



2022 SOUTHWEST FLORIDA CLIMATE SUMMIT

SESSION ONE – CLIMATE IMPACTING WATER AND WETLANDS

Regional Climate Changes

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| 9:00 – 9:05 | Introductory Comments from Event Host |
| 9:05 – 9:10 | KEYNOTE: Senator Marco Rubio, US Senate Climate Caucus |
| 9:10 – 9:25 | <i>Climate change is here</i> -- David Zierden, State Climatologist |
| 9:25 – 9:30 | Q&A |

Water and Wetland Impacts

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| 9:30 – 9:45 | <i>Evaluating the Effects of Rising Sea Levels on Coastal Freshwater Resources and Ecosystems</i> – Scott Prinos, Supervisory Hydrologist, US Geological Survey |
| 9:45 – 9:50 | Q&A |
| 9:50 – 10:05 | <i>Steamy Days Ahead</i> – Dr. Jayantha Obeysekera, Director of Sea Level Solutions Center, Florida International University |
| 10:05 – 10:10 | Q&A |
| 10:10 – 10:25 | <i>Climate and Land Use Change Impacts on Stormwater Generation in South Florida</i> – Dr. Omar Abdul-Aziz, Associate Professor of Civil and Environmental Engineering, West Virginia University |
| 10:25 – 10:30 | Q&A |
| 10:30 – 11:00 | BREAK |

More Resilient Wetlands and Water Resources

- 11:00 – 11:15 ***Seagrass restoration helps mitigate ocean acidification*** – Christopher Moore, Oceanographer, US Geological Survey
- 11:15 – 11:20 Q&A
- 11:20 – 11:35 ***Moving Water to Restore Rivers and Wetlands*** – Nicole Iadevaia, Research & Outreach Manager, Coastal & Heartland National Estuary Partnership
- 11:35 – 11:40 Q&A
- 11:40 – 11:55 ***Fighting Water with Water: South Florida's Approach to Monitoring and Reducing Saltwater Intrusion Potential*** – Mark Elsner, P.E., Water Supply Bureau Chief, South Florida Water Management District
- 11:55 – 12:00 Q&A
- 12:00 – 2:00 LUNCH BREAK**

SESSION TWO – CLIMATE IMPACTING LAND AND WILDLIFE

Land and Wildlife Impacts

- 2:00 – 2:10 Opening Comments
- 2:10 – 2:20 **KEYNOTE:** US Department of Interior Assistant Secretary for Fish and Wildlife and Parks Shannon Estenoz
- 2:20 – 2:35 ***Mangroves and other Tropical Plants Marching North*** – Dr. Michael Osland, Research Ecologist with the Wetland and Aquatic Research Center, US Geological Survey
- 2:35 – 2:40 Q&A
- 2:40 – 2:55 ***Sea Level Rise and Future Environmental Trends on Big Pine Key, FL*** – Lori Miller, Refuge Ecologist/Climate Scientist, US Fish & Wildlife Service
- 2:55 – 3:00 Q&A
- 3:00 – 3:30 BREAK**

More Resilient Wildlife and Wildlife Habitats

- 3:30 – 3:45 ***Climate Change and Wildlife: Threats and Opportunities*** – Beth Stys, Regional Climate Adaptation Ecologist, Southeast Science Applications and Migratory Birds Program of the US Fish & Wildlife Service
- 3:45 – 3:50 Q&A
- 3:50 – 4:05 ***Implications of Changing Climate Conditions for Birds in Florida*** – Dr. Kara Lefevre, Ornithologist and Department Chair / Associate Professor of The Water School, Florida Gulf Coast University
- 4:05 – 4:10 Q&A
- 4:10 – 4:25 ***How the Florida Wildlife Corridor is Essential to Wildlife Resiliency*** – Josh Daskin, Director of Conservation, Archbold Biological Station
- 4:25 – 4:30 Q&A
- 4:30 – 4:35 DAY 1 CLOSING REMARKS FROM HOST

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DAY TWO

SESSION THREE – CLIMATE IMPACTING COMMUNITIES

Opening Comments

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| 9:00 – 9:05 | Introductory Comments from Event Host |
| 9:05 – 9:20 | KEYNOTE: Florida Department of Agriculture and Consumer Services Commissioner of Agriculture Nikki Fried |
| 9:20 – 9:25 | KEYNOTE: Florida Chief Resiliency Officer Dr. Wesley Brooks |
| 9:25 – 9:40 | <i>Enhancing Resiliency with the Restoration of Florida’s Largest Wetland</i> – Dr. Carolina Maran, Chief Resiliency Officer, South Florida Water Management District |
| 9:40 – 9:45 | Q&A |
| 9:45 – 10:00 | <i>Floridians’ Changing Climate Views</i> – Dr. Colin Polsky, Director of Center of Environmental Studies, Florida Atlantic University |
| 10:00 – 10:05 | Q&A |
| 10:05 – 10:20 | <i>Climate Change and Social Vulnerability in the United States</i> – Jeremy Martinich, Climate Scientist, US EPA |
| 10:20 – 10:25 | Q&A |
| 10:25 – 10:50 | BREAK |

Food & Energy

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| 10:50 – 11:05 | <i>Florida’s Evolving Agriculture and Energy Sources</i> – Chris Pettit, Advisor to Florida Department of Agriculture and Consumer Services |
| 11:05 – 11:10 | Q&A |

Health

- 11:10 – 11:25 ***Impacts of Climate Change on Human Health*** – Claudia Brown, Health Scientist, Centers for Disease Control and Prevention
- 11:25 – 11:30 Q&A

People & Culture

- 11:30 – 11:45 ***Climate Change Impacts to Tribal Lands*** – Jill Horwitz, Climate Resiliency Officer, Seminole Tribe of Florida
- 11:45 – 11:50 Q&A
- 11:50 – 12:05 ***Climate Change Impacts to Historical, Cultural, and Archaeological Resources*** – Sara Ayers-Rigsby, Director, Southeast/Southwest Regions Florida Public Archaeological Network
- 12:05 – 12:10 Q&A
- 12:10 – 2:00 LUNCH BREAK**

SESSION FOUR – BUILDING MORE RESILIENT COMMUNITIES

Florida Communities Leading the Way Panel Discussion

- 2:00 – 2:05 Opening Comments
- 2:05 – 2:15 ***Local Government Resiliency Resources and Strategies*** – Erin Deady, Firm President, Erin Deady Law
- 2:15 – 2:25 ***Building A More Resilient Coastal City*** – Jim Murley, Chief Resiliency Officer, Miami Dade County
- 2:25 – 2:35 ***Protecting Vulnerable Populations from Extreme Heat*** – Jane Gilbert, Chief Heat Officer, Miami-Dade County
- 2:35 – 2:45 ***Lessons learned from the Southeast Florida Regional Climate Change Compact*** – Dr. Jennifer Jurado, Chief Resilience Officer, Broward County
- 2:45 – 3:00 PANEL Q&A
- 3:00 – 3:30 BREAK**

Local Resiliency Initiatives

- 3:30 – 3:45 ***Heartland Regional Resiliency Coalition*** – Pat Steed, Executive Director, Central Florida Regional Planning Council
- 3:45 – 3:50 Q&A
- 3:50 – 4:05 ***Southwest Florida Regional Resiliency Compact*** – Dr. Michael Savarese, Professor of Marine & Earth Sciences, Florida Gulf Coast University
- 4:05 – 4:10 Q&A
- 4:10 – 4:25 ***Central and South Florida System, Flood Risk Management Infrastructure Resiliency*** – Jason Engle, Chief of Water Resources Engineering Branch, U.S. Army Corps of Engineers
- 4:25 – 4:30 Q&A
- 4:30 – 4:35 ***Ways to Stay Informed and Engaged*** – Jennifer Hecker, Executive Director, Coastal & Heartland National Estuary Partnership