

Biodiversity Without Boundaries 2022  
 Coming Together for Conservation  
 March 22-24, 2022 | Pittsburgh, PA



DRAFT NETWORK AGENDA  
 SUBJECT TO CHANGE

Date	Time (Eastern)	Session Title	Speakers	Registrant Type
<b>Monday March 21, 2022</b>	6:30 pm	Informal Network/Staff meetups		In-person
<b>Tuesday March 22, 2022</b>	9:00am-5:00pm	Registration Open		In-person
	9:00am-12:00pm	Observation Data Standard	<ul style="list-style-type: none"> <li>Whitney Weber, DBA &amp; Product Support Specialist, NatureServe</li> </ul>	In-person
	9:00am-12:30pm	iMap Meeting	<ul style="list-style-type: none"> <li>J-Admin and invitees</li> </ul>	In-person
	10:00am-12:00pm	Key Biodiversity Areas in the US	<ul style="list-style-type: none"> <li>Patrick, Comer, Chief Ecologist, NatureServe</li> <li>Christopher Tracey, Conservation Planning Manager, Pennsylvania Natural Heritage Program</li> <li>Wes Knapp, Chief Botanist, NatureServe</li> </ul>	In-Person
	1:30-2:15 pm	Welcome from Pennsylvania & Overview of the Landscape	<ul style="list-style-type: none"> <li>Talon Silverhorn Native American experience and thoughts on conservation</li> <li>Cindy Dunn, Secretary of the Pennsylvania Department of Conservation and Natural Resources</li> <li>Charles Bier, Senior Director of Conservation Science, Western Pennsylvania Conservancy</li> </ul>	In-person Virtual
	2:15-2:30pm	Welcome from NatureServe	<ul style="list-style-type: none"> <li>Dr. Sean T. O'Brien, President &amp; CEO, NatureServe</li> </ul>	In-person Virtual
	2:30-3:15pm	This Moment in Conservation	<ul style="list-style-type: none"> <li>Dr. Healy Hamilton, Chief Scientist, NatureServe</li> </ul>	In-person Virtual
	3:15-3:30pm	Break		In-person Virtual
	3:30-4:15pm	Data to Decision Stories	<ul style="list-style-type: none"> <li>TBD</li> </ul>	In-person Virtual

Date	Time (Eastern)	Session Title	Speakers	Registrant Type
	4:15-5:00pm	Delivering Data for Conservation Action with Explorer Pro	<ul style="list-style-type: none"> <li>Lori Scott, Chief Information Officer, NatureServe</li> </ul>	In-person Virtual
	5:30-7:30 pm	Welcome Reception		In-person
<b>Wednesday March 23, 2022</b>	7:30-8:45 am	Breakfast Buffet		In-person
	9:00-10:30 am	Breakout Session Technological Solutions for Biodiversity: Using Community Science to Support Biodiversity Conservation	<p>Moderator: Misty Nelson, Deputy Director of Network Relations, NatureServe</p> <ul style="list-style-type: none"> <li>Dr. Gregory Mueller, Chief Scientist and V.P Science, Chicago Botanic Garden, Plants of Concern Program brings together community science &amp; technology for rare plant monitoring</li> <li>Dr. Mack Frantz, Zoologist, West Virginia Division of Natural Resources, Light Up West Virginia: Using citizen science for firefly conservation</li> <li>Gabriela D'Elia, Director, Fungal Diversity Survey, Fungal Diversity Survey: Conserving Fungi with Citizen Science</li> <li>Mitchell O'Neill, Invasive Species Database User Support Specialist, New York Natural Heritage Program, Engaging Community Scientists to Complement Professional Field Survey Efforts and Fill Data Gaps: Pollinators, Orchids, and Invasive Species</li> </ul>	In-person
	9:00-10:30 am	Breakout Session Data, Science, and Trends: Latest Advances in Ecology	<p>Moderator: Don Faber-Langendoen, Senior Ecologist and Conservation Methods Coordinator, NatureServe</p> <ul style="list-style-type: none"> <li>Dan Hannon, Natural Area Protection and Outreach Specialist, Virginia Department of Conservation and Recreation</li> <li>Katarina, Kosic Ficco, Cave and Karst Field Scientist, Virginia Department of Conservation and Recreation, Integration of Karst Subterranean Biodiversity Data into Natural Heritage Database: Challenges and lessons learned from the Virginia Natural Heritage Program</li> <li>Christopher Tracey, Conservation Planning Manager, Pennsylvania Natural Heritage Program, 40 years of riverscours habitat studies -- linking heritage data to the environmental drivers of species decline.</li> </ul>	In-person

Date	Time (Eastern)	Session Title	Speakers	Registrant Type
			<ul style="list-style-type: none"> <li>Patrick, Comer, Chief Ecologist, NatureServe, IUCN Red List of Ecosystems and Climate Change Vulnerability in North America</li> </ul>	
	9:00-10:30 am	iMap Strategy Meeting		In-person
	10:30-11:00am	Break		
	11:00 am-12:30 pm	Breakout Session Coming Together for Conservation: How Partnerships Advance Our Shared Mission	Moderator: Allison Gratz, Director, Network Relations, NatureServe <ul style="list-style-type: none"> <li>Dr. Darren Sleep, Senior Director, Conservation Science and Strategy, The Sustainable Forestry Initiative, Biodiversity Conservation Metric's: Quantifying Forest Biodiversity at a Continental Scale</li> <li>Dr. Gerald Guala, Program Scientist National Aeronautics and Space Administration (NASA) &amp; Dr. Jessica Mitchell, Director, Spatial Analysis Lab, University of Montana, Overview of NASA's UNBOUND series and Workshop Outcomes</li> <li>Tess Webb, Aquatic Ecologist, Colorado Natural Heritage Program, Landscape-scale Aquatic Resource Monitoring: CNHP's Partnership with BLM Assessment, Inventory, and Monitoring (AIM) Program</li> </ul>	In-person
		Breakout Session Conservation Today: From Data to Conservation Decisions	Moderator: Patrick Comer, Chief Ecologist, NatureServe <ul style="list-style-type: none"> <li>Dr., Jennifer, Dean, Invasive Species Biologist, New York Natural Heritage Program, A data driven method for prioritizing invasive species to aid policy and management</li> <li>Patrick Comer, Chief Ecologist, NatureServe, Advancing Development and Application of the Habitat Climate Change Vulnerability Index (HCCVI)</li> <li>Dr. Bruce Young, Chief Zoologist &amp; Senior Conservation Scientist, and Hannah Hyatt GIS Analyst, NatureServe, Science to Support BLM Pollinator Management</li> </ul>	In-person
	12:30-1:30pm	Lunch on Own		
	1:30-2:00pm	Notes from the Field	<ul style="list-style-type: none"> <li>TBD</li> </ul>	In-person Virtual
	2:00-2:30pm	Keynote Speaker	<ul style="list-style-type: none"> <li>Michelle Nijhuis, author of <i>Beloved Beasts: Fighting for Life in an Age of Extinction</i></li> </ul>	In-person Virtual

Date	Time (Eastern)	Session Title	Speakers	Registrant Type
	2:30-3:45	Conservation Today: Identifying Conservation Priorities	Moderator: Dr. Gio Rapacciuolo, Director of Applied Science Programs <ul style="list-style-type: none"> <li>• Adam Dattilo, Senior Botanist, Tennessee Valley Authority, Tennessee Valley Authority Biodiversity Policy: Facilitating Species Conservation in an Increasingly Developed World</li> <li>• David Anderson, Director, Colorado State University, CODEX and the Return on Investment Report</li> <li>• Chloe Debyser, Key Biodiversity Areas (KBA) Canada Technical Coordinator, Wildlife Conservation Society Canada, The Identification of Key Biodiversity Areas in Canada</li> <li>• Shannon Alexander, Coastal Region Steward / Regional Supervisor, Virginia Department of Conservation and Recreation, Division of Natural Heritage, Songbird Habitat Restoration on the Eastern Shore of Virginia</li> </ul>	In-person Virtual
	3:45-4:15	Break		
	4:15-5:15 pm	Breakout Session Technological Solutions for Biodiversity Information: The Observation Lifecycle & Tools for Collaboration	Moderator: Whitney Weber, DBA & Product Support Specialist, NatureServe <ul style="list-style-type: none"> <li>• Whitney Weber, DBA &amp; Product Support Specialist, NatureServe, Make it yours: Customizing the Observations survey &amp; Recent Updates to the Observations Lifecycle</li> <li>• Dr. Gio Rapacciuolo, Director of Applied Science Programs</li> <li>• Dr. Vratika Chaudhary</li> </ul>	In-person
		Breakout Session Conservation Today: Communications and Connections	Moderator: Sam Belilty, Director of Marketing, NatureServe <ul style="list-style-type: none"> <li>• Bryce, Maxell, Program Coordinator, Montana Natural Heritage Program, Annual Partner's Meetings for Partner Funding, Outreach, and Feedback</li> <li>• David Anderson, Director, Colorado Natural Heritage Program, Engaging with Donors and donor-funded program development</li> <li>• Emma Balunek, Field Technician, Colorado Natural Heritage Program, Coyote-badger relationship</li> </ul>	In-person
		Breakout Session Coming Together for Conservation: Engaging the Network on Identifying At-Risk Ecosystems in North America	Moderator: Don Faber-Langendoen, Senior Ecologist and Conservation Methods Coordinator, NatureServe <ul style="list-style-type: none"> <li>• Joe Rocchio, Program Manager, Washington Natural Heritage Program and Mike Leahy, Natural Community</li> </ul>	In-person Virtual

Date	Time (Eastern)	Session Title	Speakers	Registrant Type
			<p>Ecologist, Missouri Natural Heritage Program Advancing our Assessment of At-Risk Ecosystems across the Network</p> <ul style="list-style-type: none"> <li>• Emily Seddon, Vegetation Ecologist, NatureServe, Mapping At-Risk Ecosystems in the U.S. at the IVC Group level</li> <li>• Jim Vanderhorst, Vegetation Ecologist, West Virginia Natural Heritage Program Conservation Status Ranks for Vegetation Associations in West Virginia</li> <li>• Ephraim Zimmerman, Ecologist/Science Director, Pennsylvania Natural Heritage Program Ranking Pennsylvania's Peatlands: State Rarity and Condition Ranks for High Priority Wetland Communities</li> </ul>	
	6:00 pm		Optional Offsite (TBD)	In-person
<b>Thursday March 24, 2022</b>	7:30-8:45 am		Breakfast Buffet	In-person
	9:00-10:30 am	Breakout Session Coming Together for Conservation: Advancing Collaborative Plant Conservation	<p>Moderator: Wes Knapp, Chief Botanist, NatureServe</p> <ul style="list-style-type: none"> <li>• Dr. Alan Weakley, Herbarium Director, University of North Carolina at Chapel Hill, Not your grandfather's field manual: Approaches to enhancing taxonomy, floras, florulets, field apps, taxon concepts, conservation ranks, and databases for conservation decision-making in the 2020</li> <li>• Amy Highland, Director of Collections and Conservation Lead &amp; Elan Alford, Conservation Fellow, Mt. Cuba Center, Mt. Cuba Center Sets Intentions to Form a Mid-Atlantic Plant Conservation Alliance</li> <li>• Nicki Gustafson, Project Review Assistant, Virginia Department of Conservation and Recreation Division of Natural Heritage, Pollinator Smart: Establishing a Native Seed Industry in Virginia</li> <li>• Wes Knapp, Chief Botanist, NatureServe, Botanical collaborations made possible through the United States Botanic Gardens</li> </ul>	In-person
		Breakout Session Data, Science & Trends: Species Projects from Around the Network	<p>Moderator: Dr. Bruce Young, Chief Zoologist &amp; Senior Conservation Scientist, NatureServe</p> <ul style="list-style-type: none"> <li>• Dr. Matthew, Schlesinger, Chief Zoologist, New York Natural Heritage Program, Dropping Like Flies? Assessing the Conservation Status of the Flower Flies of Northeastern North America</li> </ul>	In-person

Date	Time (Eastern)	Session Title	Speakers	Registrant Type
			<ul style="list-style-type: none"> <li>Eric, Miskow, Biologist, Nevada Division of Natural Heritage, Springsnail Conservation in the Great Basin</li> <li>Allison, Siemens Worsley, National Data Support Biologist, NatureServe Canada, Wild Species: The General Status of Species in Canada</li> </ul>	
		Breakout Session Technical Solutions for Biodiversity Information: Innovative Approaches to Support Data Visualization and Interpretation	Moderator: Mike Gill, Director, Biodiversity Indicators Program, NatureServe, NatureServe's Biodiversity Indicators Program <ul style="list-style-type: none"> <li>Mike Gill, Director, Biodiversity Indicators Program, NatureServe, NatureServe's Biodiversity Indicators Program: Bridging the Gap Between Data and Decision</li> <li>Jon Oetting, Chief of Conservation Planning Services, Florida Natural Areas Inventory and Max Tarjan, Science Project Manager, NatureServe, Iterative Improvements to Species Habitat Models for the USFWS Southeast Habitat Modeling Pilot Project</li> <li>Bryce Maxell, Program Coordinator, Montana Natural Heritage Program, Montana's Map Viewer Web Application: providing a full complement of conservation data products to partners</li> <li>Randal Greene, EBAR Technical Coordinator, &amp; Ms. Gabrielle Miller, National Coordinator, Ecosystem-based Automated Range Mapping Project, NatureServe Canada, EBAR: NatureServe Canada's Ecosystem-based Automated Range Mapping Project</li> </ul>	In-person
	11:00 am-1:00 pm	Plenary Awards Lunch	<ul style="list-style-type: none"> <li>TBD</li> </ul>	In-person Virtual
	1:30 pm-5:00 pm	Network Meetings	<ul style="list-style-type: none"> <li>Biotics 6, Ranking, Modeling</li> </ul>	In-person

