



Florida Water and Climate Alliance (FloridaWCA) seeks to increase the relevance of climate science data and tools for water resource management, planning and supply operations in Florida.

FloridaWCA Workshop Agenda

Thursday, April 5, 2018

Hosted by: **Center for Ocean-Atmospheric Prediction Studies (COAPS)**

The Florida State University

Location: 2000 Levy Avenue, Room 255, Tallahassee, FL 32310

Directions: <http://coaps.fsu.edu/visitor-information>.

Overall Workshop Goal: Provide an environment for stakeholder-scientist exchange of current research and tools to address climate variability and change issues with a focus on increasing local relevancy to utilities and water resource managers. Explore topics that that may help inform scientists' research that would result in an actionable science of use to practitioners.

Specific Workshop Objectives:

1. Research - Share relevant research regarding Seasonal Scale Forecasts and Long term Climate Projections and how they might be useful to local planning and operations.
2. Collaboration - Explore research interests and potential synergies for proposals including the nexus of food, energy and water and Earth science applications for water resources.
3. Community - Consider ways to continue to address FloridaWCA participants' interests based on shared strengths and resources of the represented institutions?

Workshop Agenda:

9:45–10:00 Check-in, Networking

10:00–10:30 Session 1: Welcome, Introductions and FloridaWCA “Refresher”

10:30–12:00 Session 2: RESEARCH - FloridaWCA relevant RESEARCH - (Seasonal Scale Forecasts, Long term Climate Scenarios)

Seasonal Scale Forecasts (presentations)

- Chris Martinez, Associate Professor, Agricultural and Biological Engineering, University of Florida, “**Seasonal scale forecasts for water management: What has been accomplished and what still needs to be done?**”
- David Zierden, State Climatologist and Associate in Research, COAPS, “**Florida Winter Climate Review and Spring/Summer Outlook**”

Long term Climate Scenarios (presentations)

- Vasu Misra, Associate Professor of Meteorology, Department of Earth, Ocean and Atmospheric Science, “**Impact of urbanization and air-sea interactions on long term climate variations over Florida**”
- Seungwoo Jason Chang, Ph.D., Post-Doctoral Associate, Water Institute, University of Florida, “**How what we know about climate projections translates into hydrology projections and water resource decisions for Tampa Bay Water.**”

12:00–12:30 Lunch

12:30 – 1:00 Session 3: NETWORK “Learning from Each Other” – Opportunity to share your current activities

1:00 – 3:30 Session 4: Explore new possibilities --- PROPOSALS

(1:00 – 2:15) **NSF INFEWS Proposal** - Food, Energy Water

- Why this proposal and overview of RFP (Vasu Misra, COAPS/FSU)
- NSF perspective – (Wendy Graham, UF Water Institute)
- Explore some key topic areas together -
 - ✓ Demand for water for food production-
 - ✓ Demand for water for energy production and consumption
 - ✓ Water supply, consumption, and pricing
 - ✓ Climate as external stressor to food, energy, water nexus
 - ✓ Social Context/Population/Economy as external stressor to food, energy, water nexus Summary - 5 minutes

(2:15 – 3:30) **NASA ROSES 2018 proposal** – Earth Science Applications: Water Resources

- Why this proposal and overview of RFP (Tirusew Asefa, TBW)
- Idea generation, and discussion (Vasu Misra, COAPS)
- Develop concept and next steps

3:30 –4:30 COMMUNITY and PARTNERSHIP - How can we continue to address the participants’ interests based on shared strengths and resources of the represented institutions?