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2nd Workshop on Coastal Risk and Resilience

Broward County Governmental Center

Ft. Lauderdale Florida

AGENDA

October 26

Field Trip: Led by Florida Atlantic University

Dr. Jayantha Obeysekera, P.E (Director, HESM at SFWMD) – Overview of Water Resource Management in South Florida

Dr. Obeysekera is the Chief Modeler for Hydrologic & Environmental Systems Modeling at the South Florida Water Management District (SFWMD). He has been instrumental in restoration efforts for the Kissimmee River and Florida Everglades.

7:15 AM Check in at 601 N Fort Lauderdale Beach Blvd, The Atlantic Hotel and Spa

7:30 Board bus for Sea Level Rise Expedition

8:00 Tidal Flooding and sea-wall construction in Las Olas Isles

8:50 Stranahan House

9:50 Anne Kolb Nature Reserve and Hollywood

11:30 S-13 Control Structure on the C-11 Canal

12:30 PM A1A Erosion & Rebuild in front of Atlantic Hotel & Spa

1:00 Return to Atlantic Hotel & Spa

October 27

9:00 AM Registration in Broward County Governmental Center Lobby

9:30 Kick-off presentation- Dr. Jennifer Jurado (Director, Broward County Environmental Planning and Community Resilience Division) - "Climate Resiliency Challenges and Planning in Broward County."

10:00 Challenge 1: Roles of Universities in Resilience Planning and Emergency Response/Preparation

- 15 min introduction by Miguel Ascarrunz (Director, Broward County Emergency Management

Division)

- 5 min guidance to properly address challenge

10:20 Group Discussion- Moderated by Dr. Don Wright (Director Coastal and Environmental Research, SURA)

- What should universities (e.g., university hospitals) do to enhance resilience?

- How can we promote better collaboration among modelers and cyber infrastructure sharing?

- How does university culture need to evolve to support collaboration?

-How can academia interact more effectively with local and state government?

Noon Catered lunch with speaker Dr. Chris T. Emrich (Associate Research Professor and Associate Director for the Hazards and Vulnerability Research Institute, University of South Carolina) – “Social Vulnerability and Community Disaster Resilience in the Southeast United States”

1:00 pm Challenge 2: Community Resilience in Dania Beach

- 10 min introduction by Dr. Samantha Danchuk, P.E. (Assistant Director, Broward County Environmental Planning and Community Resilience Division)

- 5 min guidance (3 general questions to start discussion), share list of data resources

- Identify the most critical threats to human health and safety
- Identify critical needs and strategies for addressing problems
- Modeling strategies for decision-making tool (RESES grant- DASEES)
- Integrating resilience by taking advantage of economic opportunities

1:15 Challenge 3: Allocating resources/ redistributing functions across community (property transfer, light rail)

- 10 min introduction by Public Administrator

- Is high ground connected to community? Service level of adjacent transportation grid?
- Capacity of shelters/ facilities to serve multiple purposes?
- How do you assess costs/ benefits of relocation?

1:30 Challenge 4: Water Resource Contamination (linking hydrodynamic and hydrologic models)

- 10 min introduction by Dr. Dorothy Sifuentes (Supervisory Hydrologist, U.S. Geological Survey)

1:45 Breakout Groups

- Presentation of maps and diagrams

- Data Review, analysis, discussion

3:15 Break

3:30 Group rapporteurs prepare plenary presentations, TBD (powerpoint template to be provided)

- 4:00 Group Plenary Reports (15 minutes each including discussion)
- 5:00 Closing Comments – Dr. Christopher D’Elia (SURA Coastal and Environmental Research Committee Chair and Dean of the School of the Coast and Environment, Louisiana State University) – “The Three Pillars of Energy.”
- 5:15 Poster Session
- 6:30 Return to hotel

Wednesday, October 28

7:30 AM Panelist Breakfast

9:30 Opening Remarks / Introductions
Broward County Commissioner Beam Furr

10:00 Panel Presentations (10 min. each)

Mr. Jeff Kivett, Director Operations, Engineering & Construction Division,
South Florida Water Management District

Mr. Kivett manages around-the-clock water control operations and monitoring of the regional water management system and coordination with local entities. He also oversees the inspection and refurbishment of existing facilities, along with the design and construction of new projects and infrastructure.

Dr. Dorothy F. Sifuentes, Supervisory Hydrologist, USGS Caribbean-Florida Water Science Center.

Dr. Sifuentes has conducted extensive research on water quality, especially on saltwater intrusion and determination of the inland extent of saltwater in Broward County.

Ms. Cate Fox-Lent, USACE Engineer Research and Development Center

Ms. Fox-Lent provides risk assessment and decision-making guidance to a wide range of federal and Non-federal agencies. She provides regular assistance to Army Corps of Engineers’ divisions and districts as well as services to federal agencies and state and local government.

Dr. Monica T. Farris, Director of Center for Hazards Assessment, Response and Technology from University of New Orleans. (Panel Moderator)

Dr. Farris’ applied research examines local repetitive flood loss data to assist communities in the identification of appropriate mitigation strategies and education and outreach focusing on disaster resilience.



- 11:30 Panel Discussion
- Noon No Host Lunch
- 1:00 PM Feedback on workshop and panel
- 2:30 Adjourn