



*Florida Water and Climate Alliance (FWCA) increasing the relevance of climate science data and tools for water resource management, planning and supply operations in Florida.*

## **FloridaWCA Workshop Agenda**

### **Wednesday, November 16, 2016**

Hosted by **Peace River Manasota Regional Water Supply Authority**  
at the Peace River Facility 8998 SW County Road 769 (aka Kings Highway) Arcadia, FL, 34269

**Workshop Goal:** Provide an environment for stakeholder-scientist exchange of current research and tools to address climate variability and change issues. Focus on topics that may help inform scientists' research that would result in an actionable science of use to practitioners.

#### **Workshop Objectives**

1. Consider demographic, social and economic vulnerabilities in a changing environment and relevance to water supply planning.
2. Explore critical issues that may impact the built environment & water supply that we should be thinking about, understand the types of questions, assumptions and concerns and inform the type of research that may contribute to addressing those issues.

#### **Workshop Agenda:**

8:45 – 9:00 Check-in, Networking, Refreshments

9:00 – 9:30 **Session 1: Welcome (Kevin Morris) introductions and the FWCA Stakeholder-scientist collaborative network (Lisette Staal)**

9:30 – 10:45 **Session 2: Water Supply Planning in the context of a changing environment (assessing demographic, social and economic vulnerabilities)** This session will raise awareness of the need for assessing the potential impact of the fast changing demographics on Water Supply services. In particular focusing substantively on the potential implications to Utilities and explore opportunities to inform planning tools in the face of climate variability and extreme events. **(Kevin Morris)**

#### **(60 minutes) Presentations**

- **Kevin Morris**, Science and Technology Officer, Peace River Manasota Regional Water Supply Authority
- **Vasu Misra**, Associate Professor of Meteorology, Center for Ocean-Atmospheric Prediction Studies(COAPS), Florida State University
- **Alicia Betancourt**, Monroe County Extension Director, University of Florida/IFAS
- Other efforts

#### **(15 minutes) Discussion**

10:45 – 11:00 **BREAK**

11:00 – 12:00 (Field Trip) **Water Supply Storage Elements at the Peace River Facility** –  
1 Hour Tour Description: The Peace River Manasota Regional Water Supply Authority has 21 Aquifer Storage and Recovery (ASR) wells, two raw water off-stream surface water storage reservoirs and a 120 million gallon per day pump station on the Peace River. For this 1 hour field trip that will cover approximately 3 miles, the group will see the river diversion pump station, the reservoirs and the ASR system which combine for a robust and resilient water supply for 300,000 people. Transportation will be personal vehicles, no hard hats are required.

12:00 – 1:00 LUNCH

1:00– 2:15 **Session 3: Making change in a changing climate – water supply, demand, and resiliency** - Effective adaptation is based on a solid understanding of vulnerabilities to climate change, linking local knowledge to scientific evidence on societal risks.  
**(Tracy Irani)**

**(20 minutes) Presentation**

**Tracy Irani**, Professor and Department Chair, Family Youth and Community Science, University of Florida/IFAS. “Adaptation as policy, not politics: Scientific communication and framing an agenda for climate change”

**(55 minutes) Activity and Discussion**

Focused on understanding vulnerabilities and what can be done on an individual, organizational and state level to address challenges of water supply, demand and access.

2:15– 2:30 ***BREAK***

2:30 – 3:30 **Session 4: Models, Data, Planning tools, and Decision Science tools in Local and Regional Efforts** What is currently being done with models, planning tools, decision science tools in Florida to address climate change, variability and vulnerability?  
**(Tirusew Asefa)**

**(60 minutes) Presentations**

- **Jason Evans**, Assistant Professor of Environmental Science and Studies, Stetson University, Adaptation in a Sea of Uncertainty: Sea-Level Rise Planning at the Local Level
- **Virginia Walsh**, Senior Professional Geologist, Chief Hydrogeology Section, Miami Dade Water and Sewer Department, Sea Level Rise and Climate Change: Water Modeling Advances and Capital Resilience Planning, Miami-Dade Water and Sewer Department, Miami-Dade County, FL
- **Kevin Morris**, Science and Technology Officer, Peace River Manasota Regional Water Supply Authority, Challenges of Modeling Climate Change and Sea Level Rise Impacts on the Peace River

3:30 – 4:00 **Session 6: So What? And next steps for FloridaWCA?** **(Lisette/Steering Committee)**