts with the other Standing Committees where appropriate and for carrying out other responsibilities as assigned by the Board of Directors or its Executive Committee.

Standing Committee on Hydrologic Information Systems

The Standing Committee on Hydrologic Information Systems is responsible to the CUAHSI Board of Directors for assuring that all significant information-system issues in the field of hydrologic science and in other fields of Earth science that are closely related to hydrology are brought to the Board's attention with adequate background, context, and recommendations that the Board can endeavor to direct its programs of hydrologic infrastructure to maximize their positive impacts on advancing those sciences. This committee also is responsible for coordinating its efforts with the other Standing Committees where appropriate and for carrying out other responsibilities as assigned by the Board of Directors or its Executive Committee.

Standing Committee on Hydrologic Measurement Technology

The Standing Committee on Hydrologic Measurement Technology is responsible to the CUAHSI Board of Directors for assuring that all significant measurement-technology issues in the field of hydrologic science and in other fields of Earth science that are closely related to hydrology are brought to the Board's attention with adequate background, context, and recommendations that the Board can endeavor to direct its programs of hydrologic infrastructure to maximize their positive impacts on advancing those sciences. This committee also is responsible for coordinating its efforts with the other Standing Committees where appropriate and for carrying out other responsibilities as assigned by the Board of Directors or its Executive Committee.

Standing Committee on Education and Outreach

The Standing Committee on Education and Outreach is responsible to the CUAHSI Board of Directors for assuring that all issues related to education

and outreach that could and should be addressed by the science initiatives of CUAHSI are brought to the Board's attention with adequate background, context, and recommendations that the Board can endeavor to direct its research programs to maximize their positive impacts on advancing the science through education and outreach. This committee also is responsible for coordinating its efforts with the other Standing Committees where appropriate and for carrying out other responsibilities as assigned by the Board of Directors or its Executive Committee.

Standing Committee on Research Applications

The Standing Committee on Research Applications is responsible to the CUAHSI Board of Directors for assuring that all issues related to research applications that could and should be addressed by the science initiatives of CUAHSI are brought to the Board's attention with adequate background, context, and recommendations that the Board can endeavor to direct its research programs to maximize their positive impacts on advancing the science through research applications. This committee also is responsible for coordinating its efforts with the other Standing Committees where appropriate and for carrying out other responsibilities as assigned by the Board of Directors or its Executive Committee.

Steve Burges moved that the six Standing Committees so described be established by the Board. Miguel Medina seconded, and the motion passed unanimously by acclamation.

Ken Potter then stated that the current Executive Director, Marshall Moss, desired to be relieved of that position for personal reasons as soon as a successor could be employed and that the Executive Committee recommended that the Board of Directors establish a Special Committee to search for a new Executive Director and that the Executive Committee be authorized to select a roster for that Special Committee. John Wilson so moved, and Lev Kavvas seconded. The motion passed unanimously by acclamation.

Establishment of an Advisory Council

Ken Potter reported that the Executive Committee recommended that the Board establish an Advisory Council as described in the Bylaws. Michel Boufadel moved that an Advisory Council be established, and David Maidment seconded the motion. Discussion then followed as to the relationship between the Science Advisory Committee defined in the CUAHSI grant proposal to the National Science Foundation and an Advisory Council. It was pointed out that the Advisory Council should function much like the visiting committees that most academic departments and centers have,

which are filled with people from outside the entity that is seeking the advice. It was further pointed out that the Science Advisory Committee was comprised primarily of current Directors and faculty of Member Universities and thus would not constitute an acceptable Advisory Council. Rafael Bras suggested that the President establish guidelines for the Advisory Council that would take into account that its membership be from schools, agencies, or countries not currently involved in the consortium. With this guidance in the staffing of the Advisory Council, the motion passed unanimously by acclamation.

Election of Officers and Executive Committee

Steve Burges, the Chair of the Nominations Committee and Teller according to the Bylaws, announced that he and Ana Barros had counted all of the ballots cast and that the following persons were declared winners:

Chair of the Board of Directors – John Wilson
Vice Chair of the Board of Directors – Ken Potter
At-large Member of the Executive Committee (3-year term) – Jorge Ramirez
At-large Member of the Executive Committee (2-year term) – Frank Schwartz
At-large Member of the Executive Committee (1-year term) – Chris Duffy
President of the Corporation – Marshall Moss
Secretary of the Corporation – Tom Meixner
Treasurer of the Corporation – Claire Welty

Rafael Bras moved that the results of the election be declared official and that the ballots be destroyed. David Tarboton seconded the motion, which passed unanimously by acclamation.

Resolutions

Ken Potter reported that Resolution 6 adopted on 10 August 2001 was now out of date because of the election of a new Treasurer of the Corporation and suggested that it be re-resolved replacing the name of the former Treasurer, Laura Toran, with that of the new Treasurer, Claire Welty. John Wilson so moved, and Steve Burges seconded the motion, which passed unanimously by acclamation.

Date of the next meeting of the Board of Directors

Steve Burges moved that the next meeting of the Board of Directors be immediately after the conclusion of the next meeting of the Membership that is to be scheduled sometime in the period, 28 May to 3 June 2002, in Washington DC in conjunction with the Spring meeting of the American Geophysical Union. Claire Welty seconded the motion, which was passed unanimously by acclamation.

Other business

Ken Potter called for any additional business. Hearing none, he asked for a motion to adjourn the Annual Meeting of the Board of Directors. Claire Welty so moved, and Robert Holt seconded. The motion was passed unanimously by acclamation, and the meeting was adjourned at approximately 7:00 pm Pacific Standard Time.