

Session 1

The Florida WCA Learning Network

March 30, 2016

OUC Pershing Facility in Orlando, FL

Kevin Morris

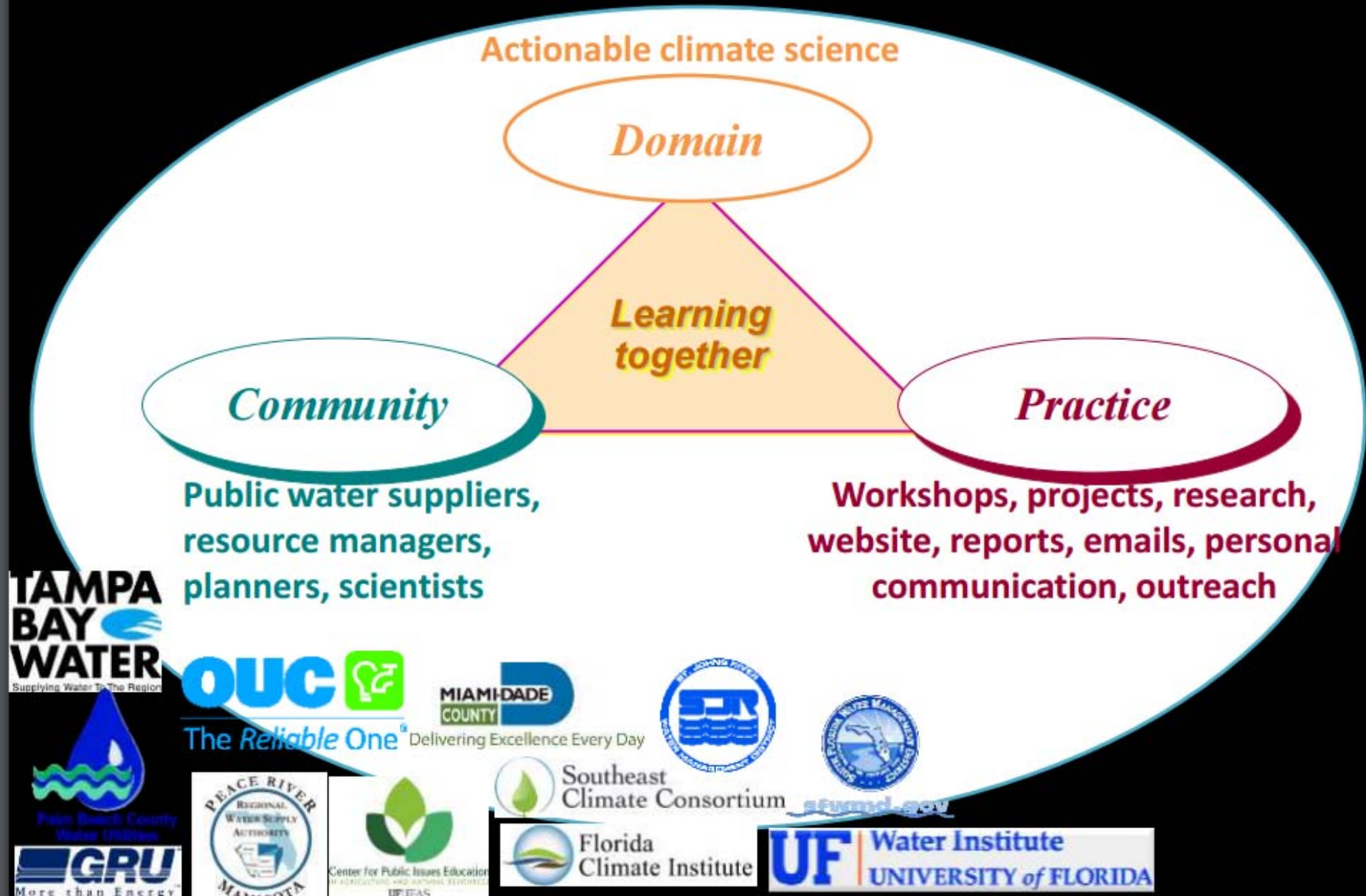
What is the FWCA?



Floridawca.org

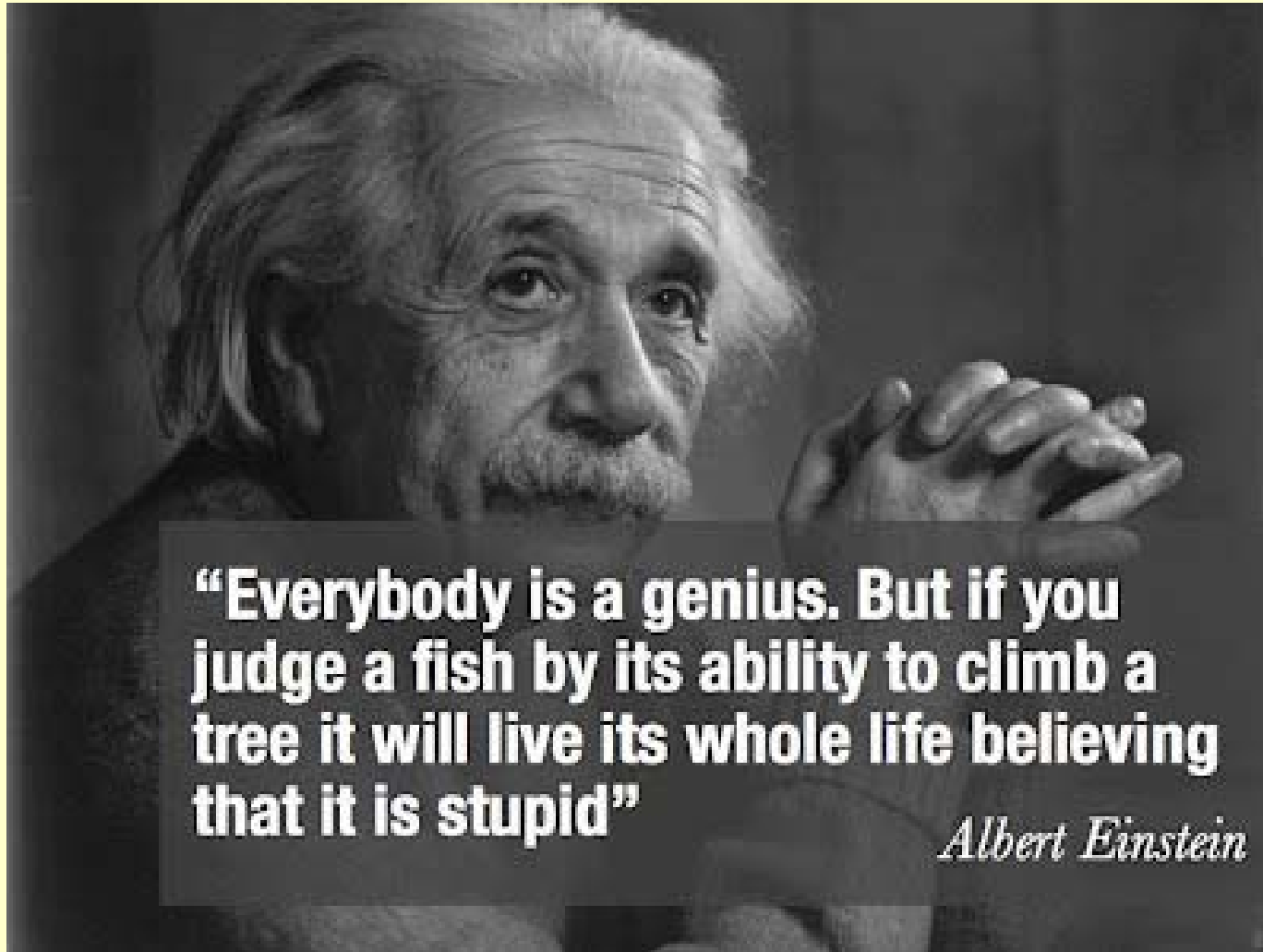
A climate learning network that convenes scientists
and practitioners in iterative knowledge
co-production

A climate learning network




Based on: Wenger, Etienne, Communities of Practice presentation at UF, May 2009

Diversity of Thought & Approaches = Strength and Resiliency



WUCA – Similar Concept



Water Utility Climate Alliance

Search WUCA Online

ABOUT US	ACTIONS	PUBLICATIONS	PRESS ROOM	CONTACT
Member Agencies	Strategic Plan	Work Plan		

About Us


In January 2007, the San Francisco Public Utilities Commission hosted the first national Water Utility Climate Change Summit, which was attended by more than 200 water and wastewater utility executives, government officials, climate change experts and environmental leaders. The purpose of the gathering was to help participants to better understand the impacts of climate change on water-related infrastructure and water resource supplies.

Shortly after the summit, the Water Utility Climate Alliance (WUCA) was formed to provide leadership and collaboration on climate change issues affecting the country's water agencies. Comprised of ten of the nation's largest water providers, WUCA members supply drinking water for more than 43 million people throughout the United States.

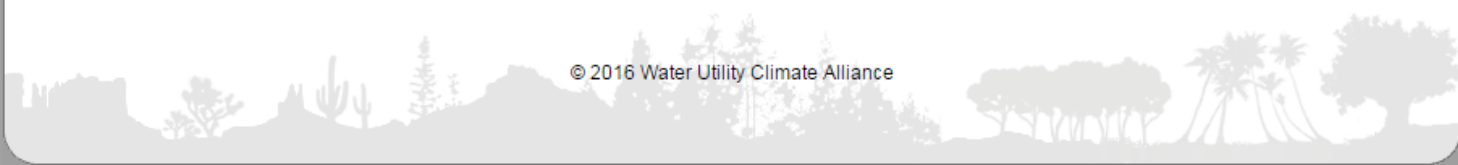
WUCA [members](#) are: Central Arizona Project, Denver Water, Metropolitan Water District of Southern California, New York City Department of Environmental Protection, Portland Water Bureau, San Diego County Water Authority, San Francisco Public Utilities Commission, Seattle Public Utilities, Southern Nevada Water Authority and Tampa Bay Water.

Mission


WUCA provides leadership in assessing and adapting to the potential effects of climate change through collaborative action. We seek to enhance the usefulness of climate science for the adaptation community and improve water management decision-making in the face of climate uncertainty.



The Lower Crystal Springs Reservoir in San Mateo County, Calif. has become an ecological and recreational oasis thanks to the City of San Francisco's stewardship.



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













CONTACT


Member Agencies

Strategic Plan

Work Plan

Member Agencies

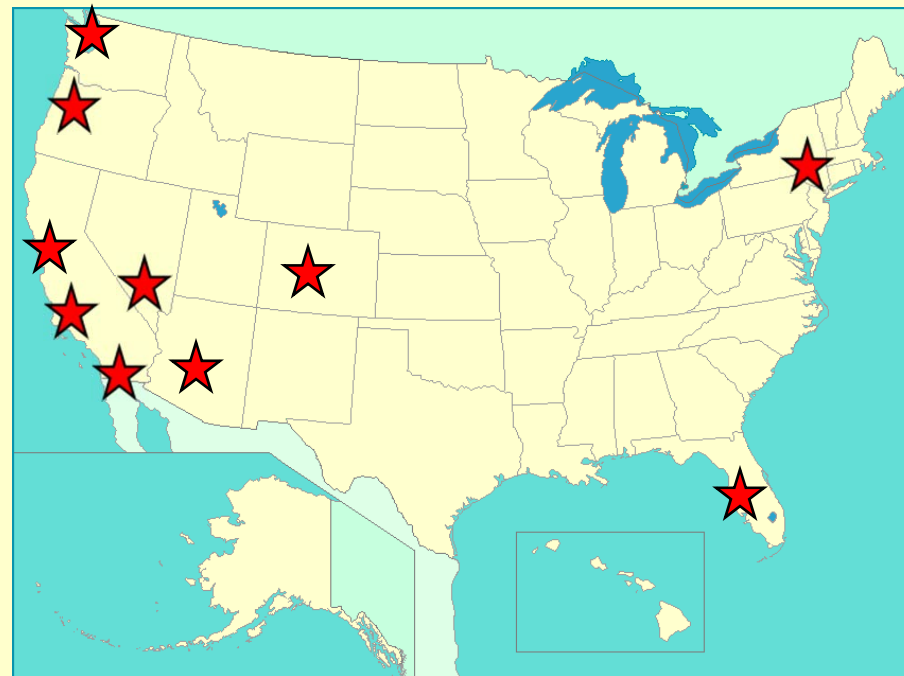
Agency	Contact	Position
 Central Arizona Project 	Theodore C. Cooke	Interim General Manager
 Denver Water 	James Lochhead	CEO/Manager
 Metropolitan Water District of Southern California 	Jeff Kightlinger	General Manager
 New York City Department of Environmental Protection 	Emily Lloyd	Commissioner
 Portland Water Bureau 	David Shaff	Administrator
 San Diego County Water Authority 	Maureen Stapleton	General Manager
 San Francisco Public Utilities Commission 	Harlan Kelly, Jr.	General Manager
 Seattle Public Utilities 	Ray Hoffman	Director
 Southern Nevada Water Authority 	John Entsminger	General Manager/WUCA Executive Vice Chair
 Tampa Bay Water 	Matt Jordan	General Manager/ WUCA Executive Chair

 = External Link

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Representing service population of about 43 million people

A Broad Cross Section of 10 Major Metropolitan Water Providers

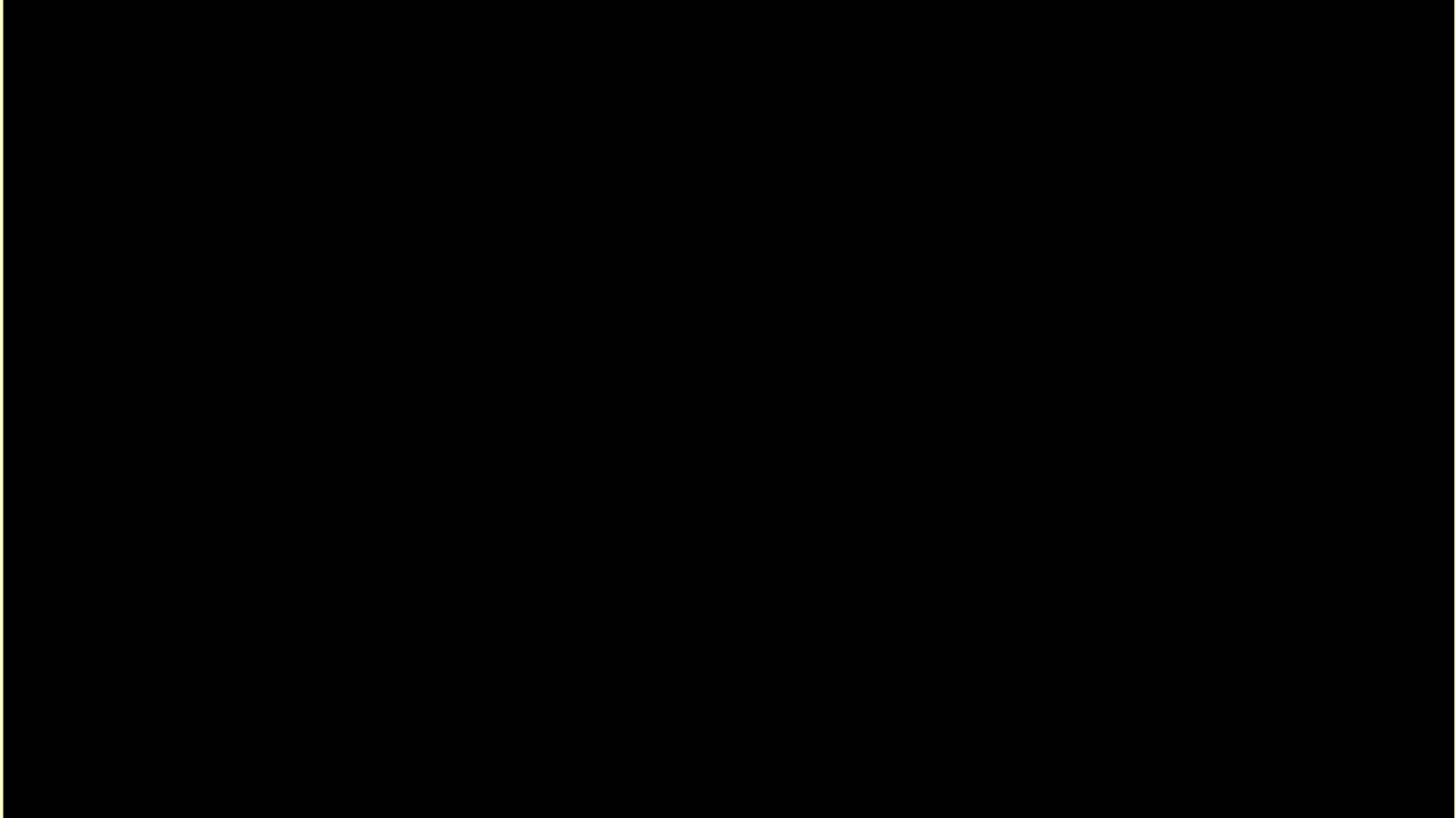


How Do We Compare?

- Similarities between WUCA and Florida WCA?
 - Potable Water Providers
 - Regionally Diverse
- Dissimilarities – Who is Missing from the Table in WUCA?
 - Water Supply Regulatory Interests
 - Climate Research Science Community
 - Social Scientists and Communication Experts

2 short video clips
to highlight the
importance of
diversity in creating
unique value

Imagine a Band with 14 Instruments
but they are all the Same



Now Imagine a Band with just 4
Different Instruments



Levi Barcourt & The New York Jazz Quartet
MoonDance

- So Am I saying We Make Sweet Music Together?
- Yes I Am!

Other Key Success Factors for the Florida WCA

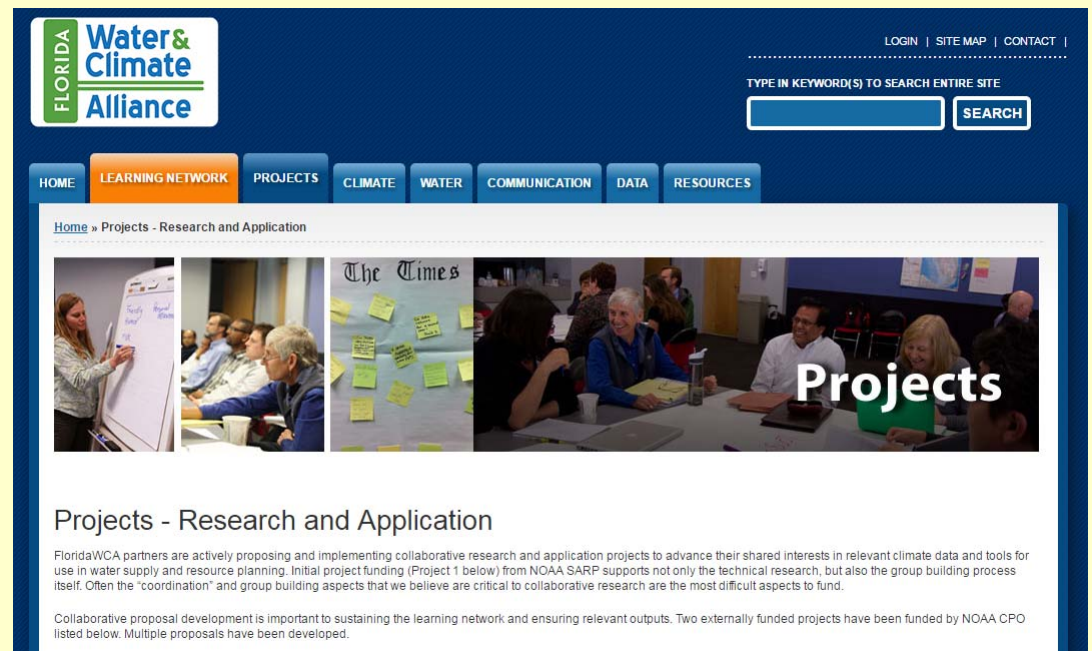
- We have a Narrow geographical focus – the State of Florida
 - This Gives Us Better Consistency with Respect to:
 - Water supply and growth challenges
 - Laws/Rules (compared with 6 western/2 eastern states)
 - Political landscape
 - Societal and Cultural Normalities
 - Better chances for Florida WCA partners to collaborate face-to-face
 - Ancillary opportunities to network at other seminars/conferences

**“IF EVERYONE’S THINKING
ALIKE, THEN SOMEONE
ISN’T THINKING.”**

— GEORGE S. PATTON

Some of Our Accomplishments

- Project 1: Collaborative Development of Public Water Supply Utility Relevant Climate Information for Improved Operations and Planning
- Project 2: Use of seasonal climate forecasts to minimize short-term operational risks for water supply and ecosystem restoration



- Individual Utility Projects Incorporating Climate Change/Variability and Sea Level Rise in Strategic Adaptation Management Planning
- Information Exchange = Organizational and Individual Growth and Development

[Home](#) » Learning Network



Learning Network

What we are interested in, who we are, and what we do together are all equal aspects of building the FloridaWCA learning network and producing viable, relevant outcomes of mutual interest to the members. Bringing together multiple stakeholders with different perspectives and organizational contexts requires engagement, program and logistical coordination, and mechanisms for feedback. Our encounters must be more than a collection of meetings!

The FloridaWCA employs an iterative process guided by key social learning and educational foundations (E. Wenger's "Communities of Practice" and D. Kolb's Experiential Learning.) We are engaging in a deliberate set of workshops and activities to create learning opportunities for 1) understanding the stakeholders' 2) assessing climate tools, 3) evaluating applicability of tool to water resource and supply operations planning, and 4) actual implementation and using the information for making decisions.

Below you can find information on FloridaWCA organization and formation, including documentation of workshops and other activities. Click on links below.

- [Workshops](#) - Agendas, Reports, and Presentations from each workshop are available here
- [Documents](#) - Documents relating to and facilitating the learning network's establishment, development and growth

Contact Information

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Photo credit to [UF-IFAS Information and Communication Services](#) and [NOAA Office of Oceanic and Atmospheric Research](#)



Workshops

Title	Document Type	Upload File
K_Workshop #11, April 10, 2013 Tags: Report , Workshops , Working Group	Report	Agenda Presentation: Workshop Introduction - Staal, University of Florida Water Institute Presentation: Bridging Science and Practice to Improve Public Utility Water Supply - Bartels, Southeast Climate Consortium Presentation: Coastal Utilities' Response to Saltwater Intrusion - Frank, University of Florida Presentation: NASA Proposal Design - Misra, Florida State University Presentation: Florida Climate Institute Overview and Goals - Jones, Florida Climate Institute Workshop 11 Report
L_Workshop #12, November 5, 2014 Tags: Report , Workshops , Working Group	Report	Presentation: Workshop Introduction Part 1 - Staal, University of Florida Water Institute Presentation: Workshop Introduction Part 2 - Staal, University of Florida Water Institute Presentation: Strategic Planning Update - Morris, Peace River Manasota Regional Water Supply Authority Presentation: Regional Water Supply Planning Integrating Climate Considerations - Powell, Broward County Presentation: Long Term Climate Projections: Working Group Update - Graham, University of Florida Water Institute Presentation: Ways of Working: Organizational and Governance Structures - Irani, University of Florida Presentation: Regional Climate Adaptation Technical Working Group - Carnahan, Florida Sea Grant Presentation: Seeing Beyond Sea Level Rise: Visualizing Local Climate Change in Tampa Bay - Zarger, University of South Florida Workshop 12 Report
M_Workshop #13, September 18, 2015 Tags: Report , Workshops , Working Group	Report	Agenda Presentation: Welcome and Introductions, Where We Are, What's New? - Staal, University of Florida Water Institute Presentation: Stakeholder-based Climate Research Programs in South Florida - Sukop, Florida International University Presentation: Demand Forecast at Tampa Bay Water and How it is Being Used for Long-term Supply Planning - Asefa, Tampa Bay Water Presentation: Stakeholder-based Research Activities: An Overview of Ongoing NSF Projects - Bolson, University of Pennsylvania Presentation: NSF Coupled Natural and Human Systems Potential Proposal - Misra, Florida State University Presentation: The Human System - Coultts Presentation: Thresholds of the Florida Urban Water System in a Future World: Economics Research Component - Borisova, UF Workshop 13 Report
N_Workshop #14, March 30, 2016 Tags: Report , Workshops , Working Group	Report	Agenda



Documents

Title	Document Type	Upload File
Bartels, W. 2010. Working Group Monitoring and Feedback- Research Summary Report. University of Florida, Florida Climate Institute, Workshop Handout. Tags: Report , Documents , Working Group	Report	Working Group Monitoring and Feedback- Research Summary of Report
Bolson, J. et al. Feb 2014. Early lessons learned from the Florida Water Climate Alliance on the integration of climate information into water resource decision making Tags: Case Studies , Engagement , Presentation , Communication , Documents , Perceptions , Risk , Communication , Working Group , Decision-making , Learning Network	Presentation	Presented at the 2014 University of Florida Water Institute Symposium
Draft Declaration of Collaboration. May 2011. Tags: Documents , Working Document , Working Group	Working Document	Draft Declaration of Collaboration
FloridaWCA at UF WI Symposium 2014 Tags: Climate , Water , Documents , Working Document , Working Group	Working Document	FloridaWCA at the 2014 University of Florida Water Institute Symposium
FloridaWCA Research Agenda - Working Document Tags: Documents , Working Document , Working Group , Learning Network	Working Document	FloridaWCA Utility Research Agenda-update (Oct 2012)
FloridaWCA Research Agenda Description Tags: Documents , Working Document , Working Group	Working Document	Research Agenda Description. Florida and Water Climate Alliance.pdf
FloridaWCA Utility Perspective- common questions Tags: Documents , Working Document , Working Group	Working Document	Florida and Water Climate Alliance- Understanding the Utility Perspective.pdf
Graham, W. & Staal, L. September 2010. Synthesis of Preliminary Stakeholder Phone Meetings. UF Water Institute Report. Tags: Report , Documents , Working Group	Report	Synthesis of Preliminary Stakeholder Phone Meetings
Inoram, K. 2012. Sea Level Rise websites and documents Tags: Climate , Documents , Working Document , Sea Level Rise/Change , Working Group , Resources	Working Document	Sea Level Rise websites and documents
Keener, V. September 2010. A Review of Regional and Global Water Utilities Use of Climate Information. University of Florida, Southeast Climate Consortium, Workshop Handout. Tags: Case Studies , Climate , Report , Water , Documents , Working Group	Report	Workshop Handout



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Challenges

- Funding for Research
 - Grants Infuse Capital, Energy and Hone Focus
 - Between Grants, Activity Slows
- Funding for Maintenance Activities
 - Workshops
 - Website
- Recognition that Climate Concerns are Legitimate