



# FLORIDA WATER & CLIMATE ALLIANCE WEBINAR

"Water Quality and Climate Change Issues"

November 13, 2020  
12:00pm - 2:00pm

**UF** UNIVERSITY of  
**FLORIDA**  
Water Institute

**FLORIDA** Water &  
Climate  
Alliance

**FIU** Institute of  
Environment  
FLORIDA INTERNATIONAL UNIVERSITY



# Agenda

- Introduction to the Florida Water & Climate Alliance  
Carolina Maran, P.E., PhD, District Resiliency Officer, South Florida Water Management District
- Project Updates: Integrating NASA Earth Systems Data into Decision-Making Tools of Member Utilities of the FloridaWCA  
Vasu Misra, PhD, Professor of Meteorology, Center for Ocean-Atmospheric Prediction Studies, Florida State University
- Panel Session: Water Quality & Climate Change Issues – From Biscayne to Tampa Bay
  - Biscayne Bay Task Force Report Overview: (& panel moderator) Irela Bagué, President & CEO, Bagué Group; Past Chair, Biscayne Bay Task Force
  - Tiffany Troxler, PhD, Research Assistant Professor; Associate Director of Science, Sea Level Solutions Center, Florida International University
  - Envisioning a Greater Biscayne Bay Watershed Program: Todd Crawl, PhD, Professor; Director, Institute of Environment; Florida International University
  - Phytoplankton dynamics and harmful algal blooms in South Florida: Tom Frankovich, PhD, Research Assistant Professor, Florida International University
  - Maintaining the Recovery of Tampa Bay: Ed Sherwood, Executive Director, Tampa Bay Estuary Program
- Q & A with audience and panel discussion

# Logistics

- Webinar is being recorded
- Can be helpful to use “speaker view” (top right corner)
- Send your questions via chat to the host; they will get read during Q & A
- Send technical issues to Paloma (co-host) in chat
- Send any announcements you have (new publications, webinars of interest, proposed legislation, etc.) in the chat – we will share
- Can receive Continuing Education Units for PE license



# ANNOUNCEMENTS

Publication in Press by the FloridaWCA:

**Authors:** Vasubandhu Misra, Tracy Irani, Lisette Staal, Kevin Morris, Tirusew Asefa, Chris Martinez, Wendy Graham

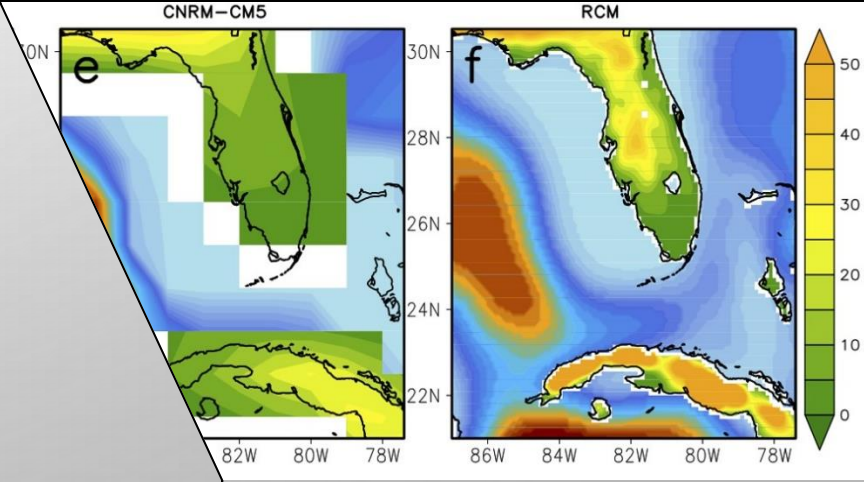
**Title:** The Florida Water and Climate Alliance (FloridaWCA):  
Developing A Stakeholder-scientist Partnership to Create Actionable  
Science in Climate Adaptation and Water Resource Management

**Journal:** *BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY*





A stakeholder-scientist partnership committed to the co-development of locally relevant and actionable climate science to support informed decision-making in water resource management, planning and supply operations in Florida





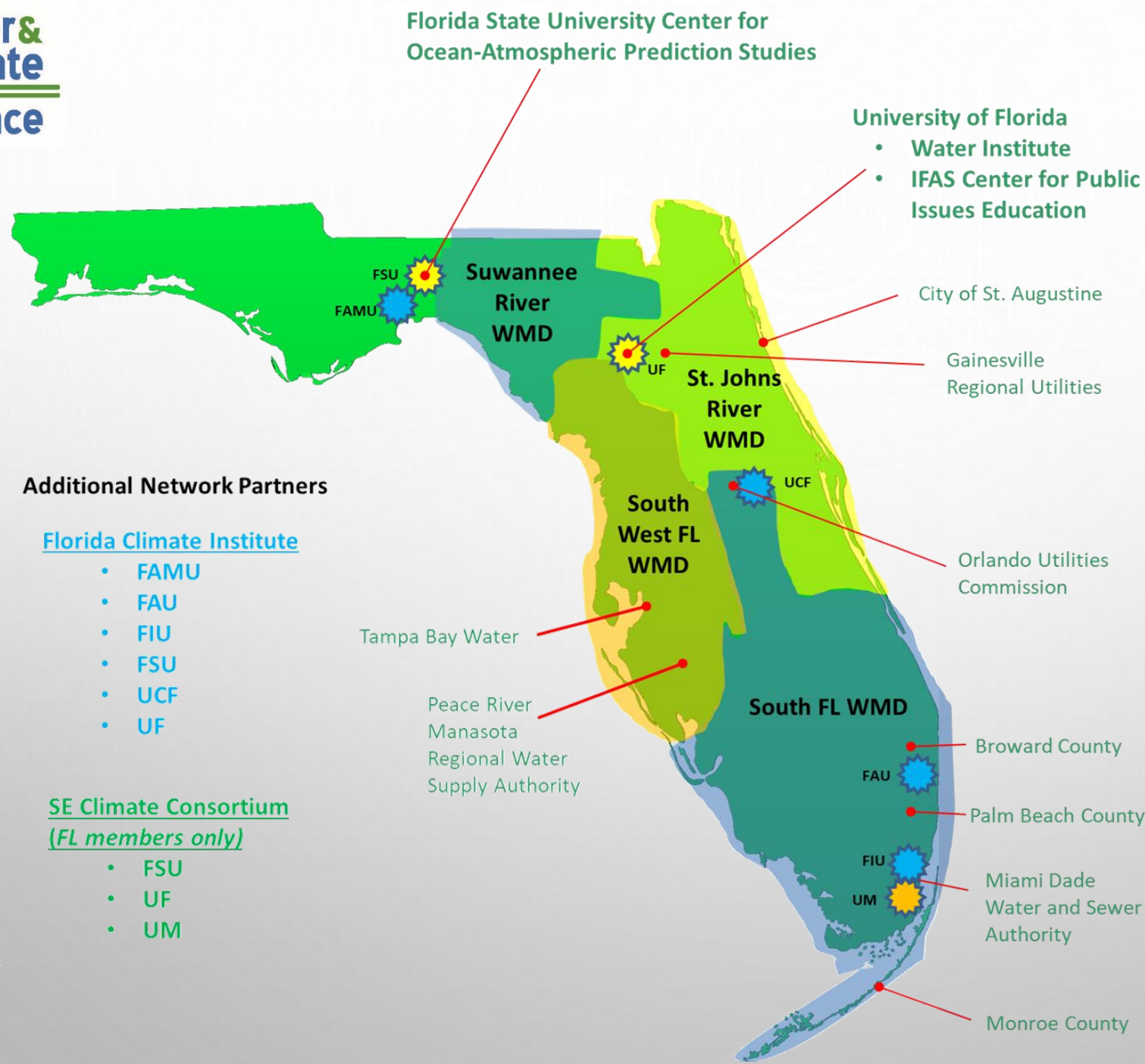
## **Our Vision:**

A climate-resilient water sector in Florida.

## **Our Mission:**

Foster partnerships to co-develop and share actionable climate science, data and decision support that promotes sustainability in the water sector through applied research, learning and outreach.





Additional Network Partners

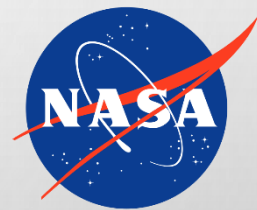
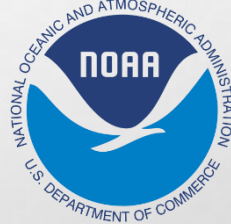
Florida Climate Institute

- FAMU
- FAU
- FIU
- FSU
- UCF
- UF

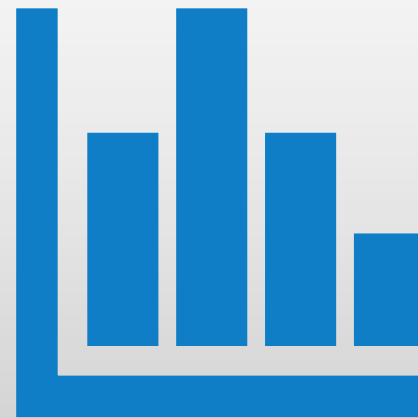
SE Climate Consortium  
*(FL members only)*

- FSU
- UF
- UM

# Members and Supporters of the Florida Water & Climate Alliance



**POLL TIME!**

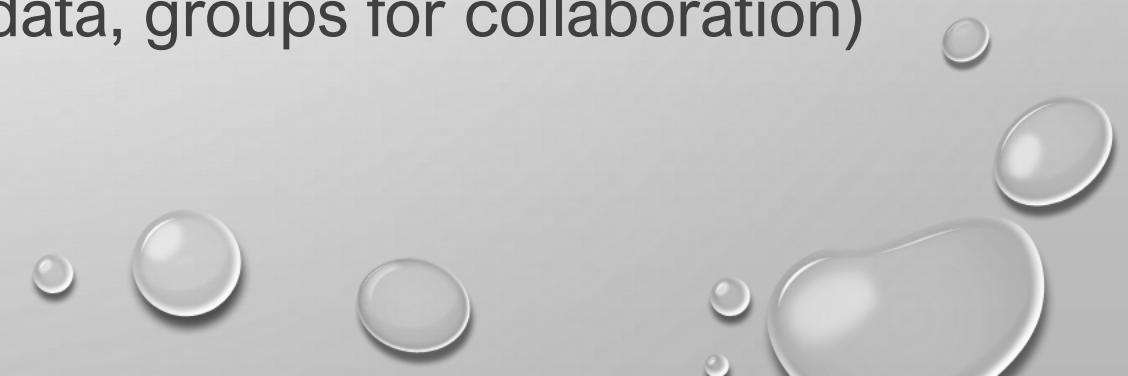






# **9/25 Webinar on Water Utility Risk & Resilience**

## **Breakout Group Results**

1. What are some of the barriers to incorporating climate resilience in FL water sector? What information or resources are you lacking?
  2. What are some successes you've either participated in or seen/heard of?
  3. What resources (websites, articles, data, groups for collaboration) do you know of that are available
- 





# SUCCESSSES

- Collaboration across different levels of government
- Regional climate change/resiliency compacts & coalitions
- City/County level resiliency efforts
- Restoration efforts
- State/National/International level examples
- Examples of successful methods/approaches

# RESOURCES

- District and State co-funding
- Groups for collaboration or as a resource
  - Southeast Florida Climate Compact
  - FloridaWCA
  - EPA programs on water resilience strategies
  - Water Research Foundation
  - Water Management Districts
  - Climate Central
  - City/county mitigation strategies and plans
  - Universities
- Web tools, data, maps, projections
  - NOAA: National Centers for Environmental Information; Office for Coastal Management; Center for Operational Oceanographic Products
  - National Weather Service
  - USGS water level and salinity data
  - Climate Explorer
  - US Climate Resilience Toolkit
  - SE Regional Climate Center
  - USEPA; FEMA; NASA; US ACE

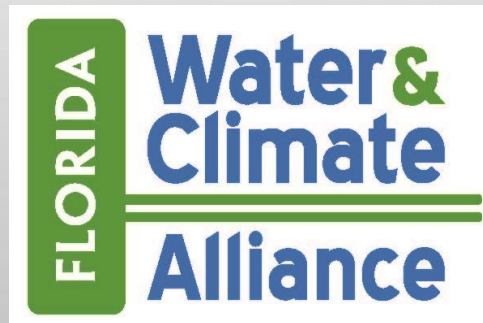


# **9/25 Webinar on Water Utility Risk & Resilience**

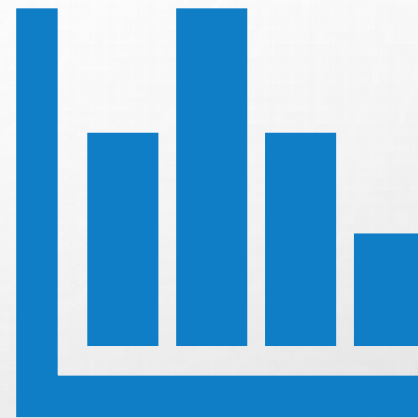
## **Breakout Group Results**

Full Summary available at:

<http://www.floridawca.org/activities/workshops/>



**POLL TIME!**





To receive continuing education units,  
send your name and PE license number to:

**KSCHLATTER@UFL.EDU**

For more information about the FloridaWCA visit:

**WWW.FLORIDAWCA.ORG**

