

# PUBLIC WATER SUPPLY UTILITIES CLIMATE IMPACT WORKING GROUP (PWSU-CIWG)

Welcome to Workshop Four  
October 7, 2011  
8:30 am – 4:00 pm

[http://waterinstitute.ufl.edu/workshops\\_panels/PWSU-CIWG.html](http://waterinstitute.ufl.edu/workshops_panels/PWSU-CIWG.html)



# Public Water Supply Utilities Climate Impacts Working Group Timeline



# Workshop One (Sept 2010):

Understanding Challenges, Needs and What We Can do Together



1) Address uncertainties of climate impacts at relevant time scales

2) Access science and technology

3) Improve communication for informed decision-making

**“..... Utilities need information they can act on.”** Workshop participant

# Workshop Two (Jan 2011):

## Connections? What Science is out there? Visioning our Future



**Need:** relevant climate information for utilities

**Mission :** Improve effectiveness of water utilities to meet challenges presented by climate change and variability

**Goals:** Influence the development of research to produce actionable information, develop climate scenarios, avoid duplication of other groups

### **Actions, Products and Outputs:**

- Identify Florida Utility research needs
- Communication Plan
- Collaborative research projects
- Data Sharing
- Recommendations for Utility operations, research, policy
- Improved rainfall prediction tools seasonal and mid term
- Advancement in GCC model pr
- Network and Outreach
- Form research coalitions
- Generate \$
- Disseminate findings



### **TASK GROUPS FORMED**

1. RESEARCH AGENDA
2. SCIENCE WORKSHOPS
3. Leveraging whitepaper SUS/FAU/FCI

*“The ultimate focus needs to be on a product utilities can use and rely on, not simply an academic/scientific exercise”*  
Workshop participant



# Workshop Three (May 2011):

Science and Practice, Utility Research Agenda, Refining “our group”

## Science Workshop Participants' PROJECT Summaries

Evaluation of Climate Predictions  
for Florida

Hydrologic Applications of  
Climate Data in Florida

Some key concerns

**Fidelity of Models and  
Uncertainty;**

**Data Standards and Sharing  
Vulnerability and Risk:  
Implications:**

## Utility Research Agenda

temperature, rainfall,  
storms/hurricanes,  
sea level rise, and carbon  
emissions.

utility needs, available  
tools, research needs,  
current research projects

## Outreach

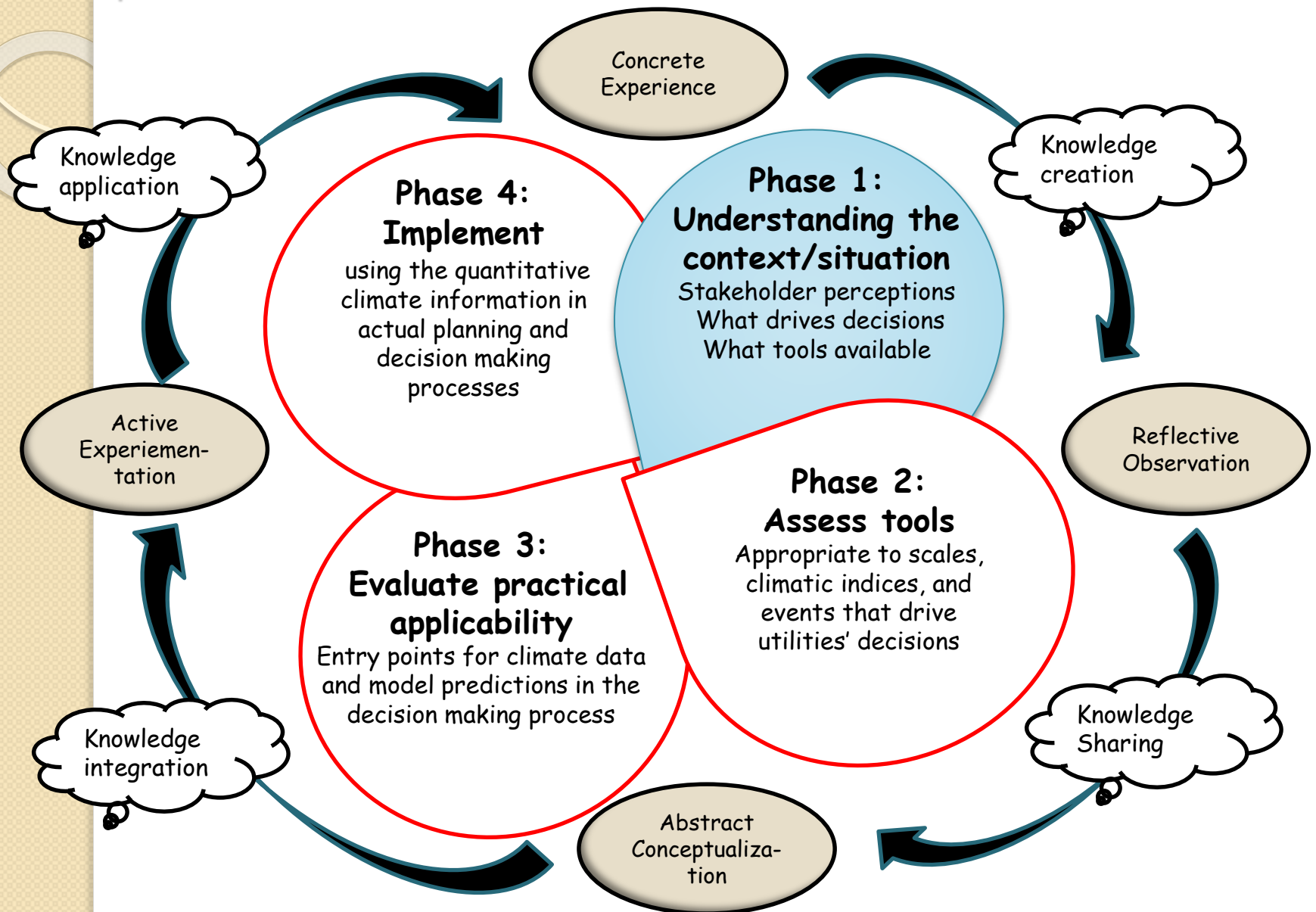
Explore and suggest  
mechanisms to share  
—our group with  
others including smaller  
utilities

PUBLIC WATER SUPPLY UTILITIES-CLIMATE IMPACT WORKING GROUP  
UTILITY RESEARCH AGENDA  
May - 2011

CLIMATE AREAS	UTILITY NEEDS	AVAILABLE TOOLS	RESEARCH NEED	CURRENT RESEARCH PROJECT
Temperature Impacts				
Rainfall Impacts				
Storms/ Hurricanes				
Sea Level Rise				
Carbon Emissions				

“There a need to compare  
methods. No one model will fill all  
needs. Using suites of models will  
be needed to address specific  
interests/needs.” Workshop  
participant

# Florida Public Water Utilities Climate Impacts Working Group Conceptual Framework





# THE TIMES

Participant UPDATES

# Workshop Four: Pending Actions

- 1) Utility Relevant Research Agenda
- 2) Outreach
- 3) Statement of Collaboration
- 4) SUS update
- 5) New Name?