

# Session 6: Science to Action

- A look back at FloridaWCA since it started in 2010
- Activity - Looking forward

Workshop #8  
February 27, 2013  
Orlando, Florida  
<http://FloridaWCA.org>



# **GOAL**

...increase the relevance and use of climate change and variability data and tools

# **SUCCESS**

...use of quantitative climate information in actual planning and decision making processes

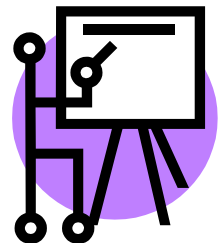
# September 2010-collaboration

## What can we do together?\*

- ✓ Provide a common base for communication and information
- ✓ Address issues of relevance to future decisions
- ✓ Address different management/planning time horizons
- ✓ Share in the development of tools, decision strategies and planning strategies
- ✓ Leverage funding opportunities
- ✓ Encourage institutional buy-in for participation
- ✓ Create an environment for collaboration

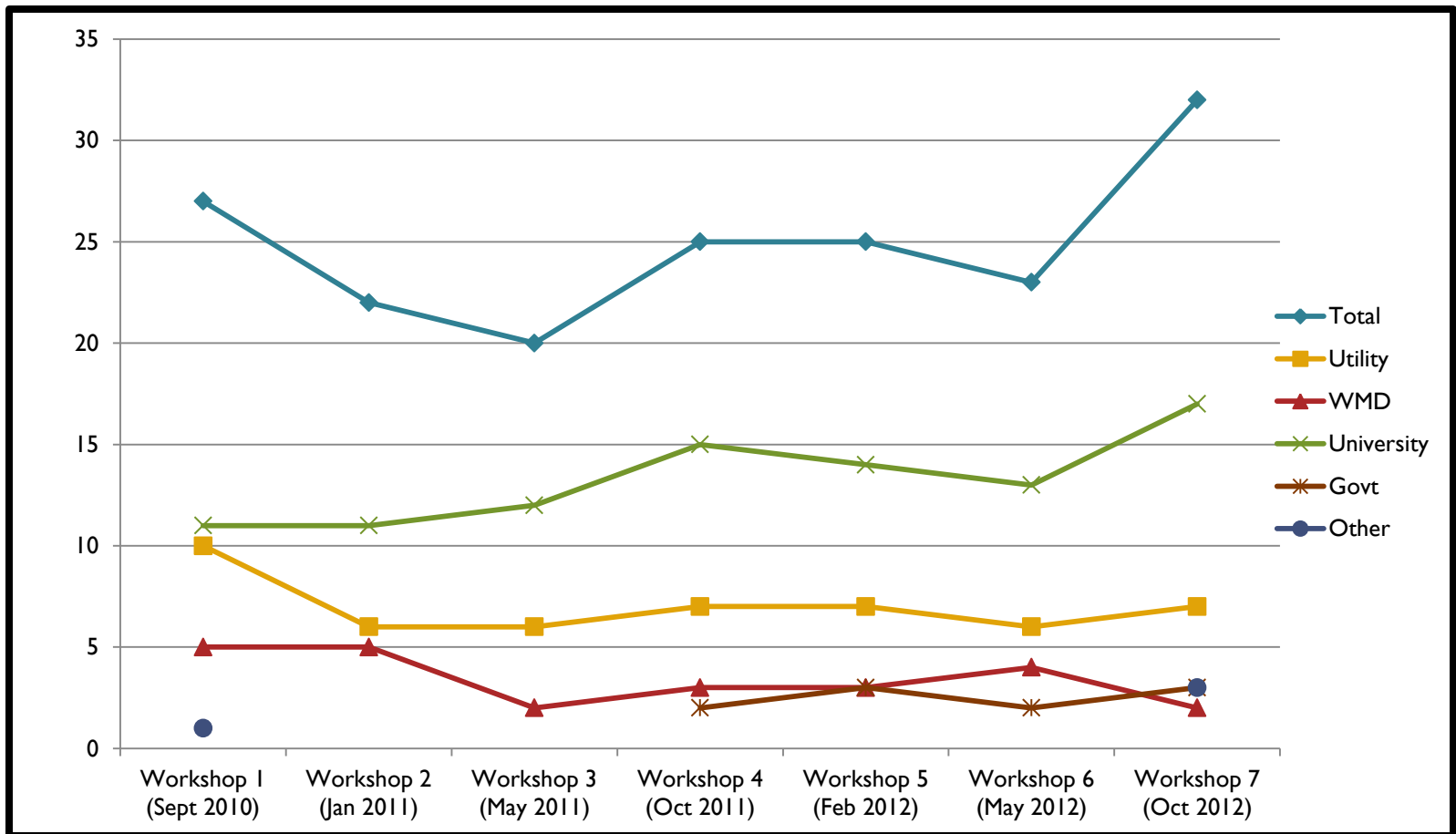
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Results of activity in Workshop #1-September 2010



# PARTICIPATION

from PWSU-CWIG to FloridaWCA



# Where Climate Science and Water Supply Planning meet!



# Who are the users of climate science?

# What climate science is available?

# What are the opportunities for climate science to inform water supply planning?

# What are the risks of using climate science?

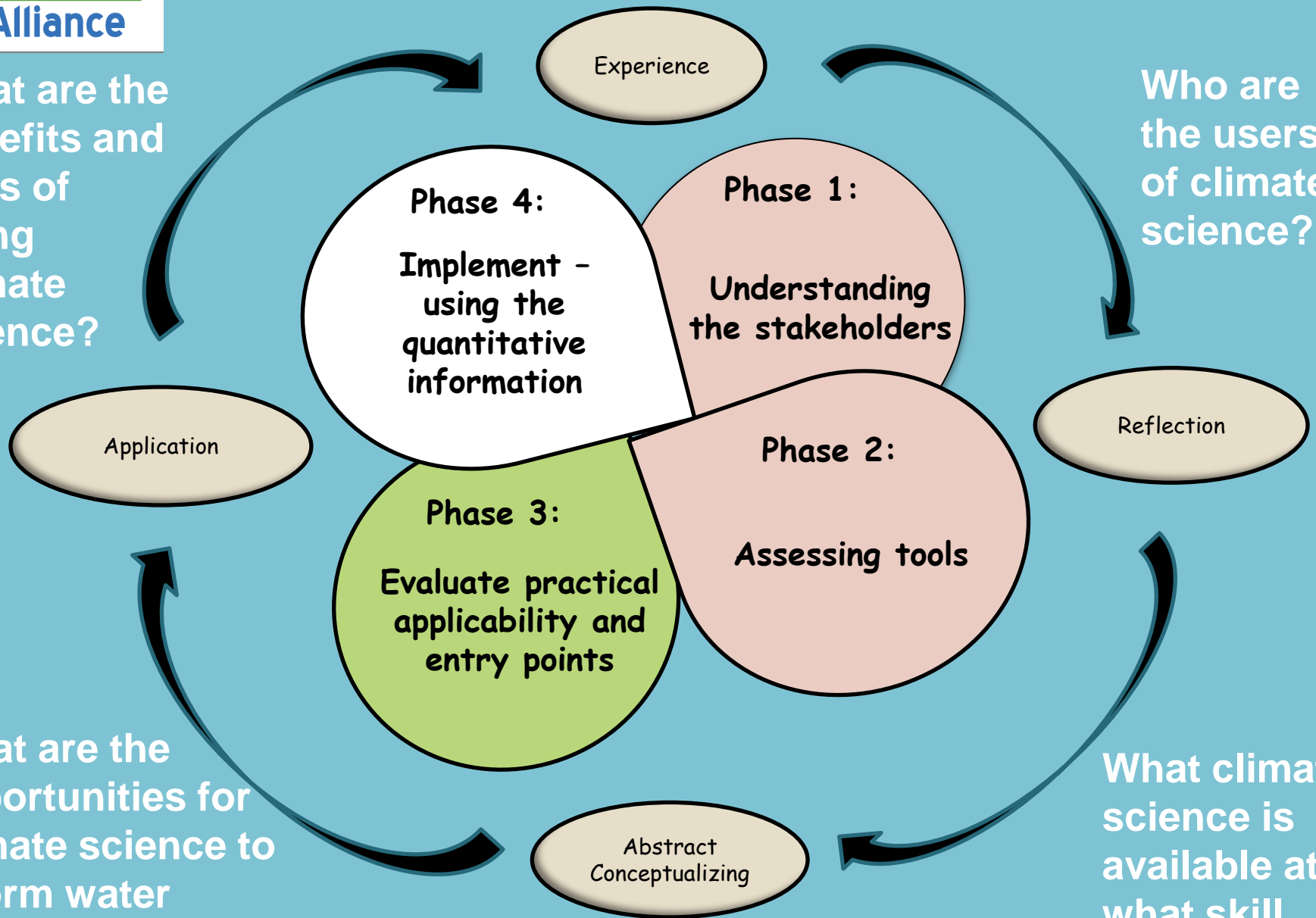
# Working Group Conceptual Framework

What are the benefits and risks of using climate science?

Who are the users of climate science?

What are the opportunities for climate science to inform water supply planning?

What climate science is available at what skill level?



# Science to Action - Needs \*

## ☐ Predictions and projections of TEMPERATURE AND RAINFALL

- ☐ operations (3-12 months)
- ☐ permitting (20 years)
- ☐ capital planning (20-50 years).

## ☐ Impacts and Projections of SEA LEVEL RISE over time with probabilities

## ☐ Projections of DEMAND based on demographics, socioeconomics, etc.



# Science to Action – factors preventing use \*

- ☐ Lack of knowledge about the tools
- ☐ Uncertainty and lack of confidence in reliability of the tools
- ☐ Possible bias in the tools (incomplete story; “exaggeration of impacts”);
- ☐ Being sure they will “bring in real science.”





# Science to Action - status

In Workshop 2 – January 2010

- **Scenario/Situation:** It is 2 years from today's date and you have, outrageously enough, created the PWSU-CIWG that you most wanted to create, and achieved the things you most desired. Now it is your job, as a team, to describe the GROUP as if you are able to see it, realistically, around you at this present moment.

Table 1: Origin, Goals and Impacts (Measures of Success)

Table 2: Focus and Actions

Table 3: Products and Outputs

Table 4: Partners, Participants ,People, - Modes of Operation

**discussion results.....**

Group 1: (Goals and Impacts)  <i>Develop strong mission statement and strategic plan)</i>	Group 2: (Focus and Actions)	Group 3: (Products and Outputs)	Group 4: (People, Participants, Partners)	Group 4: (Modes of Operation)
● Network for dissemination	◆ Synthesize and disseminate national research pertinent to Florida Water Resources and Demand	◆ 2 year Climate Science and Impacts update. Unbiased, actionable, short (1-12 months) and midterm (10-50 years)	● Identification and engagement of partners, people and participants and Donors	● Developing a structure (steering committee, staff, roles and responsibilities)
◆ White paper on research baselines	■ Form and facilitate research coalitions to fill gaps in research pertinent to Florida	■ Improved rainfall prediction tools for Florida (North, Central, and South) at seasonal (1-12mo.) and Midterm (10-50yrs.) Include sub seasonal?	● Define level of commitment of people, participants, and partners and donors	● Secure funding (seed money, fiscal agent agreement)
■ Influence research priorities of those doing relevant research, funding relevant research and posing research questions.	● Disseminate research findings to Florida Water Utilities.	● ● Communication Plan to include website and data sharing	● Identify possible beneficiaries and possible benefits (resilient water supply)	● Communication (meetings, website, conference calls, publications...)
Key to symbols: ● External Communication/Engagement (● internal group communication and networking) ◆ Synthesizing status of current climate science and impact relevant to utilities in Florida ■ Specific Research <i>and Tools</i>				



## Results of activity in Workshop #2 – January 2011

# Science to Action - status

- **Anticipated Products and Outputs included**
- 2 year Climate Science and Impacts update. Unbiased, actionable, short (1-12 months) and midterm (10-50 years)
- Improved rainfall prediction tools for Florida (North, Central, and South) at seasonal (1-12mo.) and Midterm (10-50yrs.) Include sub seasonal?
- Communication Plan to include website and data sharing

# Science to Action - status

- **Scenario/Situation:** It is **NOW** and you it is your job, as a team, to describe the FloridaWCA progress to date on its anticipated PRODUCTS AND OUTPUTS:
  1. 2 year Climate Science and Impacts update
  2. Improved rainfall prediction tools for Florida (North, Central, and South) at seasonal (1-12mo.) and Midterm (10-50yrs.)
  3. Communication Plan to include website and data sharing

**Task:** Outline a report to share a) details of progress and b) recommendations for further action.