

# UF WATER INSTITUTE FALL RETREAT 2006

October 16, 2006 9:00-4:00

Austin Carey Forest Lodge

## AGENDA

**9:00 Welcome: History and Context of WI** ([click for power point presentation](#))

**9:10 Introductions** ([click for attendee list](#))

**9:40 Objectives and Participant Expectations**

**10:00 Faculty Survey results** ([click for power point presentation](#))

**10:20 Break**

**10:35 Scenarios Exercise: What will the Water Institute look like?** ([click for results](#))

- Research
- Outreach
- Collaboration

**12:30 Lunch**

**1:30 Thrust areas and criteria for Research and Outreach** (small groups)

- Establish criteria ([click for criteria considered](#))
- Define thrust areas ([click for thrust areas defined](#))
- Discuss in plenary

**3:00 Break**

**3:15 Next Steps:**

- In thematic groups, define what, when, who and how (click for [next steps](#) and [volunteer lists](#))

**3:50 Summary, Evaluation and Closure**

## **Water Institute Fall 2006 Retreat: Summary of Scenarios Exercise**

### **1. Scenarios Exercise: What will the Successful Water Institute look like in 2011? (Common characteristics suggested by 4 break-out groups)**

#### **The Water Institute is recognized for...**

- an engaged interdisciplinary faculty – disciplinary isolation (disciplinary silos) have been broken down
- an excellent reputation within UF as well as within the state, nation, and world
- strong partnerships with the Water Management Districts and local governments (long term funded research--demonstration sites have been established in all Water Management Districts)
- facilitating discussions between regulatory agencies, industry, and academia
- being an honest broker, the go-to place to have problems solved
- training excellent students
- impacting water policy at the state level
- strong externally funded grants program from state, national and international sources
- distributing indirect costs in an equitable manner that fosters interdisciplinary work and does not threaten department chairs or deans
- building/recruiting water faculty at UF in under-represented disciplines (especially social sciences, policy sciences, and the humanities)
- obtaining funding for 5 endowed professorships
- a strong visiting scholar program
- a strong annual symposium
- a robust, well-respected external advisory board
- supporting operating expenses with endowments
- research and outreach programs that are self-sustaining through state and federal earmarks
- being called on by the state and national press (e.g. NPR) for issues regarding water
- excellent Water Institute staff including grants facilitator, communication director, IT director, and accountant
- a strong publication record in top peer reviewed journals, as well as white papers and synthesis articles for agencies and op-ed pieces in newspapers
- supporting the development of technologies for state, national and international applications
- world renowned water faculty who receive prestigious awards, and are members of NAS, NAE, etc.

**2. Scenarios Exercise: What will Unsuccessful Water Institute look like in 2011?  
(Common pitfalls to avoid from 3 break-out groups)**

**The Water Institute failed because...**

- there was not adequate incentive to encourage faculty participation and support
- no realistic metrics for success were established early on
- failed to get Deans' support of metrics for success
- there was limited administrative support
- there was no increase in external funding
- very few departments were engaged – failed to break down disciplinary isolation
- the internal advisory board was too biased or narrowly focused
- failed to engage social scientists
- not enough outreach
- external advisory board was neglected
- insufficient grants, papers, post docs, grad students, public awareness
- there was no Water Management District or Legislative support
- unable to strike an effective balance between basic and applied research
- unable to strike an effective balance between local, state, and international research
- takes advantage of ideas and plans of others and is viewed as a parasite
- becomes too narrowly focused (e.g. focuses only on hydrology)
- no early 'success stories'
- there is a lack of incentive for top performers to affiliate
- not able to address issues of overlap/conflict with existing UF centers/institutes

**Water Institute Fall 2006 Retreat:  
Criteria proposed for consideration in determining Thrust Areas**

**The thrust areas should be...**

- interdisciplinary
- related to existing expertise at UF (or identifiable partners)
- related to outcomes that stakeholders are interested in
- related to research, education and outreach that stakeholders are willing to fund
- focused on areas with long term potential
- dynamic and complementary
- local, regional and international
- capable of encouraging student involvement
- able to contribute to fundamental understanding of important topics
- inclusive of Extension / Education
- related to issues in which UF is a leader
- compelling due to current situations and events
- based upon a portfolio of possible research efforts (comparison of projects that are sure to get funded with success and risky ventures)

**Water Institute Fall 2006 Retreat:  
PROPOSED WATER INSTITUTE THRUST AREAS**

- **Water Resources Sustainability**
  - Development of Alternative Water Supplies (Desalination, ASR, Reservoirs)
  - Water Treatment, Water Remediation
  - Management of Groundwater recharge areas
  - Water Conservation, Reuse, Demand Management
- **Water and Ecosystems**
  - Linking Terrestrial and Coastal Systems (Estuaries and Coastal Zone)
  - Springsheds
  - Wetlands
  - Watersheds
  - MFLs, TMDLs, BMPs, Ecosystem restoration
- **Water and Climate**
  - Extreme Events (Floods, Flood Control, Droughts, Hurricanes)
  - Climate Variability (ENSO phase, MDO)
  - Climate Change (Global warming, sea level rise, rainfall redistribution)
- **Water and Society**
  - Water Policy and Law
  - Water Pricing
  - Social Impacts and Implications (religion, poverty, social equity)
  - Public Health

## **Water Institute Fall 2006 Retreat: Next Steps**

- Hold elections for Internal Advisory Board
- Form faculty working groups for each thrust area
- Organize seminar series based on thrust areas: invite expert speakers to stimulate ideas and help gel faculty groups to prepare for proposal writing (webcast through polycom/webex)
- Investigate and circulate RFPs in thrust areas
- Design internal RFP to jumpstart faculty groups in thrust areas, including:
  - Funds for bringing in external speakers
  - Support for preliminary data collection and external proposal preparation
  - Matching funds for competitive proposals
  - Synthesis papers for refereed journals
  - White papers for setting research agendas with agencies
- Plan External Stakeholder Outreach and Form External Advisory Board
- Plan first Water Institute Symposium

## Water Institute Fall 2006 Retreat: Retreat Attendees

Amy Shober	Soil and Water Sci
Arnoldo Valle Levinson	Coastal & Ocean Eng
Chuck Jacoby	Coastal Extension Specialist, Fisheries & Aqu Sci
Craig Stanley	Gulf Coast Res and Ed Ctr - Bradenton
Dorota Haman	Ag & Bio Eng
Greg Kiker	Ag & Bio Eng
Hannah Covert	Ctr for Latin American Studies
Iske Larkin	Aqu Animal Health Ed Coord., Vet Medicine
Jasmeet Judge	Ag & Bio Eng
Jean-Clade Bonzongo	Env Eng Sci
Jim Heaney	Env Eng Sci
Jim Jawitz	Soil and Water Sci
Joan Bradshaw	Nat Resource Extension, Citrus Cnty
John Jaeger	Geology
Kathleen McKee	Water Institute
Ken Campbell	Ag & Bio Eng
Kirk Hatfield	Civil Eng
Lou Motz	Civil Eng
Mark Brown	Ctr for Enviro Policy; Env Eng Sci
Mark Clark	Soil and Water Sci
Mark Newman	Water Institute
Matt Cohen	SNRE
Michael Dukes	Ag & Bio Eng
Mike Annable	Env Eng Sci
Nancy Peterson	SNRE
Rafael Muñoz-Carpena	Ag & Bio Eng
Richard Hamann	Env Law
Rick Stepp	Anthropology
Roy Yanong	Fisheries & Aqu Sci
Ruth Francis-Floyd	Aqu Animal Vet Medicine
Sandra Russo	Prog Devel, International Ctr
Sandy Berg	Economics
Sanjay Shukla	Ag & Bio Eng
Spyros Svoronos	Chemical Engineering
Tom Obreza	Soil and Water Sci
Tom T-J Hsu	Civil Eng
Wendy Graham	Water Institute

## Volunteer Lists

### Received over 50 Volunteers/Nominees for Internal Advisory Committee

#### Volunteers for Symposium Planning Committee:

- Joan Bradshaw
- Ruth Floyd
- Roy Yanong
- Tom Obreza
- Jasmeet Judge
- Chuck Jacoby
- Nancy Peterson
- Amy Shober
- Sanjay Shukla
- Craig Stanley
- Iske Larkin (also seminar committee)

#### Volunteers for Faculty Working Groups

<p><b>Water Resources Sustainability Working Group</b></p> <ul style="list-style-type: none"> <li>■ Jasmeet Judge</li> <li>■ Joan Bradshaw</li> <li>■ Amy Shober</li> <li>■ Craig Stanley</li> <li>■ Jim Jawitz</li> <li>■ Sanjay Shukla</li> <li>■ Matt Cohen</li> <li>■ Nancy Peterson</li> <li>■ Louis Motz</li> <li>■ Michael Dukes</li> <li>■ Ken Campbell</li> <li>■ Sanford Berg</li> <li>■ Keith Ingram</li> <li>■ Tom Obreza</li> <li>■ Chuck Jacoby</li> <li>■ Rafa Muñoz Carpena</li> <li>■ Greg Kiker</li> <li>■ Ray Yanong</li> </ul>	<p><b>Water and Ecosystems Working Group</b></p> <ul style="list-style-type: none"> <li>■ Jasmeet Judge</li> <li>■ Ruth Floyd</li> <li>■ Sanjay Shukla</li> <li>■ Arnold Valle Levinson</li> <li>■ Chuck Jacoby</li> <li>■ Michael Dukes</li> <li>■ Ken Campbell</li> <li>■ Rafa Muñoz-Carpena</li> <li>■ Matt Cohen</li> <li>■ Greg Kiker</li> <li>■ Roy Yanong</li> <li>■ Iske Larkin</li> <li>■ Jean Claude Bonzonga</li> <li>■ John Jaeger</li> </ul>
<p><b>Water and Climate Working Group</b></p> <ul style="list-style-type: none"> <li>■ Jasmeet Judge</li> <li>■ Chuck Jacoby</li> <li>■ Rafa Muñoz Carpena</li> <li>■ Keith Ingram</li> <li>■ Jean Claude Bonzonga</li> <li>■ Greg Kiker</li> <li>■ Arnold Valle Levinson</li> <li>■ John Jaeger</li> <li>■ Mark Brenner</li> <li>■ Jim Jones</li> </ul>	<p><b>Water and Society Working Group</b></p> <ul style="list-style-type: none"> <li>■ Sanford Berg</li> <li>■ Greg Kiker</li> <li>■ Amy Shober</li> <li>■ Ruth Floyd</li> <li>■ Nancy Peterson</li> <li>■ Michael Dukes</li> <li>■ Chuck Jacoby</li> <li>■ Sandra Russo</li> <li>■ Roy Yanong</li> <li>■ Iske Larkin</li> <li>■ Jean Claude Bonzongo</li> </ul>



**Water Institute Fall 2006 Retreat: Welcome Power Point (double-click on image to see presentation)**

# **University of Florida Water Institute**



**Water Institute Fall 2006 Retreat: Summary of Survey Results (double-click on image to see presentation)**

# Summary of Results from the Water Institute Faculty Survey