

# 2018 Southeast Biodiversity Conservation Forum Agenda

## Day 1 (1/2 day) – March 6, 2018

### 11:30-1:00 Registration

- 1:00 - Welcome and introductions, orientation, overview of conference goals
- Introductory presentations
  - NatureServe – Lori Scott, 15 min
  - NCNHP – Misty Buchanan, 15 min
  - NCBG – Damon Waitt, 15 min
- 1:45 - **Exploring North Carolina – Tom Earnhardt**, 45 min
- 2:30 – 2:45 Break
- 2:45 – 5:30 – Breakout sessions

## Day 1 March 6, 2018

	Concurrent Sessions	
2:45 – 5:30	Application of Biodiversity Data	Conservation and Mapping Initiatives
	<ul style="list-style-type: none"> <li>○ Prioritizing Natural Areas for Conservation in North Carolina Using Natural Heritage Data – Misty Buchanan, NC Natural Heritage Program (15 min)</li> <li>○ Prioritizing Important Plant Conservation Sites of North Carolina - Lesley Starke, NC Plant Conservation Program (15 min)</li> <li>○ “Comprehensive Conservation Vision”/Essential Conservation Sites – Rob Evans, VA Natural Heritage Program (15 min)</li> <li>○ Automated Delineation of Conservation Sites in Virginia – Kirsten Hazler, VA Natural Heritage Program (15 min)</li> <li>○ Group discussion (15 min)</li> <li>○ BREAK (15 min)</li> <li>○ Florida Forever Conservation Needs Assessment – Jon Oetting, FL Natural Areas Inventory (15 min)</li> <li>○ Ecological Integrity Assessment in Arkansas – Milo Pyne (NatureServe), Theo Witsell (AR Natural Heritage Program) (15 min)</li> <li>○ Ecological Site Descriptions – Milo Pyne (NatureServe) and Michelle Clendenin (15 min)</li> <li>○ Group discussion (15 min)</li> </ul>	<ul style="list-style-type: none"> <li>○ The Southeastern Grasslands Initiative: Charting a New Course for Conservation in the 21st Century – Dwayne Estes, Austin Peay State University (30 min)</li> <li>○ Longleaf Conservation Roadmap – Hervey McIver, Jodie LaPoint, Margaret Fields, and Liz Kalies; The Nature Conservancy (30 min)</li> <li>○ Group Discussion (15 min)</li> <li>○ BREAK (15 min)</li> <li>○ Landscape Scale Conservation: What’s in your Toolbox? – Lori Scott, NatureServe, Cindy Simpson, NC Wildlife Resources Commission (30 min)</li> <li>○ Improving Distribution Data via Species Distribution Modeling: An Update on the NatureServe Network Modeling Collaborative –Healy Hamilton, NatureServe (30 min)</li> <li>○ Group Discussion (15 min)</li> </ul>

**5:30 Evening reception at North Carolina Botanical Garden (Exhibit Hall) with cash bar**

**7:00 Dinner with Storytelling by Sam Pearsall (Reeves Auditorium)**

**Day 2 March 7, 2018**

	<b>8:00 – 8:30 Breakfast (provided)</b>	
<b>8:30 – 9:40</b>	<b>Plenary Session</b>	
	<ul style="list-style-type: none"> <li>○ Southern Cumberland/Southern Ridge and Valley – Bill Finch, E.O. Wilson Biodiversity Foundation (30 min)</li> <li>○ From Biodiversity to Resilience - Kentucky's 25 Year Wildlife Corridor Project – Hugh Archer and Tara Littlefield, KY Natural Lands Trust and KY Natural Heritage Program (30 min)</li> <li>○ Questions/Discussion (10 minutes)</li> </ul>	
	<b>Concurrent Sessions</b>	
<b>9:45 – 12:00</b>	<b>Application of Biodiversity Data</b>	<b>Biology &amp; Data Management Work Groups (combined)</b>
	<ul style="list-style-type: none"> <li>○ Eno-New Hope Landscape Conservation Project: Combining Biodiversity Data, Corridor Analysis, and Collaborative Planning to Promote Regional Habitat Connectivity – Julie Tuttle, NC Botanical Garden (15 min)</li> <li>○ Green Growth Toolbox: Wildlife and Natural Resource Stewardship in Planning – Olivia Munzer, Kacy Cook, Gabriela Garrison, and Brooke Massa; NC Wildlife Resources Commission (15 min)</li> <li>○ Chatham Conservation Partnership: A Model for Conservation Planning, Action, and Implementation at the Local Level - Allison Weakley - (15 min)</li> <li>○ Wake Nature Preserve Partnership – Chris Snow (15 min)</li> <li>○ Discussion (15 min)</li> <li>○ BREAK (15 min)</li> <li>○ Applications of NatureServe Data for North American Land Trust – Lee Echols and Williams Gandy (15 min)</li> <li>○ Explore Natural Communities – Erin Lunsford Jones and Alli Kenlan, NatureServe (15 min)</li> <li>○ Discussion/Questions (15 minutes)</li> </ul>	<ul style="list-style-type: none"> <li>○ Species Distribution Modeling Network Workshop – Regan Lyons Smyth, NatureServe; Jon Oetting, FL Natural Areas Inventory; Anne Chazal, VA Natural Heritage Program (1 hour)</li> <li>○ Discussion/Questions (15 min)</li> <li>○ BREAK (15 min)</li> <li>○ Taxonomic Concept Mapping Panel Discussion – Anne Frances, NatureServe; Lori Scott, NatureServe; Alan Weakley, UNC Herbarium (30 min)</li> <li>○ Communication within the NatureServe Network – Shara Howie, NatureServe (15 min)</li> </ul>

**12:00 – 1:00 Lunch (provided)**

**Day 2 March 7, 2018, continued - Sessions Concurrent with Workshops**

	<b>Habitat Restoration</b>
<b>1:00</b> – <b>2:30</b>	<ul style="list-style-type: none"> <li>○ North Carolina Plant Conservation Program Preserve Restoration Efforts – Cheryl Gregory, NC Plant Conservation Program (15 min)</li> <li>○ Plant Reintroduction and Seed Banking – Johnny Randall, NC Botanical Garden (15 min)</li> <li>○ Habitat Restoration to Benefit Pollinators in Decline: Examples from North Carolina – Nell Allen, NC Zoo; Mike Kunz, NC Botanical Garden; Gabriela Garrison, NC Wildlife Resources Commission (30 min)</li> <li>○ Isolated Wetland Restoration in the North Carolina Sandhills – Nathan Shepard, NC Natural Heritage Program (15 min)</li> <li>○ Discussion (15 min)</li> </ul>
<b>2:30</b> – <b>2:45</b>	BREAK (15 min)
	<b>Landscape Conservation</b>
<b>2:45</b> – <b>5:00</b>	<ul style="list-style-type: none"> <li>○ Piloting the Development of Landscape-scale Adaptation Strategies for Species of Greatest Conservation Need in Arkansas – D. Todd Jones-Farrand (20 min)</li> <li>○ Integrating Range-restricted Imperiled Species Conservation into the South Atlantic Conservation Blueprint – Rua Mordecai (20 min)</li> <li>○ Envisioning the Future of Conservation in the Florida Keys: Identifying Adaptation Options in Response to Rising Sea Levels – Beth Stys (20 min)</li> <li>○ BREAK (15 min)</li> <li>○ Conservation Delivery: Scaling Landscape Scale Science to Local Projects Through a Community of Practice – Jessica Graham (20 min)</li> <li>○ Adding It All Up – The Southeast Conservation Adaptation Strategy – Chris Goudreau (20 min)</li> <li>○ Facilitated Discussion: What’s working well and what isn’t with linking large landscape conservation and imperiled species? (20 min)</li> </ul>

**Day 2 March 7, 2018, continued - Concurrent Natural Heritage Workshops – All are welcome!**

	<b>Zoology and Data Management</b>		<b>Botany and Ecology</b>		
<b>1:00 – 2:00</b>	<ul style="list-style-type: none"><li>Environmental DNA (eDNA) in Detection and Monitoring of Aquatic Species – James Godwin, AL Natural Heritage Program (15 min)</li><li>SEAFWA Update and Next Steps – Bob Gottfried, TX Parks and Wildlife Department (15 min)</li><li>Overcoming Challenges to Using eBird Data in Heritage Contexts – Bruce Young, NatureServe (15 min)</li><li>Priorities for Freshwater Invertebrates – Bruce Young (15 min)</li></ul>		<ul style="list-style-type: none"><li>Ecological Integrity Framework and Applications (Including and Beyond the EO) – Rickie White, NatureServe (15 min)</li><li>Flora Manager – Alan Weakley, UNC (15 min)</li><li>Discussion (30 min)</li></ul>		
<b>2:00-2:15</b>	BREAK				
	<b>Data Access and Data Management</b>		<b>Zoology</b>	<b>Botany</b>	<b>Ecology</b>
<b>2:15 – 3:30</b>	<b>Environmental Review Tools:</b> <b>Environmental Review Tools:</b> Presentations of ERTs: (15 min each) Lori Scott, NatureServe; Misty Buchanan and Rodney Butler, NCNHP; Renee Hypes, VANHP; Nicole Lorenz, LANHP; Ian Horn, KYNHP; Marion Werkheiser, Cultural Heritage Partners.  Discussion		Presentations and discussions coordinated by Judy Ratcliffe, NCNHP and Bruce Young, NatureServe  Inventory and Conservation Assessment of the Lepidoptera and Odonata Faunas of Virginia – Steve Roble, VA Natural Heritage Program (15 min)  Discussion of topics covered in the preceding Zoology and Data Management session (time remaining)	Presentations and discussions coordinated by Wes Knapp, NCNHP and Anne Frances, NatureServe  <ul style="list-style-type: none"><li>Southeastern Partners in Plant Conservation – Carrie Radcliffe (15 min)</li><li>Coastal Plain Global Biodiversity Hotspot: Botanical Facts and Figures – Bruce Sorrie (15 min)</li></ul>	<ul style="list-style-type: none"><li>Update from states; [maybe including “how was your data exchange?”] (30 minutes)</li><li>Element Ranking and Red-listing of Ecological Systems (IUCN) – Mike Schafale, Pat Comer (30 min)</li><li>Ecological Integrity Assessment and EO Ranking (30 min)</li><li>National Vegetation Classification and Peer-Review Process – Don Faber-Langendoen (30 min)</li><li>Landfire Update and Broad-scale Mapping – Pat Comer(15 min)</li><li>Climate Change and HCCVI - Regan Lyons Smyth (15 min)</li></ul>
<b>3:30 – 5:30</b>	<b>Fees</b>	<b>Data Management</b>			
	Presentations from states that charge fees: (15 min each) Rodney Butler, NCNHP; Rene Hypes, VANHP; Ian Horn, KYNHP. Multijurisdictional data coordination and fees: Shara Howie, NatureServe.  Discussion: What works, what doesn’t, pros and cons of charging fees for data and services.	Presentations and discussions coordinated by Michelle Warf, NCNHP and Whitney Weber, NatureServe Topics will include: <ul style="list-style-type: none"><li>Bulk data uploads</li><li>Biotics 5</li><li>iNaturalist data</li><li>SQL</li></ul>			

**Day 3 (Half Day, Optional Full Day) – March 8, 2018**

	<b>8:00 – 8:30 Breakfast (provided)</b>	
	<b>Concurrent Sessions</b>	
<b>8:30 – 10:45</b>	<b>Communication</b>	<b>Online Science Tools</b>
	<ul style="list-style-type: none"> <li>○ How Can I Do Science and Communicate About Science at the Same Time? – Roland Kays, NC Museum of Natural Science and NC State University (30 min)</li> <li>○ Sharing Science with Citizens – Steve Gerkin, NC Zoo (30 min)</li> <li>○ BREAK (15 min)</li> <li>○ Leveraging Biodiversity Data to Empower Kids to Act on Behalf of their Ecosystems – Courtney Kimmel, Captain Planet Foundation (15 min)</li> <li>○ Media Relations – Matthew Shipman, NC State University (15 min)</li> <li>○ Discussion/breakout groups – Rodney Butler, NC Natural Heritage Program and Buchi Akpati, NatureServe (30 min)</li> </ul>	<ul style="list-style-type: none"> <li>○ FloraQuest – Alan Weakley, UNC Herbarium and Michael Lee, UNC-Chapel Hill (15 min)</li> <li>○ Flora of Virginia App – Johnny Townsend, VANHP (5 min)</li> <li>○ Flora of the Southern and Mid-Atlantic States (<a href="http://www.wotas.org">http://www.wotas.org</a>) - A Guided Tour of Plant Information Resources at the North Carolina Botanical Garden – Damon Waitt, NC Botanical Garden (15 min)</li> <li>○ Plant Identification Tools and Resources: The SERNEC Portal and North Carolina Contributions – Alexander Krings, NC State University (15 min)</li> <li>○ Museum Informatics Data Security: A Need for Collaboration – Zack Murrell and Michael Denslow, ASU; Herrick Brown, SC Heritage Trust Program (15 min)</li> <li>○ BREAK (10 min)</li> <li>○ Broad-scale Camera Trap Surveys – Stephanie Schuttler, NC Museum of Natural Science (15 min)</li> <li>○ Maryland Biodiversity Project – Jim Brighton, 15 min</li> <li>○ Use of Biodiversity Websites to Share Information Among Scientists, Conservationists, Educators, Naturalists, and the General Public – Steve Hall and Harry LeGrand, North Carolina Biodiversity Project (15 min)</li> <li>○ Shared Discussion (15 min)</li> </ul>

- **10:45 – 11:00 BREAK/reconvene in plenary room**
- **11:00 – 12:00: The Southeast's Amazing Biodiversity: a benediction and call to action – Alan Weakley**
- **12:00 – 1:00: Boxed lunch (provided)**
- **Afternoon: Field Trips (optional – advanced registration only)**
  - **Mason Farm & NCBG:** Led by Johnny Randall and Dan Stern 1:00-4:00 pm
  - **Weymouth Woods:** Led by Alan Weakley and Wes Knapp, 12:30-6:00 pm
  - **Deep River (paddling trip):** Led by Scott Pohlman and Judy Ratcliffe, 12:30 – 6:00 PM
  - **Occoneechee Mountain State Natural Area** – Led by Misty Buchanan and Nathan Shepard 1:00 – 4:30
  - **Swift Creek Bluffs and Hemlock Bluffs** – Led by Michael Schafale 1:00 – 5:00 PM
  - **Willie Duke's Bluff Wildflowers** Led by Milo Pyne 1:00 – 6:00 PM