

**UF Water Institute
Faculty Advisory Committee Minutes
307 Weil Hall**

Tuesday, February 10, 2009
3PM – 5PM

Attendees:

FAC - Dorota Haman, Jim Jones, Ramesh Reddy, Jim Jawitz, Rafael Munoz-Carpena, Tom Frazer, Richard Haman, Robert Ries, Mark Brenner, Chris McCarty, (*not present: Mike Annable, Tatiana Borisova, Jon Martin, Christine Overdevest, Peter Sheng*)

Water Institute – Wendy Graham, Kathleen McKee, Lisette Staal

1. Introductions

- all participants introduced themselves and departmental affiliation. See Appendix A for current FAC members and FAC Charter

2. Selection of standing time for FAC meetings in 2009

- agreed on the 2nd Tuesday of the month from 11:45 – 1:30 lunch meeting. Action: send email to all with invite

3. Director's Update – Wendy Graham

- Update of recent activities and developments in the Water Institute were shared. See Appendix B for presentation. Current Programs discussed:
 - o Biennial Progress Energy-Water Institute Symposium
 - o Smallwood Distinguished Scholar Seminar Series
 - o Peer Review Services and Expert Assistance for Florida Agencies
 - o Program Initiation Fund
 - o Externally Funded Research Projects
 - o Hydrologic Sciences Academic Cluster Graduate Program

Clarification was requested on Peer Review Services and Expert Assistance for Florida Agencies regarding funding available to support the activities. It was noted that these types of activities, although not originally anticipated as a key part of the Institute, have become a significant part of what the Water Institute can offer as an impartial facilitator providing access to good science. Budgets are based on cost of carrying out these activities and include staff time as well as honoraria required for panel members.

FAC suggested:

- WI should continue with these types of activities as a for fee service.

- Water Institute should advertise and make information on this service more available.

4. WI Sub-Committees for review of Water Institute, nominations for 2009-10 Seminar series, considering establishment of External Advisory Committee

The FAC generally agreed that sub-committees were not needed and that they would prefer to address these topics as a full group during monthly meetings. WI staff will provide background information on the topics and request input from the FAC.

a. Review/evaluation of the Water Institute

Wendy Graham noted that she would like the FAC to conduct a review of Water Institute Programs to evaluate the balance of activities, identify strengths and weaknesses in these programs, assess the degree of engagement and opinions of UF Faculty, and document if/where the Institute is adding value to UF water programs.

issues she raised included: Who to specifically target? How to best get a true reading from that audience? How to go about getting the information that would be useful to future directions.

FAC suggested:

- Set goals for review before initiating process so that it can be designed effectively
- Invite Win Phillips to meet with the FAC, before the review and engage him in the process
- Conduct a review rather than an evaluation emphasizing that it would be for obtaining feedback, rather than an evaluation (*3 years is too soon for evaluation*).
- Gather input from faculty, unit leaders (deans and chairs), external stakeholders and form Distinguished Scholars
- Surveys may be overused and design important so as not to overwhelm. Provide succinct background information (as presented in the update) and focused questions for each group
- Get ANECDOTAL INFORMATION (success stories, quotes) as part of the process in an effort to capture intangible benefits.
- Consider having faculty meetings in each academic unit as opposed to a survey (*this would be over 30+ Units*).

Actions:

- WI Staff will draft a summary of goals and process and prepare background information (i.e. reports and shorter “marketing documents” to share with FAC for review and comment at next meeting.
- FAC Chair (Dorota) and Wendy to invite Win Phillips to meet with the FAC after process is designed to get his input and buy-in. Plan for FAC meeting in April.

b. Solicit nominations for 2009-10 WI seminar series

Nominations for the 2009-10 WI seminar series must be made by the end of the Spring 2009 semester.

Actions:

- FAC suggestions welcome at anytime
- Will revisit specifically at a later meeting.

c. Consider formally establishing External Advisory Committee

The WI strategic plan indicated that by the end of the third year (i.e. June 2009) an External Advisory Committee (or Council of Advisors) would be established. This is a topic the FAC should discuss and provide advice on.

Actions:

- Will revisit specifically at a later meeting.

5. WI Symposium (Feb 24-26, 2010)

a. Introduction – Wendy Graham

Background on previous Symposium and planning needs for 2010 Symposium were provided. See Appendix C for this information

b. Brainstorm WI Symposium theme and committee membership for 2010

FAC suggestions for theme:

- Broad theme is good, preference for something like: Sustainable Water Resources: Economy, Energy, Environment) then let Committee define the specifics through session topics. Possible session topic Sustainable Water Resources: Fact, Fiction or Fantasy?
- Orient theme around the STC proposal, ensuring interdisciplinary emphasis
- Engage regional partners in planning (UGA, Auburn, Ga. Tech?).
- Not too vague- focus on specific problems and solutions (case studies for specific problems e.g. alternative water supplies; water cropping; numeric nutrient criteria; water, carbon, renewable energy nexus)
- Consider a smaller Workshop (product focused) linked (following) with the symposium
- Potential to link with other funders interests (e.g. Nat Reed's interest in numeric nutrient criteria for Florida Waters) Explore linkage with Law School Center for Governmental Responsibility in this area

FAC suggested for Advisory Committee makeup:

- Mix including external (Outside UF academics, WMD executive directors, DEP (Janet Llewellyn), Utilities, Federal Agency personnel, NGOs, Industry), UF Faculty, UF Graduate Students .
- Represent Geographies where complex water issues are being addressed– Colorado River, ACF, Chesapeake Bay, S. Africa, Australia, Netherlands- have panel populated by various stakeholders i.e. scientists, managers, policy makers, industry, NGOs, public

- Represent different disciplines.

6. Election of Chair-elect

Tom Frazer was nominated and unanimously elected to be Chair-elect for Calendar year 2009. He will begin term as Chair in January 2010.

7. Other business

Appendix A

Faculty Advisory Committee Membership

Mike Annable, Environmental Engineering Sciences, Term ends Dec 2011
Tatiana Borisova, Food and Resource Economics, Term ends Dec 2011
Rafael Munoz-Carpena, Agricultural and Biological Engineering, Term ends Dec 2011
Christine Overdevest, Sociology, Term ends Dec 2011
Ramesh Reddy, Soil and Water Sciences, Term ends Dec 2011

Mark Brenner, Geology, Term ends Dec 2010
Tom Frazer, Fisheries and Aquatic Sciences, Term ends Dec 2010
Dorota Haman, Agricultural and Biological Engineering, Term ends Dec 2010, Chair
Chris McCarty, Bureau of Economic and Business Research, Term ends Dec 2010
Peter Sheng, Civil and Coastal Engineering, Term ends Dec 2010

Richard Hamann, Law, Term ends Dec 2009
Jim Jawitz, Soil and Water Sciences, Term ends Dec 2009
Jim Jones, Agricultural and Biological Engineering, Term ends Dec 2009
Jon Martin, Geology, Term ends Dec 2009
Robert Ries, Building Construction, Term ends Dec 2009

Water Institute Faculty Advisory Committee Charter

The Faculty Advisory Committee shall consist of 15 participating Water Institute Affiliate faculty serving staggered 3 year terms. Ten of the members will be elected and five will be appointed to ensure disciplinary and other types of diversity. The Faculty advisory committee will meet at least monthly during the academic year.

Duties of the Faculty Committee

The Faculty Committee shall be representative of and responsible to the entire Affiliate Faculty of the Water Institute. It shall advise the Director on the formulation and execution of Water Institute programs and policies. The main function of the Faculty Committee shall be to initiate, discuss, evaluate, and recommend short and long range plans for the Water Institute. It shall serve as advisor to the Director on its own initiative or on request from the Director or the Affiliate Faculty.

Officers: The officers of the Faculty Advisory Committee shall consist of a Chair, Chair-Elect, and Past-Chair.

Election and Term of Office: The Faculty Advisory Committee shall select one of its members to serve a three-year term, in which he or she serves one year as Chair-Elect, followed by one year as Chair, and then one year as Past Chair. The Past Chair is not eligible for immediate re-election as Chair-Elect at the expiration of his or her term. If during this cycle, the term of office as a Director of the Chair-Elect/Chair/Past-Chair expires, this person shall automatically re-appointed for an additional three year term.

Chair: The Chair of the Faculty Advisory Committee shall, when present, preside at all meetings of the Committee. The Chair, together with Water Institute staff, shall set the agenda and convene the Committee.

Chair-Elect and Past-Chair: The Chair-Elect shall succeed as Chair at the completion of the current Chair's term of office. The Past-Chair is the person who served as Chair in the term immediately preceding the current Chair. In the event of absence of the Chair, the Chair-Elect shall preside at all meetings of the Board of Directors. In the event of absence of both the Chair and the Chair-Elect, the Past Chair shall preside at all meetings of the Board of Directors.

Meeting Frequency: The Committee may be convened upon request of either the Chair or the Water Institute Director, and shall meet at least monthly during the academic year. Physical meetings, web-based meetings and teleconferences may all serve as meetings of the committee.

Quorum: The quorum for both physical and electronic meetings and actions of the Faculty Committee shall consist of 50% of the Committee membership.

Reporting Requirements: Water Institute staff will make minutes of each meeting of the Committee available to the Affiliate Faculty as soon as possible following each meeting.

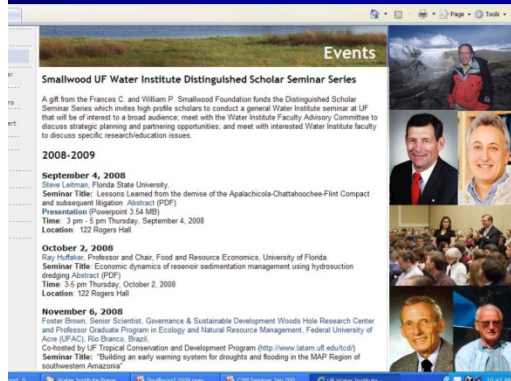
Appendix B



Water Institute Strategies

- Develop partnerships with external stakeholders to identify and prioritize critical water issues requiring interdisciplinary expertise; as well as to provide expertise and support for addressing these issues.
- Build interdisciplinary teams to provide the knowledge base for, and to develop and encourage the implementation of new technology and policy solutions for state, national and international water issues.
- Integrate and strengthen UF water faculty expertise within existing Departments and Centers.
- Recruit and train excellent students to pursue careers in water-related science, engineering, policy, planning, and management, bringing with them an interdisciplinary focus

University of Florida Water Institute Symposium



UF Water Institute Mission

- To bring together talent from throughout the University to address complex water issues through innovative interdisciplinary research, education and outreach programs



Current Water Institute Programs:

- Biennial Water Institute Symposium
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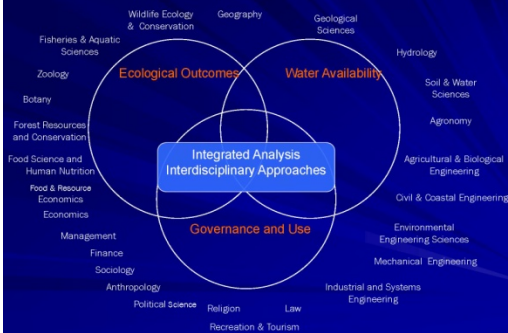


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Water Institute 2007 Program Initiation Fund Awards

- Protecting Florida's Water Quality: Identifying and Overcoming Barriers to Implementation of Low Impact Development (LID) Practices.
- A Framework for Assessing The Hydrologic Footprint of Large-scale Biofuel Production
- Environmental Consequences of Nutrients and Organic Matter Injection into Carbonate Aquifers: Implications for Water Quality in Aquifer Storage and Recovery (ASR) Technology.
- Sediment Transport through Tidal Inlets During Extreme Forcing: Erosion or Accretion?
- Coupling of Advanced Oxidation and Adsorption Processes onto Silica-Titania Composites for Low Level Capture of Metals from Water Effluents.
- Water, Gender And Equity In India.



Peer Review Services and Expert Assistance

- Peer Review of Florida Section of the American Water Works Association Florida 2030 Task Force Issue Papers
- St. Johns River Water Management District Technical Symposium on Water Withdrawals
- Peer Review of the Watershed Assessment Model: Florida Department of Agriculture and Consumer Services
- Coordination of the NE Florida Water Supply Planning Process: SJRWMD & SRWMD
- Peer Review of the SJRWMD Water Conservation Efforts



Water Institute Projects (~\$5 M)

Water Institute Directed

- Cooperative Graduate Research Assistantships for South Florida: South Florida Water Management District/Florida Water Resources Research Center
- Demonstration of Water Quality BMPs for Beef Cattle Ranching in the Lake Okeechobee Basin : Florida Department of Environmental Protection
- India Agricultural Knowledge Initiative: U.S. Department of Agriculture
- Suwannee River Hydrologic Observatory: National Science Foundation
- Use of Seasonal Climate Forecasts to Reduce Risk in Regional Public Water Supply Management in the Tampa Metropolitan Region: NOAA, Tampa Bay Water

Water Institute Assisted

- Conserve Florida Clearinghouse: FDEP, SJRWMD, SWFWMD, SJRWMD
- Dynamic Regional Data Decision Support System: AWWA Research Foundation, Palm Beach County Utilities , PBS&J
- Summary and Synthesis of the Available Literature on the Effects of Nutrients on Spring Organisms and Systems: FDEP
- Reducing nonpoint source loss of nitrate with in the Santa Fe Basin Florida Department of Environmental Protection, Apr 2007- Oct 2009.



2009 Program Initiation Fund

Overall goal: Stimulate collaborative interdisciplinary working groups to scope problem, engage stakeholders, develop knowledge, build consensus and develop solutions for complex water issues, e.g.

- Impacts of freshwater withdrawals, extreme events and climate change in St. Johns River basin
- Development and implementation of springs management plans
- Stakeholder attitudes, perceptions and behaviors related to agricultural best management practices
- Programmatic review and efficacy assessment of the Outstanding Florida Waters program
- Water allocation issues in the Apalachicola-Chattahoochee-Flint river basins.



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Appendix C

Water Institute Symposium Feb 24-26, 2010
UF Hilton Gainesville Florida

Goals of the Symposium

- Showcase Water Research and Education Programs in Florida
- Create visibility for Water Institute (state? regional? National?)
- Build relationships between faculty, agency personnel, policy makers, industry, consultants, public
- Others???

Audience

- UF faculty and students
- External Academics
- Florida Agency staff/scientists
- Consultants
- Industry
- National agencies staff/scientists

Size: 450-500 people

Format:

- Invited nationally recognized keynote speakers
- Invited state speakers for oral presentations and panels
- Contributed oral presentations and posters
- Friday morning invited workshop??

Focus:

- Sustainable Water Resources: Complex Challenges, Integrated Solutions ?????
- Sustainable Water Resources: Economy, Energy, Environment????
- Sustainable Water Resources: Economy, Equity, Environment????
- Other ideas???

Organizing Committee: