

FloridaWCA WORKSHOP

April 5, 2018

Hosted by
COAPS/ FSU
Tallahassee, Florida

Participating Partners:

Gainesville Regional Utilities
Miami-Dade Water and Sewer
Department
Orlando Utilities Commission
Palm Beach County Water Utilities
Peace River Manasota Regional
Water Supply Authority
Tampa Bay Water
Saint Johns River WMD
South Florida WMD
Southwest Florida SWFWMD
University of Florida Water Institute
Florida Climate Institute
Florida State University, COAPS
UF/IFAS Center for Public Issues
Education

GOALS

- ❑ Increasing regional relevance and usability of climate science, data, models, and tools for water suppliers and resource managers
- ❑ Use of climate science data/tools to support decision-making for water resource management, planning and supply operations in Florida

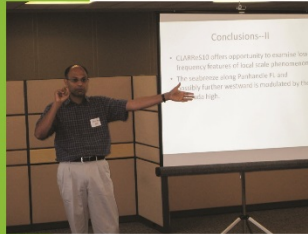
FLORIDA

Water & Climate Alliance

Stakeholder-Scientist Partnership

Increasing the regional relevance of climate science and models/tools for use in water resource management, planning and supply operations in Florida.

FloridaWCA.org



Projects

Collaborative Research and Application

Workshops

Exploring climate science, communication, operations, and policy

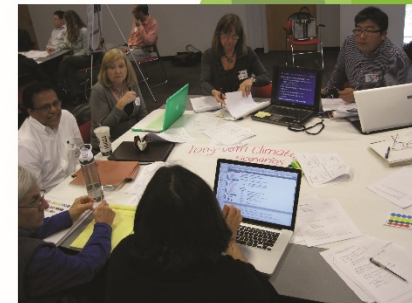
Website

On-line access - Florida relevant

FloridaWCA.org

Science informing action

Informing water resource planning and operations in the face of uncertainties, risks and challenges of a changing climate.



Today's Agenda

10:00–10:30 Session 1: Welcome, Introductions, FloridaWCA

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

12:00–12:30 Lunch

12:30 – 1:00 Session 3: NETWORK “Learning from Each Other”

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

3:30 –4:30 COMMUNITY and PARTNERSHIP

Remember when

2010

Draw a picture that depicts you at that time
in the context of “water and climate”

2018

Draw a picture that depicts you at that time
in the context of “water and climate”

Remember When?

Public Water Supply Utilities
Climate Impact Working Group
Workshop 1- 2010

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

**“WMD need to understand
Utilities and improved
hydrologic models/data.”**

**“Academics need help
understanding problem, time
and space scales**



Why we are together....

Need to address uncertainty in climate predictions

Need to know about the tools

Need to develop decision strategies that can benefit from appropriate tools

FloridaWCA as a group

- FloridaWCA is a good example of a scientist-stakeholder partnership
 - A self directed group with goals of collaborating, informing and educating
 - Organizational reputation of such organizations is based on publication productivity and citations
- Conducted a study to look at research impacts
 - Results showed high academic productivity, strong citational record, often citing other members of the organization
 - This enhances citation counts and creates a body of literature around the organization's interest areas

Innovations at the Nexus of Food, Energy and Water Systems (INFEWS) NSF 18-545

- ✓ 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

Social context/population/economy as external stressors for water, energy, food (WEF) nexus

- Population growth in urban sectors is a stressor that could negatively impact WEF resources and affect resource decision-making
- Economic consequences/trade offs could create the potential for winners and losers
- Social context is based on knowledge gaps and the need to conduct effective outreach and education to locally address global challenges
- WEF nexus is a systems based approach to understanding linked decision contexts and resources
 - Public sector-ownership and governance
 - Private sector – operations and profits
 - Civic sector – social equity, risk reduction

NASA ROSES

Earth Science Applications: Water Resources

[NNH18ZDA001N-WATER](#)



Session 5

Steering Committee

Tirusew Asefa (TBW) Co-chair
Chris Martinez (UF) Co-chair
Kevin Morris (PRMRWSA),
Rob Teegarden (OUC),
Ed Carter (SJRWMD),
Vasu Misra (FSU),
Tracy Irani (UF)

Activities

- Workshops
- Website
- Webinars,
- Outreach and Communication
- Proposals/Research
- Sustainability

Community and Partnership

- ✓ Does Florida WCA serve a purpose that is not being addressed through other venues and would it be useful to continue to interact
- ✓ What should that look like?
- ✓ What can be done to address the needs based on shared strengths and resources of the represented institutions.

- Why are we are still engaged ?
 - What is next?
- 