

**Recommendations for Everglades Restoration Under a
Future Climate Scenario Technical Meeting**
Sponsored by: USGS, Center for Environmental Studies & Florida Sea Grant
April 28 & 29, 2014
Florida Atlantic University Boca Raton Campus

Challenge: How can we support the process of Everglades Restoration through an adaptive management process that incorporates the current scientific knowledge of climate-related impacts into the restoration process?

Goal: The goal of this meeting is to follow up on the February 2013 Ecology Technical Meeting that identified the potential impacts of sea level rise, temperature change, and changes in evapotranspiration and rainfall parameters for a group of chosen topics. During the next two days, the groups below will work to decide if the current state of knowledge is sufficient to allow us to recommend actions ('no regrets strategies') to begin to address current and future potential impacts. If needed, we will identify information gaps and prioritize future research needs.

Thank you for lending your expertise to this important effort and for communicating the key topics that you feel are essential to the successful restoration of the Everglades under a scenario that includes the dynamics of the changing climate.

Breakout Groups:

- A. Management Framework for Landscape Systems – (Martha Nungesser & Leonard Pearlstein)
- B. Shifts and Challenges to Vegetative Communities – (John Volin & Arnold van der Valk)
- C. Managing Wildlife for Sustainability in a Changing Climate – (Joel Trexler & Kristen Hart)
- D. Managing Water Quality and Quantity in the Northern Everglades – (Karl Havens)
- E. Managing the Everglades by Influencing Biogeochemical Processes – (Sue Newman & Dave Rudnick)
- F. Water Management Response to Hydrology & Sea Level Rise – (Glenn Landers & Jayantha Obeysekera)
- G. Management Considerations for Coastal Systems – (Marguerite Koch-Rose & Chris Kelble)

Planning Committee:

- Nick Aumen, Greater Everglades Priority Ecosystems Science, USGS
- Leonard Berry, Director, Center for Environmental Studies, FAU
- Karl E. Havens, Florida Sea Grant, UF
- Glenn Landers, U.S. Army Corps of Engineers, Jacksonville District
- Sue Newman, Senior Scientific Section Lead, SFWMD
- Reed Noss, FL Institute for Conservation Science, UCF
- Martha Nungesser, Senior Environmental Scientist, SFWMD
- Leonard Pearlstein, National Park Service, US Department of the Interior
- Jayantha Obeysekera, Hydrologic & Environmental Systems Modeling, SFWMD
- Stephanie Romanach, U.S. Geological Survey
- Dave Rudnick, Regional Coordinator, Everglades National Park
- Steve Traxler, Senior Biologist, US Fish and Wildlife Service
- Joel Trexler, Professor of Biological Sciences, FIU
- John C. Volin, Professor of Ecology, University of Connecticut
- Russell Weeks, Engineer, U.S. Army Corps of Engineers

AGENDA

Monday April 28, 2014

Day 1

- 8:00 AM Continental Breakfast Available in Main Room (Live Oak Pavilion – Student Union)
- 9:00 – 9:45 **Opening Remarks, Overview & Big Picture**
Nick Aumen, USGS: Welcome & Meeting Goals
Len Berry, CES: Foundation of Previous Meetings: *How Did We Get Here?*
Jayantha Obeysekera, SFWMD: Current State of Climate Scenarios
Steve Traxler, USFWS: Landscape Conservation & Climate Change Scenarios for FL
- 9:45 – 10:00 **Group & Group Leader Introductions**
Perran Ross, Rocky Point Consulting, LLC
- 10:00 - 10:30 **Concept & Working Group Instructions**
- 10:30 - 12:30 **First Breakout Session**
Breakout group discussions - each group will be choosing one objective to report back during the plenary session after lunch.
- 12:30 – 1:30 **Lunch**
- 1:30 – 2:45 **Plenary Session – Group Reports & General Discussion**
All participants meet back in large room.
- 2:45 – 3:00 **Break**
- 3:00 – 4:30 **Second Breakout Session**
Goals & Instructions: Perran Ross
Development of Draft Recommended Actions
- 4:30 – 5:30 **Plenary Session – Short Reports & Progress**
Review of Process, Any Changes
Groups Encouraged to Conduct Intersessional Work in the Evening

Facilitator & Leadership Team: Debrief, Attempt Progress Summary, Realign as Needed.

Tuesday April 29, 2014

Day 2

- 8:00 AM Continental Breakfast Available in Main Room (Live Oak Pavilion – Student Union)
- 8:30 – 8:45 **Welcome & Housekeeping**
Perran Ross
- 8:45 – 9:45 **Plenary Session – Groups Report Back on Draft Actions from Day 1**
Flip charts to visualize for whole group
Discussion to align and harmonize proposed actions
- 9:45 – 11:45 **Third Breakout Session – Refine & Redraft Actions & Add Knowledge Gaps**
 - Ensure that actions are specific, measurable, time defined and amenable to adaptive analysis and modification (this includes filling information gaps)
 - Test actions against adaptive criteria - feasibility, cost, practicality
 - Engaging practical manager/management considerations
- 11:45 – 12:30 **Plenary Session – Begin Report Out for First Two Groups**

12:30 – 1:30 **Lunch**
1:30 **Plenary Session – Continue Group Report Outs (Remaining Groups)**
Break food & refreshments will be available in the large room at 3:00
3:00 **Wrap Up Plenary Session**
Discussion
Summary & Conclusions
Information on Next Steps
4:00 **Thank You & Meeting Close**
4:30 **Leadership Team, Recorders & Facilitator Debrief**

www.ces.fau.edu/climate_change/everglades-recommendations-2014

This meeting was sponsored and hosted by:
United States Geological Survey
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Florida Atlantic University



For More Information Please Contact:
Mary Beth Hartman
Conference & Outreach Coordinator
Florida Center for Environmental Studies
5353 Parkside Drive SR 231, Jupiter FL 33458
mhartman@fau.edu 561.799.8558

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