

ACES 2024 Detailed Agenda

A Community on Ecosystem Services

Monday, December 9, 2024

1:00pm-6:00pm	<p align="center">Conference Registration Open [Plaza Level/Lower Level Registration Booth]</p>
1:00pm - 5:00pm	<p align="center">Exhibitors and Poster Presenters Move-in Displays</p>
3:00pm - 5:00pm	<p align="center">OPTIONAL PRE-CONFERENCE TRAINING</p> <p align="center">"Working with Tribal Governments" [Pecos Room - Plaza Level/Lower Level]</p> <p>This informative session conducted by trainers from The Whitener Group and The Nature Conservancy will present the origins and application of the popular "Indian Country 101" training curriculum, emphasizing the importance of establishing a foundation of knowledge about tribal governments before advancing to more comprehensive partnership and engagement initiatives.</p> <p align="center">Advance registration for this session was required to participate. Maximum capacity has been reached.</p> <p align="center">Workshop Instructors: Jenn Ulrich, The Whitener Group Jessie Israel, The Nature Conservancy</p>
5:00pm - 6:00pm	<p align="center">Welcome Networking Social [Glass Oaks Ballroom - Atrium Level/Lobby Level]</p>

Tuesday, December 10, 2024

7:30am-5:00pm	<p align="center">Conference Registration Open Space Available for Impromptu Meetings</p>
7:30am-8:30am	<p align="center">Morning Refreshments and Poster Set-Up (<i>Exhibit Hall</i>)</p>
8:30am-9:50am	<p align="center">Opening Plenary Session [Grand Ballroom A – Atrium Level/Lobby Level]</p> <p align="center">ACES Co-Chairs and Session Moderators: Ms. Shonte Jenkins, U.S. Geological Survey and Marc Russell Dr. Marc Russell, U.S. Environmental Protection Agency</p> <p align="center">Plenary Session Schedule: 8:30am Welcome to ACES 8:35am Speaker Presentations</p> <p align="center">SPEAKERS: Mr. Richard Begay, Tribal Historic Preservation Officer Navajo Nation, Heritage and Historic Preservation Department, Window Rock, AZ</p> <p align="center">Dr. Sonny Ramaswamy, President Northwest Commission on Colleges and Universities, Redmond, WA</p>
9:50am - 10:15am	<p align="center">AM Break in the Exhibit Hall</p>

Tuesday, December 10, 2024 (continued)

Concurrent Sessions - 10:15am - 12noon

	Session 1	Session 2	Session 3	Session 4	Session 5
	San Antonio	Sabine	TRINITY A	TRINITY B	PECOS
	Incorporating Ecosystem Services in Federal Decision-Making	A Comprehensive Look at Ecosystem Service Valuation in Sanctuaries and the Great Lakes	Investing and Putting Nature to Work	Bringing it All Together: How Do We Establish Systems of Ecosystem Services for Ongoing Monitoring?	Graduate Training in Ecosystem Services and Related Sciences
	Emily Pindilli Executive Office of the President, Office of Science & Technology	Danielle Schwarzmann NOAA Office of National Marine Sanctuaries	Ben Sherrouse U.S. Geological Survey	Gretchen Greene Greene Economics LLC	Ray Ali USDA-NIFA
10:15am	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
10:20am	PANELISTS: Matthew Oreska , OMB Christian Crowley , DOI Kate Quigley , NOAA Travis Warziniack , FS	PANELISTS: Robert C. Burns , WVU Charles Goodhue , ERG Lou Nadeau , ERG Jeff Gray , NOAA TBNMS	Ken Cousins Valuing the Co-Benefits of Source Water Protection: Modeling the Effects of Forest Management on Ecosystem Services	Bea Covington Positioning State Lands for the Energy Transition	Anita Antoninka Training Culturally Responsive Leaders for Managing Resilient Forests
10:40am	This panel will focus on ecosystem services used by federal agencies in decision-making. Topics include the OMB's Ecosystem Services Guidance and the National Science and Technology Council Subcommittee on the Frontiers of Benefit-Cost Analysis. Agency representatives will provide perspective on the state of ecosystem services research and use in regulatory decisions.	This panel will focus on methods and outcomes used in ecosystem service valuation to inform the decision making process. Panelist discussion will heavily draw from work from the National Oceanic and Atmospheric Administration and the National Marine Sanctuary Foundation that is supporting the Sanctuary designation process.	Glen Delaney The Value of Restoring Forested Wetlands: The Avahoula Climate Mitigation Project	Juliet Sinisterra Nature-Positive Urban Development and Regenerative Growth	Yoko Kusunose A Nationally Recognized Master's Program for Extension Training in Agricultural Economics
11:00am			Mila Pruiett Building Resilience to Climate Change in the Colorado River Basin	Michele Arquette-Palermo Model to Mishap: Making a Case for Protection of Water Quality in Southwest Florida	Zakiya Leggett Forestry of the Future: Improving Student Readiness and Workforce Participation of Underrepresented Minority Populations in Forest Resources
11:20am			Laila Racevskis Cost-Effectiveness of Natural Resource-Based Adaptation Strategies in the Florida Keys	Sabine Postma Accounting for Ecosystem Services via Sustainability Frameworks in Canada	Krishnaswamy Jayachandran Graduate Training in Agroecology at Florida International University
11:40am			Mark Ducey Silvicultural Principles for Northern Forest Restoration Based on Financial Productivity and Avian Functional Diversity	Susan Burke Environmental Accounting and Measuring Change and Improvement	Discussion
12:00pm-1:00pm			Lunch Buffet Provided in Exhibit Hall		

Tuesday, December 10, 2024 (continued)

Concurrent Sessions - 1:00pm - 2:45pm

	Session 6	Session 7	Session 8	Session 9	Session 10
	San Antonio	Sabine	TRINITY A	TRINITY B	PECOS
	Progress on Bipartisan Infrastructure Law and Inflation Reduction Act Implementation	The North American Great Lakes: Powering the Economic Engine in the Region	Investing in Equity and Agriculture: USDA-Funded Collaborations at Hispanic-Serving Institutions	Recent Scientific Advances in Forest Ecosystem Management for Numerous Ecosystem Services	Tools and Approaches Measurements
	Marc Russell US EPA	Rajendra Poudel International Joint Commission / Great Lakes Regional Office	Irma Lawrence USDA-NIFA	Diomides (Diomy) Zamora USDA-NIFA	Alanna Shapiro Florida Atlantic University
1:00pm	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
1:05pm	Nausheen Iqbal Inflation Reduction Act Investments in Urban and Community Forestry	PANELISTS: Roy Brouwer , University of Waterloo John Livernois , University of Guelph Salim Hayder , Division of Fisheries and Oceans Kate Quigley , NOAA The panel session will focus on sharing best practices, lessons learned, and concerted efforts that the United States and Canada are working on to fulfill the Great Lakes water Quality Agreement (GLWQA). This panel session offers insights on how the US\$6 trillion vibrant economy of the North American Great Lakes is accelerating the growth of regional economy, conserving aquatic, terrestrial and atmospheric environments & wildlife, and safeguarding the Indigenous culture.	Alok Arun Farming for Future: Integrated Interventions to Improve Student Success and Experimental Learning in Controlled Environmental Agriculture	Brian Connolly Context Matters: Adapting Vegetation Management Strategies to Various Forest Types	Mustapha Alhassan Application of a Use Estimating Model in Reservoir Recreation Benefits Estimation
1:25pm	Gayle Barry USDA-NRCS and the Inflation Reduction Act		Mahadev Bhat Enhancing Agri-Education and Diversity through Multistate Collaborative Approach	Solomon Dobrowski Quantitative Prediction, Prioritization, and Decision Support for Reforestation Efforts in the Western USA	Robert Botta The Challenges of Valuing Ecosystem Services: Qualifying the Benefits of Science and Conservation
1:45pm	Ralph Smith USDA-NRCS and the Bipartisan Infrastructure Law		Bob Vasquez Caminos For Success: An Overview and Lessons Learned	Akihiro Koyama Investigation of Mechanisms for Oak Seedling Success Under Pine in the Lake States Region	Diana Del Angel Socioeconomic Outcomes of Oyster Reef Restoration Projects: Case Study of Galveston Bay, TX and Calcasieu Lake, LA
2:05pm	Jessica Grannis NOAA's BIL-IRA Investments in Nature-Based Solutions	Shad Nelson Getting Occupational Student Training in Agricultural Research Through Novel Workshops	A. Christopher Oishi Quantifying Changes in Evapotranspiration and Carbon Sequestration in a Restored Longleaf Pine System	Angela Fletcher Outdoor Recreation on State Lands in Washington: What Mobile Device Data Reveal About Visitation	
2:25pm	George Gardner Valuing the Wetlands Ecosystem Services Using Meta-Regression: Applications to Bipartisan Infrastructure Law Grant-Funded Projects	Tanner Machado Manager Education and Agriculture Technical Skills Workforce	Kathleen Conroy Forest Management Impacts on Ecosystem Services – A Bayesian Belief Network Approach	Darius Semmens A Tiered Assessment Framework for Interregional Flows of Ecosystem Services from Migratory Species	
2:45pm - 3:15pm	PM Break (Exhibit Hall)				

Tuesday, December 10, 2024 (continued)

Concurrent Sessions - 3:15pm - 5:00pm					
	Session 11	Session 12	Session 13	Session 14	Session 15
	San Antonio	Sabine	TRINITY A	TRINITY B	PECOS
	Decolonizing Ecosystem Valuation and Environmental Management	Rewilding the Shoreline: Biodiverse Infrastructure on Lake Erie's Waterfront	Emerging Technologies and Their Implications for the Provisioning of Ecosystem Services to People	Community and Ecological Resilience	Tools and Approaches for Valuation
	Nejem Raheem Emerson College	Daniel Affleck NBBJ	Megan Rippy Virginia Tech	Tammy Newcomer- Johnson US EPA	Zachary Ancona USGS
3:15pm	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
3:20pm	<p>PANELISTS:</p> <p>Erin Genia, MIT Doreen E. Martinez, Colorado State University Ronee Penoi, Emerson College</p> <p>This panel will focus on: The term "Decolonization" is used in many fields, but has made few inroads into ecosystem valuation and management. Indigenous communities often see natural resources and ES in ways that federal or state agencies are just coming to explore or know. It is crucial to build mutual respect and comprehension of these knowledges and practices to effectively and ethically incorporate values into policy and management.</p>	<p>PANELISTS:</p> <p>Jennifer Grieser, Cleveland Metroparks Kevin Grieser, Biohabitats Gordon Thomson, P.E., BC.CE, Baird & Associates</p> <p>This session will highlight three Lake Erie waterfront projects where built infrastructure enhances natural systems to build climate resilience. We will explore soft engineering techniques, from design to construction, and discuss installation, operations, and lessons learned. Additionally, we'll provide context by examining the history of Lake Erie's waterfront urbanization, the harmful effects of habitat fragmentation, and the accelerating impacts of climate change. We'll also examine public-private partnerships, policies, and funding strategies for reconnecting fragmented shorelines.</p>	<p>Tripp Shealy Embodied Virtual Reality: The Impacts on Human-Nature Connection and Nature-Based Stormwater Solutions</p>	<p>Nesisa Analisa Nyathi Perceptions of Cultural and Provisioning Ecosystem Services and Human Wellbeing Indicators Amongst Indigenous Communities Neighboring the Greater Limpopo Transfrontier Conservation Area</p>	<p>Lucila Corro Increasing Accuracy of National-Scale Urban Ecosystem Service Accounts</p>
3:40pm			<p>Megan Rippy Leveraging Virtual Spaces for Human-Centered Design</p>	<p>Catherine O'Reilly gROWing Chicago Habitat and Developing a Habitat Network for the Chicago Wilderness Region</p>	<p>Jeffrey Kline Update of the Recreation Use Values Database for Estimating Outdoor Recreation Benefits</p>
4:00pm			<p>Megan Blumenauer Leveraging Virtual Reality for Green Infrastructure Design: Implications for the Cultural Services Aesthetics & Sense of Place</p>	<p>Maxwell Perkins Exploring the Potential Energy Resilience Benefits of Coastal Ecosystems and Protected Areas in Puerto Rico</p>	<p>Simone Maynard An Assessment and Valuation of Ecosystem Services Derived from National Parks in Queensland (Australia)</p>
4:20pm			<p>Mark Lindquist Increasing Co-Benefits of Green Infrastructure Using Interactive Decision Support Systems</p>	<p>Hamid Arrum Harahap No Cent in Incentives: Sustaining Ecosystem Services Through Indigenous Payment Practices in Tapanuli, Indonesia</p>	Discussion Period
4:40pm		<p>Stanley Grant Smart and Green: Water Supply and Stormwater Retention Benefits of Real Time Control in Different Climate Regimes</p>	<p>Hebin Lin Sustainability and Resilience: An Ecosystem Service Perspective for the National Environmental Policy Act</p>		
5:00pm - 6:00pm	Welcome Reception (Exhibit Hall)				

Tuesday, December 10, 2024 (continued)

Pollinator Workshop

[San Antonio Room]

Bees and other pollinators are critical to ecosystem health and our food supply. Despite significant advances in science, in many areas pollinators are in decline. We are interested in advancing a science-based conversation that will support better metrics and business models to promote investments in pollinators. Grab a beverage from the networking social and come join us to hear perspectives from the private sector, Federal agencies, practitioners and researchers and to share your own thoughts on general principles that land managers can use to support pollinators.

PRESENTERS:

Dr. Zachary Ancona, U.S. Geological Survey, "National Accounting for Wild Pollination in the United States"

Dr. Chris Hartley, USDA Office of Environmental Markets, "Updates on Pollinators in AtB, NNA, NCA, NbS and the Rest of the Federal Alphabet Soup"

6:00pm - 7:00pm

Wednesday, December 11, 2024

7:30am-5:30pm	Conference Registration Open Space is Available for Impromptu Meetings				
7:30am-8:30am	Morning Refreshments - Exhibit Hall				
Concurrent Sessions - 8:30am - 10:15am					
	Session 16	Session 17	Session 18	Session 19	Session 20
	San Antonio	Sabine	TRINITY A	TRINITY B	PECOS
	Leveraging Federal Guidance and Tools for Assessing Ecosystem Services	Creating Space for Diverse Knowledge Systems and Plural Values in Federal Resource Management	Geospatial Big Data and Machine Learning for Quantifying Ecosystem Services and Biodiversity	Value of Forests and Risks They Face	“Where” Matters! Better Measuring, Monitoring and Modeling of Carbon and GHG Cycles in Landscapes
	Kelly Garbach USDA-NIFA	Kristin Hoelting USGS	Chang Zhao University of Florida	Travis Warziniack US Forest Service	Terry Nipp Texas A&M/AgMIP
8:30am	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
8:35am	PANELISTS: Lydia Olander , National Ecosystem Services Partnership; Nicholas Institute for Energy Environment & Sustainability at Duke University	PANELISTS: Carolina Behe , Office of National Marine Sanctuaries, NOAA Doreen E. Martinez , Colorado State University Department of Ethnic Studies	Xiao Huang Simulating Visible Greenness in Urban Settings: Computational Approaches to Assessing and Enhancing Urban Green Spaces	Travis Warziniack What is the Value of a Forest?	Yushu Xia Integrating Soil Carbon and Greenhouse Gas Monitoring Into Regionalized Ecosystem Service Evaluation
8:55am	Leah Sharpe , U.S. EPA, Gulf Ecosystem Measurement and Modeling Division Tammy Newcomer-Johnson , U.S. EPA, Center for Environmental Measurement and Modeling	Deborah McGregor , Osgoode Hall Law School Richard Begay , Navajo Historic Preservation Department	Brittany Mason Citizen Science as an Approach for Valuation of Biodiversity in Environmental Impact Statements	Christian Crowley FICOR (Federal Council on Outdoor Recreation) Coordinating Federal Recreation Efforts	Anthony Aufdenkampe Coupling Soil Hydrology and Carbon Process-Models to Transform the Accuracy of Greenhouse Gas and Water Co-Benefits of Applying Nature Based Solutions to AgroEcosystems
9:15am	This panel will focus on recent federal policy guidance and tools to evaluate ecosystem services and how they can be leveraged to evaluate tradeoffs among services and potential beneficiaries in agricultural and rural communities. We will discuss the Guidance for Assessing Changes in Ecosystem Services, Nature-Based Solutions Roadmap, and related decision-support tools.	This panel will explore Federal agencies' increasing efforts to elevate multiple knowledge systems alongside western scientific approaches to resource management and ecosystem valuation. Panelists have diverse experience and expertise working across knowledge systems in the context of ecosystem management in both the United States and Canada. They will discuss common barriers encountered in their efforts to support elevation of Indigenous Knowledge, identify success stories, and highlight needs and opportunities to improve meaningful consideration of diverse knowledges.	Nataly Miguez Exploring the Synergies Between Biodiversity and Human Use of Urban Greenspaces	Katie Warnell Order out of Chaos: A Dashboard for Forest Accounts	Xuesong Zhang Integrated Watershed Modeling and Accounting of Terrestrial and Aquatic Carbon Budgets
9:35am			Haojie Cao Spatial Patterns and Interactions Among Multiple Cultural Ecosystem Services Across Urban Greenspaces	Kenneth Bagstad Accounting For Hazards and Natural Capital Within the U.S. Natural Capital Accounting System	Matthew Sheffer and Ben Dobson You Can't Do Just One Thing: The Case for a Watershed-Based Payment for Ecosystem Services Framework
9:55am			Chang Zhao Mapping Flows of Nature-Based Outdoor Recreational Services at Large-Scale Based on Crowdsourced Data and Multimodal Learning	Matthew Sloggy Investing in Watersheds to Increase the Pace and Scale of Forest Management	Terry Nipp Greater Than the Sum of the Parts – Working Together to Support Data Collection and Multi-Model Ensembles for Carbon and GHG Services at Field, Watershed and Regional Scales
10:15am - 10:45am	AM Break (Exhibit Hall)				

Wednesday, December 11, 2024 (continued)

Concurrent Sessions - 10:45am - 12:30pm

Concurrent Sessions - 10:45am - 12:30pm					
	Session 21	Session 22	Session 23	Session 24	Session 25
	San Antonio	Sabine	TRINITY A	TRINITY B	PECOS
	Imagining How a National Nature Statistical Bureau Could Help Quantify Ecosystem Services	Nature-Based Solutions at DOI	Improving Consideration of Diverse Cultural Benefits in U.S. Federal Decision-Making	Tools and Approaches for Measurement and Valuation; EPA's HAWQs and BenSPLASH Models	One Health: A Joint SETAC/ACES Session on the interface of Ecosystem Toxicology and Services
	Lydia Olander Duke University	Liza Khmara U.S. Department of Interior, Office of Policy Analysis	Kristin Hoelting USGS	Hale Thurston US EPA	Jeff Steevens USGS
10:45am	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
10:50am	PANELISTS: Chris Hartley , US Department of Agriculture Ken Bagstad , US Geological Survey Emily Silverman , US Department of the Interior Regan Smyth , NatureServe	PANELISTS: Alisa Wade , U.S. Department of the Interior Sara Ward , U.S. Fish and Wildlife Service Courtney Schupp , National Park Service Jeff DeQuattro , The Nature Conservancy	Lucas Bair Receptivity to Diverse Cultural Benefits-Knowledges in the Glen Canyon Dam Adaptive Management Program	Joel Corona An Overview of the HAWQS and BenSPLASH Tools; Development and Use	Bryan Brooks Towards Precision Ecotoxicology: Embracing One Health to Advance the Science and the Practice
11:10am	Three major federal activities, the Conservation and Stewardship Atlas, Natural Capital Accounting, and National Nature Assessment highlighted the need for coordinated national nature data. This session will discuss options for more efficient, credible, interoperable, and automated nature data systems that clearly document the strengths and weaknesses of data while balancing data privacy and accessibility needs. The discussion will be of interest to those with a stake in improved data credibility and accessibility to facilitate quantification of and investment in ecosystem services.	Nature-based solutions (NBS) incorporate natural features and processes in ecosystem management to provide multiple benefits to nature and society. They serve as tools to deliver ecosystem services by addressing socio-environmental challenges. This panel will focus on the adoption of NBS by the U.S. Department of the Interior (DOI), discussing DOI's efforts to advance community and ecological resilience.	Erik Stanfield Making Navajo Cultural-Benefits-Knowledge Available to Inform the Glen Canyon Dam Adaptive Management Program	Baishali Bakshi The Water Quality Index: Bringing Water Quality to the Table	Daniel Schlenk One Health Approach for Evaluating Risks of Pharmaceuticals Discharged via a Norwegian Wastewater Treatment Plant in the Marine Environment
11:30am			Giselle Samonte Integrating Place-Based Understandings of Well-Being in NOAA National Marine Sanctuary Condition Reports	Matthew Heberling Estimating Avoided Drinking Water Treatment Costs from Improved Source Water Quality	Jeffery Steevens Linking Restoration Efforts to Ecosystem Services: The Case of Freshwater Mussels in Clinton River, Michigan
11:50am			Katie Wrubel Expanding Ecosystem Service Considerations in Olympic Coast National Marine Sanctuary	Chris Moore A National Study Valuing Ecological and Recreational Improvements in Water Quality	Li Li Model-Based Tandem Assessment of Human and Ecological Exposures to Environmental Chemicals
12:10pm			Discussion	Kristen Swedberg Disentangling Sources of Water Quality Variation in Property Sale Models	Charles Menzie Cumulative Impact Assessment and Actions in the Context of Environmental Justice
12:30pm-1:30pm	Lunch Buffet Provided in Exhibit Hall				

Wednesday, December 11, 2024 (continued)

Concurrent Sessions - 1:30pm - 3:15pm

	Session 26	Session 27	Session 28	Session 29	Session 30
	San Antonio	Sabine	TRINITY A	TRINITY B	PECOS
	Just and Resilient Landscapes: Green Infrastructure, Community, and Climate in Austin, TX	Longleaf for All: Working with Historically Underserved Landowners to Strengthen a Legacy of Resilience	Science and Art of Rangeland Ecosystem Management for Resilient Ecosystem Services	Restoration in the Great Lakes: Healing Ecosystems and Communities	Insights From the New Routledge Handbook on Cultural Ecosystem Services (CES)
	Pamela Abee-Tauli City of Austin, Texas	Tiffany Woods National Wildlife Federation	Wendy Flatt USDA-NIFA	Joel C. Hoffman US EPA	Deborah McGrath University of the South
1:30pm	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
1:35pm	<p>PANELISTS:</p> <p>Katherine Lieberknecht, University of Texas at Austin, Community & Regional Planning</p> <p>Marc Coudert, City of Austin, TX</p> <p>Frances Acuña, Go Austin / Vamos Austin</p> <p>Jana McCann, McCann Adams Studio</p> <p>This panel will focus on policy frameworks and planning approaches supporting integration of green infrastructure into urban development strategies, emphasizing the role of inclusive community engagement to ensure equitable access to benefits across diverse populations</p>	<p>PANELISTS:</p> <p>Shelby Diehl, National Wildlife Federation</p> <p>Jamelle Ellis, Theodore Roosevelt Conservation Partnership</p> <p>Herbert Hodges, Willie E. Hodges Family Farm</p> <p>This panel focuses on the collective work being done with historically underserved landowners and communities to address challenges, such as access to resources, legal counsel, financial markets, and outreach, and optimize opportunities for owning forested land through longleaf pine restoration. Our goal is to demonstrate the potential to engage in existing and emerging markets for forest ecosystems by highlighting the ecological, economic, and cultural advantages and resiliency of longleaf pine.</p>	<p>Jennifer Funk</p> <p>Applying Trait-Based Approaches to Restore Drought-Resilient and Invasion-Resistant Rangeland</p>	<p>Kathleen Torso</p> <p>Exploring Cumulative Environmental Factors on Health Outcomes with Tribal Nations in the Great Lakes Region</p>	<p>Beth Allgood</p> <p>Understanding and Supporting Cultural Ecosystem Services for Positive and Enduring Wildlife Conservation and Community Outcomes</p>
1:55pm			<p>Torre Hovick</p> <p>Restoring Dynamic Disturbance Processes to Promote Ecological Services</p>	<p>Molly Wick</p> <p>Waterfront Reconnection: Linking Ecosystem Restoration to Community Revitalization</p>	<p>Tatiana Marquina</p> <p>Methods to Measure Relative Importance of Cultural Ecosystem Services</p>
2:15pm			<p>Nancy Shackelford</p> <p>The Impacts of Heterogeneity on the Provision of Rangeland Ecosystem Services in Agricultural Restoration</p>	<p>Megan Dwyer Baumann</p> <p>Bringing Community Capacity into Conversation with Ecosystem Services and Equity in Great Lakes Coastal Communities</p>	<p>Kristin Hoelting</p> <p>Constraints and Enablers for Meaningful Consideration of Plural CES Values in Decision-Making</p>
2:35pm			<p>Christine Nieman</p> <p>Developing Resilient Grazing Systems for the Fescue Belt with Native Warm-Season</p>	<p>Joel Hoffman</p> <p>Benefits to Human Health from Improving Great Lakes Ecosystem Services</p>	<p>Deborah McGrath</p> <p>Cultural Ecosystem Services Enhance Investments in Other Ecosystem Services: Carbon Credits in Haiti</p>
2:55pm			<p>Perry Williams</p> <p>Sustaining Rural Livelihoods, Livestock Grazing, and Sage-Grouse Habitat in Western Sagebrush Systems</p>	<p>Discussion</p>	<p>Discussion of CES Book Themes with Co-presenters and Attendees</p>
3:15pm - 3:45pm	PM Break (Exhibit Hall)				

Wednesday, December 11, 2024 (continued)

Concurrent Sessions - 3:45pm - 5:30pm

Concurrent Sessions - 3:45pm - 5:30pm					
	Session 31	Session 32	Session 33	Session 34	Session 35
	San Antonio	Sabine	TRINITY A	TRINITY B	PECOS
	Unlocking Capital and Understanding Risk: The Business Case for Investing in Nature	Great Lakes Coastal Resiliency	Science of Cropland Ecosystem Management	Knowledge Production and Inclusive Decision-Making Through Community Engagement, Lessons Learned	Early Career Researchers in Ecosystem Services and Related Sciences
	Lauren Knight International Trade Administration	Nicole Zacharda Great Lakes Commission	Kaushlendra Tingi USDA-NIFA	Doreen E. Martinez Colorado State University	Erika Kraus USDA-NIFA
3:45pm	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
3:50pm	<p>PANELISTS: Ken Bagstad, USGS Tania Briceno, Intrinsic Exchange Group Laura Costadone, Institute for Coastal Adaptation and Resilience, Old Dominion University Ethan Aumann, American Property Casualty Insurance Association</p>	<p>PANELISTS: Jim Luke, US Army Corps of Engineers Stevie Adams, The Nature Conservancy Bridget Brown, Great Lakes and St. Lawrence Cities Initiative Chiara Zuccarino-Crowe, NOAA</p>	<p>Ian Kaplan Enhancing Arthropod-Mediated Ecosystem Services by Alleviating Key Stressors in Specialty Crop Production</p>	<p>Kenneth Kokroko Supporting Inclusive Community Engagement and Equitable Development in Underserved Communities: Lessons from Detroit's Joe Louis Greenway</p>	<p>Emma Rice Uncovering Cover Crop Mixture Root Abundance and Composition to Maximize Ecosystem Service Provisioning</p>
4:10pm	<p>This panel session focuses on why the private sector should consider investing in nature as a key source of untapped potential and provides a nuanced understanding of risks and opportunities. Panelists will bridge the gap between stakeholders who often operate on two different planes: those developing measurement and valuation practices and those who they hope will benefit (market participants) from these practices. Attendees will leave with a practical understanding of the current state of play and considerations for private sector players interested in investing in nature. This session is especially beneficial for attendees from the private sector and scientists/practitioners.</p>	<p>Through significant U.S. federal investment in the Great Lakes Restoration Initiative and state initiatives, federal and state agencies and Indigenous Nations are partnering with local governments and conservation organizations to build a resilient Great Lakes basin capable of withstanding the highs and lows predicted by our region's climate models.</p>	<p>Srinivasulu Ale Enhancing Soil Health and Ecosystem Services Through Pasture Cropping</p>	<p>Alexander Martin Wildfire Risk Reduction in the Wildland-Urban Interface: Conflicts, Politics, and Urban Ecology</p>	<p>Molly Levy Examining the Influence of Diverse Stakeholder Collaboration on Land Management & Agricultural Sustainability in the Thunder Basin Ecoregion</p>
4:30pm			<p>Wenjuan Huang A Trade-Off Between Soil Carbon Storage and Nitrogen Supply in a Diversified Cropping System</p>	<p>Jeffrey Thomas Acknowledging Native Land Ethics & Uses in South-Central Puget Sound</p>	<p>Haley Netherton-Morrison Regional Place Meanings as Precursors to Attitudes Toward Socioeconomic Change</p>
4:50pm			<p>Humberto Blanco Planting Green to Improve Ecosystem Services in Row Crop Production Systems</p>	<p>Simone Maynard Ecosystem-Based Adaptation to Climate Change of Indigenous Women in Indonesia (Sumatra) and Australia (Queensland)</p>	
5:10pm			<p>Stacy Philpott Ecological Networks, Management Shifts, and Ecosystem Services in Urban Agroecosystems</p>	<p>Chloe Jackson Reviewing the Recruitment and Qualitative Methods in Deliberative Valuation Experiments</p>	Discussion Period
5:30pm - 7:00pm	<p>Poster Session and Networking Social (Exhibit Hall)</p> <p>Poster presentations play a key role in the exchange of information. Considerable time is dedicated to viewing them, giving scientists, policy makers, planners, practitioners and managers valuable opportunities to interact and share details of their work, successes and lessons learned. Don't miss this opportunity to network with colleagues and learn more about national and global ecosystem services.</p>				

Thursday, December 12, 2024

7:30am-11:30am	Conference Registration Open Space is Available for Impromptu Meetings				
7:30am-8:30am	Morning Refreshments (Exhibit Hall)				
Concurrent Sessions - 8:30am - 10:15am					
	Session 36	Session 37	Session 38	Session 39	Session 40
	San Antonio	Sabine	TRINITY A	TRINITY B	PECOS
	Metrics and Data Needs for Nature-Based Solutions Monitoring, Evaluation, and Design Guidance	Nature Based Solutions	Translation of Ecosystem Service Science to Action	The Power of Connection: Integrated Set of Tools For Ecosystem Analysis	Equity in Ecosystem Services
	Lydia Olander Duke University	Erika Kraus USDA-NIFA	Adam Wilke USDA-NIFA	Leah Sharpe US EPA	Kristin Hoelting USGS
8:30am	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
8:35am	<p>PANELISTS:</p> <p>Ellen Bolen, National Fish and Wildlife Foundation Vamsi Krishna Sridharan, Tetra Tech Todd Jones-Farrand, US Fish and Wildlife Service</p> <p>This session will bring together NBS practitioners, planners, and researchers to explore various needs for evaluating NBS, so we can learn and build better over time. Our goal is to instigate a discussion on what a national strategy to collect data on the effectiveness of NBS would look like.</p>	<p>Katie Warnell Evaluation of Publicly Accessible Nature-Based Solutions Databases as Sources for Evidence of Effectiveness</p>	<p>Kari Veblen Protecting Rangelands in a Changing Climate: Using a Heritage Cattle Breed to Maintain Ecosystem Function under Livestock Production</p>	<p>Susan Yee The Final Ecosystem Goods and Services (FEGS) Document Reader: A Tool to Extract, Identify, and Prioritize Ecosystem Services and Their Beneficiaries from Documents</p>	<p>Libby Kula How Equitably Are Ecosystem Services Distributed in U.S. Metropolitan Areas?</p>
8:55am		<p>Laura Costadone Ecological and Socio-Economic Valuation of the Ecosystem Services Provided by a Multifunctional Green Infrastructure for Flood Mitigation</p>	<p>Jacob Lucero A Biogeographic Contrast of Invasive <i>Bromus tectorum</i> Abundance and Management in its Native vs. Non-native Ranges</p>	<p>Kristen Rappazzo The Eco-Health Relationship Browser through the National Ecosystem Services Classification System Plus Framework.</p>	<p>Season Martin The Colorado River Basin Post-2026 Operations Exploration Tool: Using Decision Making under Deep Uncertainty Methods in a Web-Based Decision Support Tool to Connect Policymakers and Stakeholders</p>
9:15am		<p>Erin Mackey The Economic Benefits of Natural Climate Solutions in Minnesota</p>	<p>Jodi Brandt Developing a Systematic Approach to Protecting Farmland and Ecosystem Services in the Western United States</p>	<p>Leah Sharpe The Ecosystem Service Gradient: An Integrated Approach for Describing Shifts in Ecosystem Service Production</p>	<p>Chloe Wardropper Midwestern USA Farmers' Perceptions of Distributive Justice in Voluntary Soil Carbon Markets</p>
9:35am		<p>Carson Risner Ecological Economics for Community-Driven Solutions: Lessons for Integrating Equity in Ecosystem Services Valuation Through Pro Bono Partnerships</p>	<p>Ashley Larsen Integrating Multidisciplinary Approaches to Understand Ecosystem Services in Changing Agricultural Landscapes</p>	<p>Tammy Newcomer-Johnson Using Ecosystem Service Tools in Environmental Justice Community Development Projects</p>	<p>Mary Allen Valuing the Monetary and Non-Monetary Ecosystem Services of U.S. Coral Reefs</p>
9:55am		<p>Discussion</p>	<p>Nouman Afzal Using Values-Informed Mental Models to Understand Farmer, Policy Actor, and Scientist Use and Perceptions of Hydrologic Models</p>	<p>Richard Fulford Integrated Response to Flood Resilience Planning Based on Ecosystem Services and an Eco-Decisional Network.</p>	<p>Marley Bonacquist-Currin The Value of Conservation: A Stated-Preference Study of Community Values and Priorities for Habitat Restoration Along the Pacific Flyway</p>
10:15am-10:30am	AM Break [Grand Ballroom A – Atrium Level/Lobby Level] [NOTE: This is a 15-minute break.]				

Thursday, December 12, 2024 (continued)

10:30am-12noon

Closing Plenary Session
The U.S. National Nature Assessment and the Canadian Perspective
(Grand Ballroom A – Atrium Level/Lobby Level)

Moderator:

Dr. Marc Russell, U.S. Environmental Protection Agency, Gulf Breeze, FL

Speakers & Discussants:

Dr. Lydia Olander, Program Director
Nicholas School of the Environment, Duke University, Durham, NC

Dr. Deborah McGregor, Associate Professor & Canada Excellence Research Chair
Indigenous Knowledge and Planetary Well Being, Faculty of Science
University of Calgary, Calgary, Alberta

Dr. Christopher G. Hartley, National Nature Assessment Federal Steering Committee Member,
U.S. Department of Agriculture (USDA), Washington, D.C.

12noon

Sponsors and Poster Presenters Dismantle Displays

Conference Concludes