

Session Theme:	Landscapes	Aquatic Habitat	Coastal	Human Dimensions
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Southeast Climate Adaptation Science Center Regional Science Symposium

Sharing Science to Support Climate Adaptation

New Orleans Marriott, 555 Canal Street, New Orleans, LA 70130

Wednesday November 13, 2019

Time	Session Title/Leads	Speakers	Session Description	Location
7:30 AM	Registration/Coffee			Galerie 4 Foyer
8:00 AM	Combined Session: Welcome and Overview	Derek Aday (NCSU), Ryan Boyles (USGS)	Welcome to Symposium. Describe objectives, structure, outputs/products of the symposium.	Galleries 4-5-6
8:30 AM	Combined Session: History and Future of Science to Support Climate Adaptation	David Reidmiller (USGS), Robin O'Malley (USGS)	Historical perspective on climate adaptation for natural resources and foster ideas on where it should go in the future.	Galleries 4-5-6
9:15 AM	Combined Session: Perspectives from Partners in the Southeast	Bruce Stein (NWF), Casey Thornbrugh (United South and Eastern Tribes), Beth Stys (FL Fish and Wildlife Commission), Janet Ertel (US FWS)	What aspects of the exposure-impacts-adaptation continuum do management partners view as most important to their work? What science/tools would best support their work?	Galleries 4-5-6
10:00 AM	Break			Galerie 4 Foyer
10:30 AM	Breakout Session 1			
	Southeast Conservation Adaptation Strategy <i>Leads:</i> Mallory Martin (US FWS), Nils Peterson (NCSU),	Mallory Martin (US FWS), Anna Smith (South Carolina DNR), Kathryn Jewell (NCSU), Liz Barber (Partnership for Gulf Coast Land Conservation), Bruce Stein (NWF), Eric Bush (US Army COE)	Review SECAS goals and current use of Conservation blueprints. How do we identify the science needed to more effectively address emerging conservation challenges? And how can we best share the science with the conservation community?	Galerie 3
	Coastal Resilience: Perspectives from the Social Sciences <i>Leads:</i> Erin Seekamp (NCSU), Karen McNeal (Auburn)	Chris Burton (Auburn), Ramesh Paudyal (FL Fish and Wildlife Research Institute), Carole Nash (James Madison), Gerard Kyle (Texas A&M), Lindsey Smart (NCSU)	Session will focus on the types of applied research questions or topics social scientists explore that could be relevant to SE CASC constituents. Presenters will be available for additional consultation during the World Cafe.	Galerie 1
	Sea Level Rise Drivers of Habitat Transformation <i>Leads:</i> Sarah Spiegler (NCSU/NOAA/NCSSC), Alyssa Dausman (Water Inst of the Gulf)	Rene Collini (NOAA/NGOMSSC), Scott Hagen (LSU), Scott Covington (FWS), Mel Landry (NOAA), Jessi Parfait (TWI, United Houma Nation)	Identify the gaps in science relevant for adaptation to sea level rise. What is needed, at which scales of management, to foster adaptation especially given the current focus of existing programs that include sea level rise as a focus.	Galerie 2
	Ecosystem Services and Climate Change <i>Leads:</i> Lydia Olander (Duke), Sarabeth Klueh-Mundy (LA DWF)	Analie Barnett (The Nature Conservancy), Katie Warnell (Duke), Anne Neale (EPA), Sarabeth Klueh-Mundy (LA DWF), Todd Baker (LA DWF), Duck Locascio (LA DWF)	This session will focus on links between climate change and ecosystem services research. Presentations on using climate change information to assess ecosystem services impacts, and group discussion about how this type of information can be useful for resource management and decision making.	Balcony J

12:00 PM	Lunch (on your own) 1:00 – 2:00 PM Drop-in: Evaluation of Adaptation Science and Management Focus Groups for Science Users and Science Producers			Balcony J
2:00 PM	Combined Session: From Impacts to Adaptation	Adam Terando (USGS), Mitch Eaton (USGS)	How do we move from understanding impacts to actually making adaptation decisions? This session will use examples of CASC-funded projects to represent a range of complexities and decision contexts to share lessons learned.	Galleries 4-5-6
4:00 PM	Break / Poster and Tools Set-up			
4:30-6:00 PM	Poster/Tools Networking Session: Sharing Science and Tools to Support Adaptation to Climate and Land Use Change		Students, researchers, managers, partners will present posters and demonstrations depicting current research and management-relevant tools.	Galleries 1-2-3

Thursday November 14, 2019

7:30 AM	Registration/Coffee			Galerie 4 Foyer
8:00 AM	Breakout Session 2			
	The Evolving Nature of Wildland Fire: Can We Adapt to New Risks Posed by a Changing Climate and Landscape? <i>Leads:</i> Adam Terando (USGS), Jennifer Fawcett (NCSU)	Kevin Hiers (Tall Timbers), Jennifer Fawcett (NCSU), Jen Fill (UF), John Kupfer (U of SC), Tommy Cabe (Eastern Band of Cherokee Indians), Jen Costanza (NCSU)	Climate change and urbanization are changing the type and magnitude of risk that must be considered to manage wildland fires. What are these risks, how could they affect both wildfires and prescribed fire, and what science will be needed to help managers adapt?	Galerie 2
	Coastal and Estuarine Species <i>Leads:</i> Miguel Garcia (US FWS), Scott Wilson (USGS)	Robert Mayer (University of Puerto Rico-Aguadilla), Suresh Subedi (USGS), Daniel Davila Casanova (Inter American University of PR)	This session will focus on modeling and communication of coastal impacts to at-risk species and habitats - from research to management decisions.	Balcony J
	Grassland Landscapes <i>Leads:</i> Dwayne Estes (SGI), Todd Jones-Farrand (US FWS)	Dwayne Estes (Southeastern Grasslands Initiative), Adam Datillo (TVA), JoVonn Hill (MS State University), Todd Jones-Farrand (US FWS)	Incorporate industry and cultural perspectives on species management to identify the gaps in science needed for effective grassland management especially in the face of changing climate and land use.	Galerie 1
	Cultural Resource Management: A Holistic, Integrated Approach to Conservation <i>Leads:</i> Casey Thornbrugh (USET), Aranzazu Lascurain (NCSU)	Mitzi Reed (MS Band of Choctaw), Mike LaVoie (Eastern Band of Cherokee Indians), Rosina Philippe (Atakapa-Ishak/Chawasha, Grand Bayou); Peter Gaulke (USFS)	For this session we wish to learn from indigenous practices that have sustained communities, ecosystems, and cultural landscapes and discuss the science/technical information needs to foster adaptation and protection of these resources to therefore support Tribal/indigenous life-ways.	Galerie 3
9:30 AM	Break			Galerie 4 Foyer
10:00 AM	World Café <i>Leads:</i> Cari Furiness (NCSU), David Reidmiller (USGS)		This session will include facilitated tables around topics and questions of relevance to the science and management communities at the Symposium, and around relevant research programs and initiatives.	Galleries 4-5-6

12:00 PM	Lunch (on your own)			
2:00 PM	Breakout Session 3			
	Actionable Science for Forested and Woodland Ecological Restoration and Maintenance of Landscapes of the Southeastern U.S <i>Leads:</i> Emrys Treasure (USFS), Clint Moore (USGS)	Joanne Baggs (US Forest Service), Brian Crawford (Univ of GA), Lars Pomara (US Forest Service)	Presentations and facilitated discussion regarding current science and data/technology needs for supporting decision making regarding species, habitats, and landscapes. Examine issues related to scale, coarse- versus fine-filter assessment frameworks, role of science-management partnerships, and gaps in actionable science.	Galerie 2
	Inland and Freshwater Species <i>Lead:</i> Mark Rogers (USGS/TN Tech)	Amanda Rosenberger (USGS), James Everett (TVA), Mark Rogers (USGS)	This session will investigate climate impacts and adaptation management challenges in freshwater aquatic systems, ranging from biodiversity, aquatic plants, water quality & quantity, to fisheries.	Balcony J
	The Ecological Role of Winter Temperature Extremes in the Southeast <i>Lead:</i> Mike Osland (USGS)	Meg Lamont (USGS), Barry Keim (LSU), Phil Stevens (Florida Fish & Wildlife Conservation Commission), Kristen Hart (USGS), Mike Osland (USGS)	In the Southeast, winter temperature extremes control the northern range limits of many freeze-sensitive tropical species. This session will examine the ecological role of winter temperature extremes in the region as well as the ecological and societal implications of the potential northward range expansion of tropical species in response to climate change.	Galerie 1
	Evaluation of Adaptation Science and Management <i>Leads:</i> Paul Armsworth (UT), Karen McNeal (Auburn)	Anne Gold (CIRES, University of CO-Boulder), Robin O'Malley (USGS)	How do we know if our science and adaptation is useful? How do we design evaluation criteria for both science projects and adaptation implementation? How do we monitor impacts of our science and adaptation actions?	Galerie 3
3:30 PM	Break			
4:00 PM	Combined Session: Moving Priorities Forward	David Reidmiller (USGS)	Report out on gaps identified in the Breakout Sessions and Combined Sessions. Connect back to partner perspectives and map to potential science initiatives.	Galerie 4-5-6
5:30 PM	Adjourn			

Friday November 15, 2019

Time	Session Title	Lead	Session Description	Location
8:30 AM	Working Group: Stakeholder Advisory Committee	David Reidmiller (USGS), Ryan Boyles (USGS)	SAC members will reflect on meeting, advise on science priorities for coming years	Galerie 4
11:15 AM	Field Trip to Barataria Preserve, Jean Lafitte National Historical Park and Preserve	Julie Whitbeck (NPS)	Experience some of Louisiana's wetlands by boat, and learn about climate impacts and research. We will depart from the hotel at 11:15 am and return to the hotel by 2:45 pm. (Additional Cost)	Meet in hotel lobby