



2011 Southeast Regional Cooperative Ecosystems Studies Units Meeting St. Petersburg, Florida

Except as noted, all events are open to all participants

Monday, October 24

Participants travel to St. Petersburg Florida

Tuesday, October 25

Meeting Location: Fish and Wildlife Research Institute (FWRI), 100 8th Ave., SE, St. Petersburg, FL (approximately 3 block from Hilton)

10:00 am – Registration desk opens (FWRI Lobby) & poster set up begins
Posters available for review throughout the meeting

10:00 am to 12:00 noon – Federal manager's committee meeting(s)
FWRI, Conference Room A (Federal employees only)

1:00 – 1:30 Welcoming (FWRI Auditorium)
Moderators: Jim Sweeney, University of Georgia; Travis Doering, University of South Florida
Jacqueline Dixon, Dean, College of Marine Science, University of South Florida
Tom Fish, National Coordinator Cooperative Ecosystems Studies Units Network
Meeting Logistics - Travis Doering, University of South Florida

1:45 – 3:45 South Florida Caribbean CESU Business Meeting
(FWRI, Conference Room A)

1:45 – 3:45 Gulf Coast CESU Business Meeting
(FWRI, Conference Room B)

4:00 – 6:00 Southern Appalachian Mountains CESU Business Meeting
(FWRI, Conference Room A)

4:00 – 6:00 Piedmont South Atlantic Coast CESU Business Meeting
(FWRI, Conference Room B)

6:30 – 8:00 Evening Wine & Beer Reception
(USF College of Marine Sciences Rotunda)

Wednesday, October 26

8:30 – 10:00 Plenary Session (FWRI Auditorium)
Moderator: Todd Snelgrove, Texas A&M University

F. Buck Sutter, Fishery Management Officer, Southeast Regional Office,
NMFS/SR, NOAA

Paul Friday, Assistant Chief of Staff (A/C S) G5 Marine Corps Installations East

10:00 – 10:30 Break

10:30 – 12:00 Work performed in CESU projects (FWRI Auditorium) - Session 1
Moderator: Keith Belli, University of Tennessee

10:30 – 10:50 **How the CESU has enabled the USF College of Marine Science to Respond to Fisheries Needs**, William Hogarth, University of South Florida [Funded by NOAA]

10:50 – 11:10 **Collaboration among federal and state natural resource agencies helps define climate smart conservation**, Naomi Edelson, Bruce Stein, and Patty Glick, National Wildlife Federation [Funded by NOAA, FWS, USGS, NPS, USFS, ACE, DoD]

11:10 – 11:30 **Determining the Impacts of Human Activity on Oyster Reef Coverage in Mosquito Lagoon, Florida**, Stephanie Garvis, Paul Sacks and Linda Walters, University of Central Florida [Funded by NPS]

11:30 – 11:50 **Community Heritage Projects and Technology at Public Historic Sites**, Margaret Allsopp and Antoinette Jackson, University of South Florida [Funded by NPS]

12:00 – 1:30 Hosted Lunch

1:30 – 3:00 Work performed in CESU projects (FWRI Auditorium) - Session 2
Moderator: Peter Swart, University of Miami

1:30 – 1:50 **Status Assessment of *Arabis georgiana* Harper (Brassicaceae), the Georgia rockcress, in Alabama**, Alfred Schotz, Auburn University [Funded by FWS]

1:50 – 2:10 **Development of integrated management practices for the control of Chinese tallow following invasive species monitoring on Parris Island Depot**, Lauren Pile, Geoff Wang, and Patricia Layton, Clemson University [Funded by DoD - Marines]

2:10 – 2:30 **Forecasting climate change effects for endangered species in the southeastern United States: integrating human and natural systems response**, James Watling, University of Florida; Laura

Brandt, US Fish & Wildlife Service; Frank Mazzotti and Stephanie Romañach, US Geological Survey [Funded by FWS, NPS & USGS]

2:30 – 2:50 **Barrier Island Dynamics, Restoration and Endangered Beach Mice**, Deborah Miller, Mack Thetford, Lyn Branch, Elliot Wilkinson and Margo Stoddard, University of Florida [Funded by NPS]

3:00 – 3:30 Break

3:30 – 5:00 Work performed in CESU projects (FWRI Auditorium) - Session 3
Moderator: Jim Sweeney, University of Georgia

3:30 – 3:50 **Intro to Alliance for Integrated Spatial Technologies**, Travis Doering, University of South Florida

3:50 – 4:10 **Improving Management, Interpretation, and Research Using Advanced Terrestrial LiDAR, GPS, and other Advanced Spatial Survey Technologies on CESU Projects**, Lori Collins and Travis Doering, University of South Florida [Funded by NPS]

4:10 – 4:30 **Moths of Congaree National Park**, Joe Culin, Clemson University, Brian Scholtens, College of Charleston, and John Snyder, Furman University [Funded by NPS]

4:30 – 4:50 **Natural Resource Conditions in the Southeast: Risks to, and Benefits from Our National Park Service Units**, Nathan Nibbelink, Gary Grossman, Mike Mengak, Gary Sundin, and Luke Worsham, University of Georgia [Funded by NPS]

5:00 Adjourn

6:00 – Hosted Dinner

Thursday, October 27

8:30 – 10:00 Panel presentation by federal partners of future needs / funding (FWRI Auditorium)

Moderator: Ray Albright, National Park Service

• NPS • NRCS • FWS • DoD • ACE

10:00 – 10:30 Break

10:30 – 12:00 Work performed in CESU projects (FWRI Auditorium) - Session 4
Moderator: Neal Wilkins, Texas A&M

10:30 – 10:50 **Patch Size and Avian Biodiversity in Southeastern Pine Forest: How Big is Big Enough?** Myung-Bok Lee and John Carroll, University of Georgia [Funded by DoD]

- 10:50 – 11:10 **Using Empirical Forecast Models to Optimize Bobwhite and Red-cockaded Woodpecker Management on Ft. Bragg, NC**, Jason Scott, Steven Castleberry and Robert Warren, University of Georgia; and L. Mike Conners, Joseph W. Jones Ecological Research Center. [Funded by DoD - Army]
- 11:10 – 11:30 **Evaluating a Novel Cyanobacterial Neurotoxin in Aquatic Food Webs**, Susan Wilde, Rebecca Haynie, and Shelley Robertson, University of Georgia [Funded by ACE]
- 11:30 – 11:50 **Effects of STA-1E discharge flow on phosphorus concentrations in L-40 canal waters surrounding ARM Loxahatchee National Wildlife Refuge**, Samira Daroub, Manohardeep Josan, and Jehnagir Bhadha, University of Florida; Orlando Diaz, South Florida Water Management District; Timothy Lang, University of Florida; and Michael Waldon, U. S. Fish and Wildlife Service [Funded by FWS]

12:00 Adjourn and enjoy the St. Petersburg community



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Poster Presentations

1. **A Spatial Socio-Demographic Analysis around Texas National Parks**, Kyunghie Lee and Michael Schuett, Texas A&M University [Funded by NPS]
2. **Avifauna surveys of the Kings Bay Submarine Base**, Chris Depkin, Larry Bryan, Susan Wilde, and Paul Schoenfeld, University of Georgia [Funded by FWS]
3. **Brush Control Certification Training Project**, K. Brian Hays, Texas A&M University [Funded by NRCS]
4. **Climate Change and Tidally Influenced Freshwater Forested Wetlands of the Southeast: Understanding Functional Ecological Attributes of Forest Transitions to Marsh – Year 2**, William Conner, Clemson University; Ken Krauss, and Greg Noe, USGS; and Jamie Duberstein, Clemson University [Funded by USGS]
5. **Determining population status of a newly discovered bee species and single-host plant, *Balduina angustifolia***. Mack Thetford, Deborah Miller, and Hannah Hunsberger, University of Florida [Funded by NPS]
6. **Developing a Natural Resources Stewardship and Science Friends Group: A GC-CESU Technical Assistance Project**, Louise Hose and Linda Drees, National Park Service; and Amanda Stronza, Texas A&M University [Funded by NPS]
7. **Ecology of the Burmese pythons in the Florida Everglades**, Frank Mazzotti, and Michael Cherkiss, University of Florida; Skip Snow, National Park Service; and Kristen Hart, US Geological Survey [Funded by NPS & USGS]
8. **Fort Stewart Hurricane Damage Potential, Timber Salvage and Recovery Study, and Modeling of Potential Windthrow and Storm Surges Associated with Hurricanes**, Pete Bettinger, Krista Merry, Jeffrey Heinstall-Cymerman, University of Georgia [Funded by DoD – Army]
9. **Habitat use by ground surface spiders in Kings Mountain National Park**, Sarah Stellwagen and Joe Culin, Clemson University [Funded by NPS]
10. **Heritage Research at federally designated National Historic Sites**, Antoinette Jackson, University of South Florida [Funded by NPS]
11. **Impacts of sea-level rise for three endangered species in the Florida Keys**, Roel Lopez, Texas A&M University [Funded by DoD - Navy]
12. **Internships from CESU Partnerships Leading to Master Thesis Projects**, Christopher Griesbach, University of South Florida [Funded by NPS]

13. **Managed water flows do massive damage to the Everglades and threatened and endangered species there**, Stuart Pimm, Duke University [Funded by NPS]
14. **Physical and chemical Monitoring in Loxahatchee National Wildlife Refuge: Impact of Canal Sediments on Water Quality**, Manohardeep Josan, Samira Daroub, and Jehnagir Bhadha, University of Florida; Orlando Diaz, South Florida Water Management District; Timothy Lang, University of Florida; and Michael Waldon, U. S. Fish and Wildlife Service [Funded by FWS]
15. **Preservation of Focal Vegetation Communities in Southeastern National Park Units**, Luke Worsham, Gary Sundin, Gary Grossman, Michael Mengak, and Nathan Nibbelink, University of Georgia [Funded by NPS]
16. **Radiocarbon controls on Late Quaternary development of floodplain landscapes at Congaree National Park**, David Shelley, Theresa Thom, and William Armstrong, National Park Service; and Doug Dvoracek, University of Georgia. [Funded by NPS]
17. **Readiness and Recovery: Endangered Species Management Strategies for Fort Hood**, Michael Morrison, K. Brian Hays, R. Todd Snelgrove, and R. Neal Wilkins, Texas A&M University [Funded by DoD - Army]
18. **Spatially explicit decision support for watershed management on military lands: stream integrity, interactive programming, and best management practices**, Jeremy Pike, Rob Baldwin, Don Lipscomb, and Rockie English, Clemson University [Funded by DoD]
19. **The origin of Excess Nitrogen in Biscayne National Park**, Peter Swart, William Anderson, and Sarah Bellmund, University of Miami [Funded by NPS]
20. **Understanding Relationships Between Sediment and Carbon Deposition and Floodplain Forest Functions in the Congaree National Park, SC- Year 1**, William Conner, Clemson University; Cliff Hupp, USGS; B. Graeme Lockaby, Auburn University; Edward Shenck, USGS; Gavin Blosser, Clemson University; and Matthew Ricker, Auburn University [Funded by USGS]
21. **Using Terrestrial and Aerial LiDAR and GPS in the Creation of Cultural Resource Management Geographic Information System Models for CESU Partners**, Steven Fernandez, Lori Collins, and Travis Doering, University of South Florida [Funded by NPS]
22. **Vertebrate Diversity of Southeastern Military and Historic National Park Units**, Gary Sundin, Luke Worsham, Gary Grossman, Michael Mengak, Nathan Nibbelink, University of Georgia [Funded by NPS]
23. **Watershed Process Model Development for Liberty Island**, Enrique Reyes, Eastern Carolina University [Funded by FWS]