



US - IALE

MONDAY, APRIL 9 2018 ♦ 10:00 AM – 12:00 PM ♦ TECHNICAL SESSION & SYMPOSIA OVERVIEW

	THE HANCOCK PARLOR	LASALLE 5 (7 <sup>th</sup> Floor)	SPIRE PARLOR	ADAMS	WATER TOWER PARLOR	GRANT PARK PARLOR	LASALLE 1 (7 <sup>th</sup> Floor)	LASALLE 2 (7 <sup>th</sup> Floor)
	<b>S01: CONSERVATION AND COLLABORATION WITHIN THE URBAN MATRIX</b>	<b>S02: TELECOUPLING FOR SUSTAINABLE DEVELOPMENT AND CONSERVATION</b>	<b>S03: DESCRIBING &amp; ANALYZING LANDSCAPE PATTERNS</b>	<b>S04: BEHAVIORAL LANDSCAPE ECOLOGY</b>	<b>S05: RIPARIAN LANDSCAPE ECOLOGY</b>	<b>T01: LAND USE/ LAND COVER CHANGE</b>	<b>T02: TERRESTRIAL-AQUATIC ECOSYSTEM INTERACTIONS</b>	<b>T03: PEOPLE AND LANDSCAPES</b>
	<b>Moderator: Daniel Suarez</b>	<b>Moderator: Kelly Kaspar</b>	<b>Moderator: Jim Wickham</b>	<b>Moderators: Laura D'Acunto &amp; Daniel Bampoh</b>	<b>Moderator: Jessica Salo</b>	<b>Moderator: Andrew Elmore</b>	<b>Moderator: Carol Johnston</b>	<b>Moderator: Esther Parish</b>
10:00 AM	<b>Darling, Lindsay</b> Connecting a Fragmented Landscape in the Chicago Region: Restoring a Legacy of Oak Ecosystems	<b>Torres, Aurora</b> The Global Sand Crisis Through the Lens of the Telecoupling Framework	<b>Frazier, Amy</b> History and Trends of Describing and Analyzing Landscape Patterns: Where Are We Now?	<b>OPEN</b>	<b>Salo, Jessica</b> Recent History of South Platte River Riparian Ecosystem and Channel Change	<b>He, Yifan</b> Identifying Drivers Behind Deforestation in Guarayos Indigenous Territory, Eastern Bolivia from 1997 to 2017	<b>Johnston, Carol</b> Croplands Are Nibbling Away at Prairie Pothole Wetlands	<b>Bosarge, Jeanett</b> Using an Unmanned Aerial Vehicle to Characterize Spatiotemporal Patterns of Recreational Use Along the San Marcos River, Texas, USA
10:15 AM	<b>Spyreas, Greg</b> Twenty Years of Changes in Floral Resources Across Urban and Rural Midwestern North America	<b>Chung, Min Gon</b> Balancing Built and Natural Infrastructure for Sustainable Freshwater Supply to the World's Cities	<b>Vogt, Peter</b> Satellite-based Accounting of Forest Area and Fragmentation	<b>Powell, Roger</b> Insights from Estimating Home Ranges Using Different Currencies and Incorporating How Animals Perceive Their Environments	<b>Meitzen, Kimberly</b> Spatial Patterns of Riparian and Geomorphic Disturbance Following Catastrophic Record Flooding on the Blanco River, Texas, USA	<b>Crank Huffman, Connor</b> Land Use and Cover Change Within a Typical Midwest Watershed in Relation to Socio-Ecological Factors	<b>Gorzo, Jessica</b> Mallard Distribution and Wetland Network Modularity in the Prairie Pothole Region (PPR)	<b>Morzillo, Anita</b> Place-based Characteristics Defining Trajectories of Rural Forest-based Communities
10:30 AM	<b>Goad, Rachel</b> Putting Collaboration to Work: Long-term Monitoring and Conservation of Rare Plants and Fungi in the Chicago Wilderness	<b>Zaehring, Julie</b> Operationalizing the Telecoupling Concept to Assess Land System Regime Shifts, Land Use Decision Making, and Impacts on Human Well-being in Tropical Forest Frontier Landscapes	<b>Nowosad, Jakub</b> Describing Landscapes by Statistics of Local Pattern Features: Application to Landscape Regionalization, Change and Search	<b>Fortin, Marie-Josée</b> Hypergraph Models of Interactive Effects in Dispersal Networks	<b>Manning, Aspen</b> Natural Succession and Riparian Forest Recovery Following a Major Flood on the Blanco River, Texas	<b>Shang, Chenwei</b> Spatiotemporal Patterns and Environmental Impacts of Land Use and Land Cover in a Grassland Landscape: The Wulagai River Basin in Inner Mongolia, China	<b>Marr, Paul</b> Monitoring the Restoration of High-Altitude Peat-forming Cushion Bogs (bofedales) in Northern Chile Using MODIS	<b>Steele, Meredith</b> Towards a Taxonomy of Cities: The Land Cover Composition of United States Urban Areas
10:45 AM	<b>Ribic, Christine</b> Defining Neighborhoods to Optimize the Effectiveness of Landscape-Scale Grassland Bird Conservation	<b>Li, Yingjie</b> Impacts of International Trade on Global Sustainable Development	<b>Corry, Robert</b> Challenges of Measuring Short-term Dynamics of Agricultural Landscape Patterns	<b>Vieira, Marcus</b> Fine-Scale Elements of the Matrix and the Success of Inter-Patch Movements in Fragmented Landscapes	<b>Van Appledorn, Molly</b> Inundation Dynamics of the Upper Mississippi River Floodplain	<b>Perotto-Baldivieso, Humberto</b> The Gradient Concept of Landscape Structure for Wildlife Habitat in Rangelands	<b>Zeigler, Sara</b> Predicted Ecosystem State Changes Due to Sea-level Rise on Fire Island, New York	<b>Ayon, Abel</b> Can Urban Birds Have a Positive Effect on Neighborhoods Well-Being?
11:00 AM	<b>Miller, Nat</b> Using Bird Abundance Models and Ecosystem Services Valuations to Inform Grassland Bird Conservation in an Urban Context	<b>Park, Sohyun</b> Applicability and Implications of Telecoupling Framework on Rangeland Ecosystem Services	<b>Read, Quentin</b> Measuring Geodiversity to Explain Biodiversity: What Is the Effect of Spatial Grain and Spatial 'Consciousness?'	<b>Merrill, Evelyn</b> From Animal Movement to Management: Predator-Prey Interactions	<b>De Jager, Nathan</b> Simulating the Effects of Flood Inundation on Forest Succession in the Upper Mississippi River Floodplain Using the LANDIS-II Modelling Platform	<b>Allington, Ginger</b> Mapping Dynamic Processes in Arid Rangelands	<b>Lentz, Erika</b> Forecasting Sea-level Rise Impacts on Coastal Landscapes	<b>Rakoto Ratsimba, Harifidy</b> Understanding Change and Willingness to Change in Stakeholders' Forest Management in the Northeast Humid Rainforest of Madagascar
11:15 AM	<b>Suarez, Daniel/Beilke, Stephanie</b> Analyzing Land Management Regimes to Inform Grassland Bird Conservation in the Chicago Wilderness Region	<b>Carlson, Andrew</b> Telecoupled Fisheries: Insights and Applications for Sustainability	<b>Tarr, Nathan</b> USGS Gap Analysis Project Habitat Maps: Prospects for Multi-Species, Multi-Scale Assessments of Habitat Fragmentation	<b>Fletcher, Robert</b> Uniting Behavior and Demography to Predict Connectivity in Space and Time	<b>Theobald, David</b> Assessing Current Stressors and Future Threats to Riparian Ecosystems Using a Hydro-Geomorphic Classification of Valley Bottoms	<b>Elmore, Andrew</b> Stressors, Conditions, and Management Responses: An Environmental Report Card for the Tennessee River Basin	<b>Basso, Georgia</b> Land Cover Change: Understanding Impacts to Ecosystem Services in the Long Island Sound National Estuary	<b>Lacher, Lara</b> Integrating Stakeholder Feedback with Land Use Change Models to Predict Future Scenarios of Forest Loss and Landscape Configuration
11:30 AM	<b>Wilsey, Chad</b> Global Reduction in Greenhouse Gas Emissions Diminishes Climate Change Vulnerability of Grassland Birds	<b>Du, Yueyue</b> Water Security Dynamics and Scenarios Along the New Silk Road: The Telecoupling Case Study	<b>Zhao, Yun</b> Developing 3D Spatial Pattern Metrics to Describe and Analyze the Urban Environment	<b>Bampoh, Daniel</b> Simulating the Relationship Between Movement Behavior of Dispersing Animals and the Distribution of Active Subsidies	<b>Girard, Amanda</b> A Comparative Analysis of Structural Characteristics in Old-Growth Coastal Temperate Floodplain Forests	<b>Ma, Qun</b> Impacts of Surface Coal Mining on the Environment in the Mongolian Plateau	<b>Basso, Georgia</b> Advancing Coastal Habitat Resiliency Through Landscape Metrics and Assessment	<b>Parish, Esther</b> Investigating the Sustainability of Southeastern United States' Wood Pellet Production
11:45 AM	<b>Mulligan, Matthew</b> Evaluating Small Mammal Community Composition, Stress, and Health Across an Urban to Exurban Gradient in the Chicago Metropolitan Area	<b>McCord, Paul</b> The Telecoupling GeoApp: A Web-GIS Application to Systematically Analyze Telecouplings and Sustainable Development	<b>Riitters, Kurt</b> Amount and Adjacency Are the Two Most Fundamental Aspects of Pattern	<b>D'Acunto, Laura</b> SODA-POP: Building Population-Level Functionality into a Spatially-Explicit Individual-based Model of Human Disturbance on Animals		<b>Vogler, John</b> Tracking Our Human Footprint: Trends in U.S. Land Consumption and Use Efficiency in the Urban Millennium	<b>Kopp, Darin</b> Regional Differences in Stream Network Geometry Mediate the Spatial Patterning and Extent of Aquatic-derived Resources in Terrestrial Environments	



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MONDAY, APRIL 9 2018

◆ 1:30 PM – 3:00 PM

◆ TECHNICAL SESSION & SYMPOSIA OVERVIEW

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	<b>S01: CONSERVATION AND COLLABORATION WITHIN THE URBAN MATRIX</b>	<b>S02: TELECOUPLING</b>	<b>S03: DESCRIBING &amp; ANALYZING LANDSCAPE PATTERNS</b>	<b>S04: BEHAVIORAL LANDSCAPE ECOLOGY</b>	<b>T05: URBAN/EXURBAN LANDSCAPE ECOLOGY</b>	<b>S06: GEOSPATIAL CITIZEN SCIENCE INITIATIVES</b>	<b>S07: VISUALIZING ECOSYSTEM FUTURES (LIVE!)</b>	<b>T04: INSECT &amp; DISEASE OUTBREAKS</b>
	<i>continued</i>	<i>continued</i>	<i>continued</i>	<i>continued</i>				
	<b>Moderator: Stephanie Beilke</b>	<b>Moderator: Hongbo Yang</b>	<b>Moderator: Kurt Riitters</b>	<b>Moderators: Laura D'Acunto &amp; Daniel Bampoh</b>	<b>Moderator: Daniel Childers</b>	<b>Moderator: Stephanie Tomscha</b>	<b>Moderator: Rob Scheller</b>	<b>Moderator: Barry Cooke</b>
<b>1:30 PM</b>	<b>Gnaedinger, Karl</b> The Prevalence, Status, and Stewardship of Conservative Prairie and Sand Savanna Insects in the Chicago Wilderness Region	<b>Hertzberger, Anna</b> Telecoupled Management Decisions Affect Soil Health	<b>Pickard, Brian</b> Measuring the Configuration Accuracy of Land Change Simulations Using Metrics Relevant to Landscape Ecology and Land Change Science	<b>Clare, John</b> Assessing Spatiotemporal Behavioral Resource Matching with Joint Sensor Networks	<b>Childers, Daniel</b> Urban Ecological Infrastructure as a Bridge Between Urban Ecology and Landscape Ecology	<b>Gergel, Sarah</b> A Brief Look Forward to Participatory Mapping in Landscape Ecology	<b>Scheller, Robert</b> Visualizing Spatial Resilience Under Climate Change	<b>Gill, Nathan</b> Relationships Between Ground Cover and Post-Fire Conifer Regeneration Depend on Pre-Fire Disturbance History
<b>1:45 PM</b>	<b>Rodriguez-Gonzalez, Mayra</b> Provisioning and Accessibility of Ecosystem Services Within the Chicago Region	<b>Bicudo da Silva, Ramon Felipe</b> Flows of Eucalyptus Cellulose Pulp Affect Atlantic Forest Adjacent Spillover Systems in Southeastern Brazil	<b>Peterman, William</b> Understanding How Landscape Features Affect Gene Flow: Advances in Resistance Surface Optimization for Landscape Genetics Studies	<b>Orrock, John</b> How Invasive Plants Alter Foraging and Space Use by Animals	<b>Daley, Christine</b> Parcelization in the Exurbs: A Case Study in Butler County (OH) from 2004 to 2014	<b>Tomscha, Stephanie</b> Integrating Biophysical Models and Participatory Mapping to Understand Ecosystem Service Trade-Offs at the Aquatic-Terrestrial Interface	<b>Millar, Garrett</b> Hands-on Methods for Teaching Landscape Form and Processes	<b>Larroque, Jeremy</b> Temporal Variation in Spatial Genetic Structure During Population Outbreaks
<b>2:00 PM</b>	<b>Pavlovic, Noel</b> Processes Controlling the Pattern of Presettlement Vegetation in the Landscape of the Southern Tip of Lake Michigan	<b>Dou, Yue</b> Understanding Local Land Use Changes in the Context of Global Trade Telecoupling	<b>Gillies, Robert</b> Imaging of Habitats in Cancer: Life at the Edge	<b>Pauli, Benjamin</b> Forecasting the Effects of Human Disturbance on Golden Eagles: Tolerance Cannot Mitigate Negative Effects of Increased Recreation on Wild Lands	<b>Ren, Yin</b> Quantifying the Influences of Various Ecological Factors on Land Surface Temperature of Urban Forests	<b>Selgrath, Jennifer</b> Area Accumulation Curves Can Improve Participatory Mapping	<b>Smithwick, Erica</b> Interactive Videos Enhance Learning About Socio-Ecological Systems	<b>Sturtevant, Brian</b> Integrating Moth Flight Biophysics with Independent Validation Data to Model Atmospheric Dispersal of the Eastern Spruce Budworm
<b>2:15 PM</b>	<b>Plotnick, Roy</b> Historical Extirpations in Chicago Area Wetlands and Water Bodies	<b>Petrie, Matthew</b> Regional Impacts of Wet Periods in a Telecoupling Framework	<b>Eiseman, Jonathan</b> Assessing the Performance of Different Sampling Schedules in Capturing the Temporal Complexity of Soundscapes	<b>Egan, Michael</b> Dominant Coyotes Impact Gray Fox Occupancy Across the Eastern U.S.	<b>Ziter, Carly</b> Bicycle-based Measurement of the Intra-Urban Heat Island: Effects of Landscape Context on Fine-Scale Summer Air Temperature in Madison, WI	<b>McLain, Rebecca</b> A Tale of Two Forests: Mapping Cultural Ecosystem Services in Central Oregon Using Public Participation GIS	<b>Gaydos, Devon</b> Managing Forest Disease Spread with Tangible Landscape Technology	<b>Germain, Marion</b> Insectivorous Birds as Indicators of Future Defoliation by the Spruce Budworm
<b>2:30 PM</b>	<b>Gharehaghaji, Maryam</b> 35 Years of Community Change in Temperate Forest in Illinois	<b>Pizarro, J. Cristobal</b> The Identification of Opportunities for Conservation and Sustainable Tourism at the End of the World, Using a "Telecoupling Mentality"	<b>Gao, Peichao</b> Computation of the Boltzmann Entropy of a Landscape Pattern: The State of the Art	<b>Gerdes, Cheyenne</b> A Comparison of Myotis Roost Habitat Suitability in Forest-Dominated and Agriculture-Dominated Landscapes	<b>Wang, Jing</b> Quantifying and Characterizing the Dynamics of Urban Greenspace at the Patch Level: A New Approach Using Object-based Image Analysis	<b>Vukomanovic, Jelena</b> FUTURES in Their Hands: Participatory Modeling of Land Change in Coastal South Carolina	<b>Vickers, Dennis</b> Seeing Visualizing the Effects of Climate Change on Future Forests Through the Lens of the Menominee Theoretical Model of Sustainability	<b>Cooke, Barry J.</b> Fragmentation of Forest Host Disrupts Cycling Behavior of Defoliator Outbreaks: Evidence from Spruce Budworm and Forest Tent Caterpillar in a Heterogeneous Mixedwood Landscape
<b>2:45 PM</b>	<b>Grundel, Ralph</b> Is Community Diversity Maximization a Suitable Goal for Landscape Composition?	<b>Kapsar, Kelly</b> Quantifying the Spatio-Temporal Distribution of Marine Vessel Traffic in the Bering Sea	<b>Panel Discussion</b>	<b>Rushmore, Karly</b> Changes in the Landscape-Level Habitat Selection of Forest Bats Within Human-Modified Landscapes	<b>Treglia, Michael</b> Greenspaces Over Our Heads: Mapping Green Roofs and Understanding Their Benefits in New York City	<b>Quintas Soriano, Cristina</b> Social-Ecological Systems Dynamics and Social Perceptions Toward Ecosystem Services	<b>Tabrizian, Payam</b> 3D Visualization of Landscape Change Scenarios with Real-time Tangible Interaction	<b>Jones, Chris</b> Forecasting Long-term Interactions Between Forest Fire and Disease Disturbances Using Coupled Dynamic Spatial-temporal Epidemiological Modeling
<b>3:00 PM – 3:30 PM COFFEE BREAK ◆ 6<sup>th</sup> Floor Foyer</b>								



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MONDAY, APRIL 9 2018 ♦ 3:30 PM – 5:00 PM ♦ TECHNICAL SESSION & SYMPOSIA OVERVIEW

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	<b>S08: MONITORING &amp; RESTORATION OF THE NATION'S LARGEST URBAN NATURAL AREAS</b>	<b>S02: TELECOUPLING</b>	<b>T06: LANDSCAPE PATTERN &amp; PROCESS</b>	<b>S04: BEHAVIORAL LANDSCAPE ECOLOGY</b>	<b>T05: URBAN/EXURBAN LANDSCAPE ECOLOGY</b>	<b>S06: GEOSPATIAL CITIZEN SCIENCE INITIATIVES</b>	<b>S07: VISUALIZING ECOSYSTEM FUTURES</b>	<b>T07: INSECT ECOLOGY</b>
	Moderator: Greg Spyreas	Moderator: Yue Dou	Moderator: Yangfan Li	Moderators: Laura D'Acunto & Daniel Bampoh	Moderator: Daniel Childers	Moderator: Stephanie Tomscha	Moderator: Rob Scheller	Moderator: Barry Cooke
3:30 PM	<b>Matthews, Jeffrey</b> Linking Long-term Wetland Restoration Outcomes to Landscape Conditions via Standardized Vegetation Monitoring	<b>Garrett, Rachael</b> Assessing the Potential Influence of Zero-Deforestation Commitments on Tropical Land Cover	<b>Shea, Monika</b> Are Ecotones Zones of Intermingling or Interdigitation? Pattern and Scale of Tree Species Co-occurrence in Wisconsin's Tension Zone	<b>Zollner, Patrick</b> Individual Based Modeling of Dispersal by an Endangered Carnivore Can Simultaneously Be Pragmatic and Paradigmatic	<b>Gallo, Travis</b> Multiple Spatial Scales Predict Species-Habitat Relationships of Urban Bats: Implications for Urban Reconciliation	<b>Yang, Di</b> Contributions of Citizen Science to Regional Landscape Ecology: Using OpenStreetMap to Estimate the Impact of Hurricane Harvey on Different Land-Use Types	<b>Taylor, Alan</b> An Immersive Experience of Wildfire Use for Ecological Restoration in the Ishi Wilderness, Southern Cascades, California	<b>Mahon, Michael</b> Spatial Variation in Diversity and Composition of Canopy Spiders in Eastern Deciduous Forests
3:45 PM	<b>Baer, Sara</b> Designing Restorations to Inform Conservation Practice and Ecological Theory: Lessons from Long-term Studies in Tallgrass Prairie	<b>Furumo, Paul</b> Local Adoption of Sustainability Governance in Telecoupled Systems: Certification in the Colombian Oil Palm Sector	<b>Li, Yangfan</b> Early Warning Signal of Landscape Connectivity and Resilience Towards Natural Climate Solutions	<b>Cornelius, Cintia</b> Inter-Population Variation of Dispersal Related Traits in a Neotropical Forest Bird: A Chance for Biodiversity Persistence in Fragmented Landscapes?	<b>Murray, Maureen</b> Small Mites, Big City: Using Large-Scale Wildlife Camera Monitoring to Examine the Spatio-Temporal Dynamics of Sarcoptic Mange in Chicago's Urban Coyotes	<b>Di Lucia, Lorenzo</b> Designing Landscapes for Sustainable Outcomes: The Case of Advanced Biofuels	<b>Klippel, Alexander</b> Immersive Experiences for Grounding Environmental Decision Making	<b>Silbernagel, Janet</b> Local and Landscape Factors Influence Bumble Bee Foraging Dynamics in a Resource Pulse Landscape
4:00 PM	<b>Meiners, Scott</b> Succession in a Human-Dominated Landscape: Lessons Learned for Land Management	<b>Hovis, Ciara</b> The Effect of Global Food Trade on Biodiversity in an Importing Country	<b>Bonefont, Kristopher</b> Relationships Between the Ecological Strategies of Persistent Plant Communities and Spatial Configuration of Sites Within a Landscape	<b>Kidd, Anjelika</b> Space Use and Habitat Use of a Nomadic Wading Bird Varies by Season and Degree of Urbanization	<b>Ibsen, Peter</b> Continental Scale Variation in the Cooling Effect of Urban Vegetation	<b>Julian, Jason</b> Social Demand and Cross-Scale Interactions in a Riverine Social-Ecological System	<b>Johnson, Lucinda</b> Using a Digital Natural Resource Atlas to Enhance Communication and Effective Decision Making	<b>Riva, Federico</b> Local and Landscape Determinants of the Rare Cranberry Blue Butterfly What Matters, and How Much Does the Landscape Matter?
4:15 PM	<b>Damschen, Ellen</b> Balancing Data Collection Across Spatial and Temporal Scales to Detect Community Change Over Time	<b>Huang, Ta-Ken</b> Migratory Wildlife Link People and Ecosystems Over Distances	<b>Avdieiev, Stanislav</b> Local Environmental Constrains and Chronic UV Exposure as Key Regulators of Normal Keratinocytes Immortalization and Transformation	<b>Peterson, Jacob</b> Response of Lesser Prairie-Chickens to Anthropogenic Structures During Long-Distance Movements	<b>Huilei, Li</b> Analyzing the Interannual and Seasonal Characteristics of Urban Heat Island and Its Influence Factors : A Case Study in Wuhan, China	<b>Buchholtz, Erin</b> Sharing the Savanna: Patterns of Hardwood Resource Utilization by Humans and Elephants in Northern Botswana	<b>Kuhn, Anne</b> Using a Landscape Approach to Strengthen Resiliency in Coastal Watersheds	<b>Blackmore, Pamela</b> Butterflies, Tallgrass Prairie, and Green Roofs
4:30 PM	<b>Fraterrigo, Jennifer</b> The Roles of Land-use History and Landscape Context in Shaping Plant Successional Trajectories	<b>Synthesis and Discussion</b>	<b>Taylor, Benjamin</b> Differing Road Effects on Plant Invasion in Various Landscape Settings	<b>Forester, James</b> When It's Too Hot to Eat: Moose Alter Movement Behavior and Diet in Response to Changing Landscapes and Climate	<b>Smith, Alexis</b> Cavity-nesting Birds in Chicago's Cemeteries	<b>Lookingbill, Todd</b> Community-Engaged Science and Art: Richmond National Battlefield Bioblitz	<b>Schulte Moore, Lisa</b> People in Ecosystems/Watershed Integration (PEWI): A Dynamic Land-use and Ecosystem Service Tradeoffs Assessment Tool	<b>Kantola, Tuula</b> Niche Modeling of Eastern Monarch Butterfly Roadkill Mortality from Oklahoma to Mexico
4:45 PM	<b>Panel Discussion</b>		<b>Arias Medellin, Luis</b> Differential Effect of Habitat Loss and Fragmentation on Pollinators and Seeds Dispersers of Heliconia Tortuosa in Costa Rica	<b>Malone, Margaret</b> Reefscapes of Fear: Effects of Habitat Quality and Predation Risk on Coral Reef Fish			<b>Tabrizian, Payam</b> Using LiDAR and Immersive Geovisualization to Develop and Validate Viewscape Models for Urban Landscape	<b>Kissick, Ashley</b> Mapping Functional Diversity
5:00 PM				<b>Panel Discussion</b>				
<b>5:30 – 7:00 PM POSTER SESSION &amp; SOCIAL ♦ MONROE ROOM</b>								



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	<b>S10: Ecological and Social Perspectives on Urban Vacant Lots</b>	<b>T09: Conservation and Restoration Planning</b>	<b>T10: Invasive Species</b>	<b>S09: Challenges and Opportunities of Crowd-Sourced and Social Media Data</b>	<b>T11: Disturbance Legacies and Resilience</b>	<b>T08: Urban and Regional Planning</b>	<b>T12: Aquatic, Coastal and Marine Animals</b>	<b>T13: Belowground Processes</b>
	<b>Moderator: Elsa Anderson</b>	<b>Moderator: Rose Graves</b>	<b>Moderator: Kathryn Baer</b>	<b>Moderator: Ginger Allington</b>	<b>Moderator: Brian Buma</b>	<b>Moderator: Zach Vernon</b>	<b>Moderator: Morgan Pfeiffer</b>	<b>Moderator: Gavin McNicol</b>
10:00 AM	<b>Shuster, William</b> Not So Vacant? Evaluating Vacant Lots as Passive Green Infrastructure for the Rendering of Hydrologic Ecosystem Services	<b>Williamson, Matthew</b> Improving the Utility of the National Conservation Easement Database Using Hierarchical Mixture Models	<b>Curtis, Caroline</b> Dense Landsat Time Series Reveal Spatial and Temporal Patterns of Non-Native Pine Invasion in Chile	<b>Lopez, Bianca</b> Check out That Bird! Observations of Birds in Chicago from Social Media and Crowd-Sourced Data	<b>Dale, Virginia</b> Risk and Resilience in an Uncertain World	<b>Liu, Yanxu</b> A Solution to the Conflicts of Multiple Planning Boundaries: Landscape Functional Zoning in a Resource Based City of China	<b>Hanks, Daniel</b> Understanding Influences of Landscape on Aquatic Fauna Across the Central and Southern Appalachians	<b>Scaife, Charles</b> Understanding Spatial Soil Moisture as a Driver of Ecohydrological Processes: Does One Relationship Rule Them All?
10:15 AM	<b>Feng, Yuanqiu</b> Urban Landscape Heterogeneity and Variation in Green Infrastructure on Vacant Lots	<b>Fouch, Nakisha</b> Variation in Human Influence in Conservation Easements Among U.S. Counties: Development of a Methodology	<b>Nunez-Mir, Gabriela</b> Understanding the Effect of Beta Diversity on Invasibility Across Scales	<b>Sachdeva, Sonya</b> Social Media in Psychological Research	<b>Gagné, Caroline</b> How Is Community Structure of Southern Québec Temperate Forest Affected by Land-uses of the Last 80 Years?	<b>Musacchio, Laura</b> Ecologies as a Complement to Ecosystem Services? Exploring How Landscape Planners Might Advance Understanding About Human-Nature Relationships	<b>Schilke, Paul</b> Resource Shifts as a Function of Lake Proximity Affect Songbird Communities in a North Temperate Forest	<b>Shu, Shijie</b> Roles of Soil Methane Dynamics on Contemporary and Future Global Natural Methane Emission
10:30 AM	<b>Arodudu, Oludunsin</b> Towards a More Holistic Framework for a Health-led Approach at the Green and Blue Infrastructure and Human Health Interface	<b>Graves, Rose</b> Quantifying the Contribution of Conservation Easements to Landscape-scale Conservation Goals	<b>Baer, Kathryn</b> Scale-Dependent Correlates of Invasive Species Presence in Western U.S. Forests	<b>Killion, Alexander</b> A Hierarchical Bayesian Analysis of the Trends in Saliency of Gray Wolf Media over 55 Years	<b>CANCELLED: Mladenoff, David</b> Toward Quantifying Both Extent and Severity of Historic Forest Disturbance	<b>Luo, Fanghan</b> Assessing Landscape Ecological Risk in Metropolitan Areas Through an Adaptive Cycle Framework	<b>Surasinghe, Thilina</b> Influences of Forest Management on Southern Appalachian Stream Salamanders	<b>McNicol, Gavin</b> Meso-Scale Drivers and Stocks of Soil Organic Carbon in Temperate Rainforests, and a Spatially Explicit Assessment of Carbon
10:45 AM	<b>Johnson, Anna</b> Impacts of Seed Pool Diversity on Established Plant Community Diversity in a Long-term Vacant Lot Management Experiment	<b>Haight, Jeffrey</b> Systematically Prioritizing Landscape Conservation on the Basis of Climatic Vulnerabilities	<b>Jo, Insu</b> Relationship Between Dominant Forest Mycorrhizal Type and Understory Invasions in Eastern U.S. Forests	<b>Knouft, Jason</b> Improving High Performance Super Computer Aquatic Ecosystem Models with the Integration of Real-time Citizen Science Data	<b>Cassell, Brooke</b> Under Extreme Weather Conditions, Dry Mixed-conifer Forests in the Western U.S. Benefit from Spatial Optimization of Fuel Treatments	<b>Sanchez, Georgina</b> Forecasting Urbanization and Future Water Demands of a Rapidly Growing Megaregion	<b>Swartz, Timothy</b> Integrating Historical, Ecological, and Social Data to Understand Patterns of Amphibian Occupancy and Habitat Availability in an Agroecosystem	<b>Sun, Long</b> Changing Patterns of Soil Water and Plant Water Isotopes in Response to a Rainfall Event in a Peri-Urban Zone with Shallow Soils
11:00 AM	<b>Foo, Katherine</b> Does a City's Land Market Affect its Greening Strategies? A Cross-Case Study of Baltimore, Boston, and Philadelphia	<b>Gao, Peng</b> Impacts of Projected Landscape Transformation on Conservation Corridors in the Southeastern U.S.	<b>Kvistad, Jake</b> Network Centrality as a Method for Identifying High Priority Ports for Aquatic Invasive Species Management on the Laurentian Great Lakes	<b>Breckheimer, Ian</b> BloomFinder: Leveraging Crowdsourced Data to Understand Climate Change Impacts on Mountain Wildflowers in the Western USA	<b>Harris, Lucas</b> Spatial Variability in Tree Regeneration and Potential Fire-Driven Range Shifts at a Dry Forest Ecotone	<b>Ovando-Montejo, Gustavo</b> Scale-Dependent Metric Value for a System of Mexican Cities	<b>Sullender, Benjamin</b> Estimating Biological Risk in Alaska's Arctic: Ecological Synthesis of the Western Beaufort Corridor	<b>Zhao, Fangkai</b> Co-contamination of Antibiotics and Metals in Peri-Urban Agricultural Soils and Sources Identification by Landscape Development Intensity
11:15 AM	<b>Anderson, Elsa</b> Biodiversity in Chicago's Vacant Lots	<b>Rakoto ratsimba, Harifidy</b> Modeling Priority Areas for Forest Landscape Restoration in Madagascar	<b>Dillon, Whalen</b> Fire Regimes, Plant Invasions, and Tick-Borne Disease Risk Across a Climate Gradient in the Southeast U.S.	<b>Wood, Spencer</b> Mapping and Modeling Recreational Use with Social Media as Data	<b>Chen, Anping</b> The Impacts of Fire Disturbances on Forest Community Structures and Species Composition in the United States	<b>Vernon, Zach</b> Development of a Regional Flood Susceptibility Index Using a GIS-based Frequency Ratio Approach	<b>Raya-Rey, Andrea N</b> Why Protect Top Predators? The Value of Seabirds and Marine Mammals on the Social-Ecological Seascape in the Beagle Channel	<b>Li, Shoujuan</b> Exploring the Spatial Distribution of Heavy Metals in Typical Peri-Urban Area of East China
11:30 AM	<b>Gobster, Paul</b> Clean and Green: Vacant Lot Stewardship and the Creation of New Natures in Chicago	<b>Donner, Ph.D., Deahn</b> Managing Breeding and Wintering Habitat for the Conservation of the Endangered Kirtland's Warbler in a Changing Climate	<b>Schwab, Samantha</b> (Meta)population Dynamics Determine Effective Spatial Distributions of Mosquito-borne Disease Control	<b>Firebaugh, Ariel</b> Light Pollution Predicts Firefly Abundance and Species Richness at Multiple Spatial Scales	<b>Turner, Monica</b> Is Increased Fire Frequency Likely to Erode Resilience of Lodgepole Pine Forests in Yellowstone?	<b>Wang, Jia</b> Towards Better Understanding of Urban Thermal Environment from a Multiscale Perspective	<b>Burman, Scott</b> River Temperatures at Spatial and Temporal Scales Relevant to Juvenile Salmon: Using Distributed Wireless Technologies to Connect Sensors	
11:45 AM	<b>Symposium Conclusion</b>	<b>Strassman, Andrew</b> MEGA-Transect: Creating a Seamless Vegetation Map for the Appalachian National Scenic Trail	<b>Unitis, Matt</b> Integration of Radar and Optical Satellite Data for Great Lakes Coastal Wetland Monitoring	<b>Symposium Conclusion</b>	<b>Buma, Brian</b> Space, Stochasticity, Succession, and the Limits of Chronosequence Methods			



	THE HANCOCK PARLOR	LASALLE 5 (7 <sup>th</sup> Floor)	SPIRE PARLOR	ADAMS	WATER TOWER PARLOR	GRANT PARK PARLOR	LASALLE 1 (7 <sup>th</sup> Floor)	LASALLE 2 (7 <sup>th</sup> Floor)
	<b>T17: Habitat Fragmentation/Connectivity</b>	<b>S14: Waterbird Habitat Modeling and Conservation</b>	<b>T15: Forest Landscape Processes</b>	<b>S12: Long-Term Agro-ecological Research Network</b>	<b>S13: State-of-the-Art Techniques for Remote Sensing of Disturbed Landscapes</b>	<b>S11: How Ecological and Social Influences on the Urban Landscape Affect Pollinator Habitat</b>	<b>T16: Climate Change Effects and Adaptation</b>	<b>T14: Rarity, Biodiversity and Species Distribution</b>
	<b>Moderator: Matthew Fagan</b>	<b>Moderator: Janet Silbernagel</b>	<b>Moderator: Anatha Prasad</b>	<b>Moderators: Sarah Goslee &amp; Alisa Coffin</b>	<b>Moderator: Steve Norman</b>	<b>Moderator: Abigail Derby-Lewis</b>	<b>Moderator: Sarah Bisbing</b>	<b>Moderator: Hossam Moniem</b>
<b>10:00 AM</b>	<i>de la Sancha, Noé</i> Graph Theory Analysis in Highly Fragmented Atlantic Forest Remnants of Eastern Paraguay	<i>Silbernagel, Janet</i> Introduction to Symposium: An Example of Changing Land Cover and Lake Level on Black-necked Crane Habitat at Caohai Lake	<i>LaMontagne, Jalene</i> Synchrony and Variability in Mast Seeding of White Spruce Across the Boreal Forest	<i>Goslee, Sarah</i> Landscape Contexts and Commonalities: Building the LTAR Network	<i>Henebry, Geoffrey</i> Using Contextual Clues and Cues to Distinguish Disturbance from Expected Dynamics	<i>Derby Lewis, Abigail</i> A Monarch's View of the City: Developing a Conservation Design for Monarchs in Urban Areas	<i>Bisbing, Sarah</i> Multi-Scale Climatic and Topographic Characteristics of Low-Snow Mortality and Regeneration in Yellow-Cedar	<i>Potter, Kevin</i> Where the Rare Things Are: A Multi-Scale Assessment of Geographic and Evolutionary Rarity Across U.S. Forests
<b>10:15 AM</b>	<i>Haro Carrion, Xavier</i> Understanding Land-Cover Change and Its Impact on Biodiversity in an Ecuadorian Fragmented Landscape	<i>Sullender, Benjamin</i> Seasonal Inundation, Foraging Ecology, and Eurasian Spoonbill Habitat Selection at Poyang Lake, China	<i>LaRue, Elizabeth</i> Linking Terrestrial LIDAR to Landsat: Canopy Structural Complexity is Associated with Spectral Indices of Greenness and Brightness	<i>Yasarer, Lindsey</i> Patterns and Drivers of Hydrologic Alteration in the Agriculturally-Dominated Lower Mississippi River Basin	<i>Nguyen, Lan</i> Detecting Land Change Through Land Surface Phenology: An Application to the Dynamic Northern Great Plains	<i>Winter, Lex</i> Using Social Science To Inform Monarch Conservation Strategies In Diverse Urban Landscapes	<i>Littlefield, Caitlin</i> Connectivity to Address Climate-induced Range Shifts: Emerging Approaches and Future Challenges	<i>Tuanmu, Mao-Ning</i> Beta-Diversity Patterns of Breeding Birds Influenced by Environmental and Climatic Heterogeneity in Taiwan
<b>10:30 AM</b>	<i>Kaszta, Zaneta</i> An Integrated GIS-Based Toolkit For Land Use Planners: Evaluating Impact of Development and Restoration Planning In Sabah (Borneo) on Clouded Leopard Connectivity	<i>Senner, Paul</i> Response of Avian Communities to Water Management in the Floodplain Grasslands of the Mekong Delta	<i>Iverson, Louis</i> Spatial Modeling and Inventories for Targeting Investment Into Oak-Hickory Restoration	<i>Browning, Dawn</i> Phenocams Bridge the Gap Between Field and Satellite Observations: Applications from Agro-Ecosystems	<i>John, Ranjeet</i> Untangling the Effects of Human Influence on Above Ground Biomass from Precipitation Driven Changes on the Mongolian Plateau	<i>Tonietto, Rebecca</i> Urban Agriculture Supports Diverse Wild Bee Communities in Detroit, Michigan	<i>Baltensperger, Andy</i> Spatio-Temporal Trajectories of an Understudied Small Mammal: Time-Series Predictions of Northern Bog-lemming Distributions Across North America from 1900 to 2040	<i>Abdel Moniem, Hossam eldien</i> Landscape Connectivity Effects on Alberta's Biodiversity
<b>10:45 AM</b>	<i>Wiafe, Edward</i> Impacts of High Voltage Electricity Transmission Lines on Liana and Tree Communities in Two Forest Ecosystems	<i>Wheeler, Michael</i> Modeling Transition Rates of Sandhill Cranes Using a Multi-state Model and Estimating Stage-specific Elasticities	<i>Dyer, James</i> Have the Realized Niches of Oaks and Maples Shifted over the Last Two Centuries?	<i>Madden, Marguerite</i> Advanced Geospatial Technologies for Agricultural Landscapes: 3D Immersion and Geovisualization System (3DIG)	<i>Norman, Steve</i> Cross-Seasonal Assessments of Appalachian Forest Compositional Response After Fire Using Sentinel 2 Imagery	<i>Gardiner, Mary</i> Cleveland, Ohio Bee Communities are Shaped by Urban Landscape Composition and Land-use Legacy	<i>Boulanger, Yan</i> Simulating the Spatio-Temporal Dynamics of Boreal Habitats Under Climate Change	<i>Stuber, Erica</i> Human-Induced Rapid Environmental Change and Spatial Mismatches in Species Distribution
<b>11:00 AM</b>	<i>Wilson, Maxwell</i> Seeing the Forest Through the Trees: An Assessment of Habitat Fragmentation's Impacts on Woody Plant Communities Across Scales	<i>Zhou, Sulong</i> Surveying Local Fishermen to Acquire Sub-lake Information at Poyang Lake, China	<i>Fergus, Craig</i> Modeling the Vulnerability of Forest Patches to Non-Native Plant Invasion	<i>Swain, Hilary</i> Understanding the Scale and Drivers of Ecosystem Services in Working Landscapes of the Southeastern U.S.	<i>Crowley, Morgan</i> Near-term Refinement of Burn-area Maps Through Fusion of Multiple Remote-sensing Sources for the Historic 2017 British Columbia Fire Season	<i>Taron, Douglas</i> Twenty-Five Years of Butterfly Population Data in the Chicago Metropolitan Area: An Urban and Suburban Perspective	<i>Potter, Kevin</i> A National, Spatially Explicit Assessment of Forest Tree Genetic Degradation Risk	<i>Fields, William</i> A Decision Support Tool for Metapopulation Management in Dynamic Landscapes
<b>11:15 AM</b>	<i>Fagan, Matthew</i> Evaluating the Contribution of Pine Plantations to Habitat Fragmentation in the Southeastern U.S.	<i>Mirande, Claire</i> Using the Open Standards to Develop Strategies for Siberian Crane Flyway Level Conservation	<i>Prasad, Anantha</i> Range-wide Evaluation of Six Economically Important Tree Species: A Multi-Model Approach to Evaluate Management Potential	<i>Huggins, David</i> Dynamic Agroecological Classes for Assessing Land Use Change and Response to Climate Change Projections in the Inland Pacific Northwest	<i>Hoffman, Forrest</i> Applying Google Earth Engine to Wildfire Disturbance Detection in the State of Alaska	<i>Basso, Georgia</i> USFWS Urban Wildlife Refuge Program: High School Students Restore Habitat and Measure the Effects on Insect Diversity in New Haven, CT	<i>Knott, Jonathan</i> Climatic and Environmental Drivers of Population- and Species-level Phenology in a Common Garden Study	<i>Padgett, Tegan</i> Macrolichen Community Structures of Newfoundland's Forested Wetlands
<b>11:30 AM</b>		<i>Tiegs, Lindsey</i> A Citizen Scientist Project: Determining Drivers of Crane Resources Across the Coastal Landscape	<i>Bell, David</i> Regional Variation in Landscape-level Forest Biomass Trends Before and During a Multi-year Drought	<i>Coffin, Alisa</i> Identifying Agro-ecoregions for the Long-Term Agroecosystem Research (LTAR) Network	<i>Kumar, Jitendra</i> Data Mining Historical MODIS Hotspots Archive to Characterize Global Fire Regimes	<i>Kurylo, Jessica</i> Larval Host Plants Influence Urban Butterfly Community Structure	<i>Sofaer, Helen</i> Assessing Species Distribution Model Performance for Vulnerability Assessment and Search	<i>Cunningham-Minnick, Michael</i> Multi-scale Effects of Land Use on Bee Communities Along Habitat Edges Between Forest and Agriculture
<b>11:45 AM</b>		<i>Silbernagel, Janet</i> Symposium Wrap Up: Synthesizing Fisher Surveys and Hydrological Dynamics with Siberian Crane Habitat Models at Poyang Lake, China	<i>Hepinstall-Cymerman, Jeffrey</i> Predicting Changes in Gopher Tortoise Habitat Connectivity in Georgia, USA	<i>Spiegel, Sheri</i> Long-Term Agroecosystem Research Advancing Sustainable Intensification in Fields, Farms, and Regions Across the U.S.	<i>Mills, Richard</i> Scalable Geospatiotemporal Clustering on Novel Fine-Grained Parallel Computer Architectures	<i>Symposium Conclusion</i>		



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WEDNESDAY, APRIL 11 2018 ♦ 1:30 PM – 3:00 PM ♦ TECHNICAL SESSION & SYMPOSIA OVERVIEW

	THE HANCOCK PARLOR	LASALLE 5 (7 <sup>th</sup> Floor)	SPIRE PARLOR	ADAMS	WATER TOWER PARLOR	GRANT PARK PARLOR	LASALLE 1 (7 <sup>th</sup> Floor)	LASALLE 2 (7 <sup>th</sup> Floor)
	<b>T17: Habitat Fragmentation/Connectivity</b>	<b>S17: Taking A Look Under the Hood of EPA's EnviroAtlas</b>	<b>S15: Understanding/Promoting Resilience of Metro-Region Forest Soci-Eco Systems</b>	<b>T18: Processes in Agricultural Landscapes</b>	<b>S13: State-of-the-Art Techniques for Remote Sensing <i>continued</i></b>	<b>S16: Geneticists Have Drosophila, Biomed Researchers Have Lab Rats</b>	<b>T19: Modelling Climate as Process Drivers</b>	<b>T20: Ecosystem Services</b>
	<b>Moderator: Georgia Basso</b>	<b>Moderator: Derek Van Berkel</b>	<b>Moderator: Robert Fahey</b>	<b>Moderator: Sarah Goslee</b>	<b>Moderator: Steve Norman</b>	<b>Moderator: Yolanda Wiersma</b>	<b>Moderator: Rebecca Snell</b>	<b>Moderator: Jiangxiao Qiu</b>
<b>1:30 PM</b>	<b>Wan, Ho Yi</b> A Multi-Scale Modeling Framework for Landscape-Level Assessment of Core Habitats, Connectivity, and Gene Flow of Rare Species	<b>Neale, Anne</b> As EnviroAtlas Evolves	<b>Scott, Lydia</b> Development of an Urban Forest Strategy for the Chicago Region Based on Critical Urban Forest, Environmental and Demographic Data	<b>Goslee, Sarah</b> Blue and Green: Modeling Rain-fed and Irrigated Agriculture on the Landscape	<b>Mao, Qi</b> Water Inundation Mapping from 2000 by CNN for Southeast China	<b>Wiersma, Yolanda</b> Seeing the Trees for the Forest: Micro Landscapes of Arboreal Lichens	<b>Stickley, Samuel</b> Predicting Microclimate Temperatures in the Great Smoky Mountains Using Statistical Downscaling and LiDAR-derived Vegetation Information	<b>Qiu, Jiangxiao</b> Understanding Relationships Among Ecosystem Services Across Scales
<b>1:45 PM</b>	<b>Eyitayo, Damilola</b> Shifts in Plant Species Composition Along a Utility Right-of-way	<b>Wickham, James</b> Mapping Candidate Ecological Restoration Areas Using Morphological Spatial Pattern Analysis (MSPA)	<b>Brandt, Leslie</b> Chicago Region Urban Forestry Climate Change Response Framework	<b>Larsen, Ashley</b> Landscape Drivers of Agricultural Insecticide Use: A Data Driven Approach Across Scales	<b>Kruskamp, Nicholas</b> Satellite Remote Sensing with Machine Learning of Host Species Distributions: Effects of Landscape Pattern on Disease Spread Models	<b>Brown, Joel</b> Life in a Microsphere: Landscape Patterns and Competition Between Two Cancer Cell Lines Grown as 3-D Cultures	<b>McKenzie, Don</b> What Are the Hard Problems for Landscape-Model Projections in a Warming Climate?	<b>Yu, Deyong</b> Constraint Relationships Between Ecosystem Services in the Agro-Pastoral Transitional Zone of China
<b>2:00 PM</b>	<b>Garcia, Andrea</b> Effects of Neotropical Savanna Fragmentation on the Reproductive Dynamics of a Key Tree Species	<b>Cada, Peter</b> Potential Impacts of Climate Change on Vegetative Ecosystem Services of Soil Retention	<b>Hale, Daniel</b> Integration of Landscape and Social Factors That Predict Attitudes Toward Roadside Vegetation Management	<b>Heintzman, Lucas</b> Amphibian Amblings Amid Arid-land Agriculture: Wetland Connectivity and Species Dispersal in the Great Plains Using Least-Cost Path and Landscape Resistance Modelling	<b>Hargrove, William</b> Using Linear and Non-Linear Temporal Adjustments to Match an Annual Phenological Profile to a Reference Profile for Direct Comparison of Vegetation Status and Health	<b>Collins, Cathy</b> From Microbes to Landscapes: Can Plant Species Loss in Small Habitat Fragments Be Explained by Plant-Pathogen Interactions?	<b>Snell, Rebecca</b> The Importance of Climate Uncertainty for Projections of Forest Ecosystem Services	<b>Liu, Qinghua</b> Linking GRNN and a neighborhood selection algorithm to assess land suitability in low-slope hilly areas
<b>2:15 PM</b>	<b>Cushman, Samuel</b> Ranking Core Areas, Corridor and Conflict Hotspots for Lion Conservation in Southern Africa	<b>Dewitz, Jon</b> NLCD 2016: A Preview of Increased Frequency, Collaborative Data Integration, and New Features	<b>Kline, Jeffrey</b> A Generalizable Conceptual Framework of Urban and Exurban Socioecological Systems, with Two Examples Involving Wildfire Risk Mitigation and Open Space Conservation	<b>McWilliam, Wendy</b> Enablers and Barriers to Vineyard/Winery Land Sparing/Sharing Green Infrastructure Strategies	<b>Garcia, Matthew</b> Identifying Defoliation-based Disturbances in Forests Around Western Lake Superior Using a 30-Year Landsat-based Phenoclimatology Analysis	<b>With, Kimberly</b> Parsing the Independent Effects of Habitat Amount and Fragmentation Using an Experimental Model Landscape System	<b>Peters, Matthew</b> Evaluating Drought Projections with the Cumulative Drought Severity Index	<b>Cunningham, Caitlin</b> Primary Data in Pollination Services Mapping: Potential Service Provision by Honey Bees in Cumberland and Colchester, Nova Scotia
<b>2:30 PM</b>	<b>Paton, Grant</b> The Traits That Predict Forest Bird Responses to Urbanization Intensity	<b>Sanford, Ward</b> Results from a New USGS Simulation Model of Shallow Groundwater Across the Contiguous United States	<b>Floress, Kristin</b> Backyards, Buckthorn, and Landscape Scale Conservation: Homeowner Engagement in Managing Invasive Plants	<b>Turner, Tyler</b> Examining Bat Activity, Diversity, and Distribution in an Agricultural Mosaic Landscape	<b>Xia, Zhiyue</b> Harnessing the Power of Geospatial Data with Random Forest to Forecast Gypsy Moth Outbreaks	<b>Martin, Amanda</b> Are Good or Poor Dispersers More Sensitive to Land Use Intensification? A Quantitative Review	<b>Saia, Sheila</b> Integrating Hydrological Models and Census Data to Prioritize Climate Change Preparedness	<b>Narducci, Jenna</b> Urban Growth in the Western United States and Implications for Human Well-being
<b>2:45 PM</b>	<b>MacDougall, Brandon</b> Meso-Predator Presence Along an Urban-Rural Gradient in a Mono-Culture Matrix	<b>Hollister, Jeffrey</b> Lakes, Landscapes, and R: A Framework for Open Research on Freshwater Cyanobacteria	<b>Vogt, Jess</b> Social Benefits of Urban Forests for the Anthropocene	<b>Walston, Leroy</b> Examining the Potential Agricultural Benefits of Pollinator Habitat at Utility-Scale Solar Facilities in the United States	<b>Panel Discussion</b>	<b>Des Brisay, Paulson</b> Using Landscape-scale Manipulative Experiments to Disentangle Mechanisms: Effects of Oil and Gas Wells, and Noise on Grassland Songbirds	<b>Sharma, Bharat</b> Identification of the Spatio-Temporal Contiguous Carbon Cycle Extreme Events	
<b>3:00 PM – 3:30 PM COFFEE BREAK ♦ 6<sup>th</sup> Floor Foyer</b>								



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	<b>T17: Habitat Fragmentation/Connectivity</b> <i>continued</i>	<b>S17: EPA's EnviroAtlas</b> <i>continued</i>	<b>S15: Metro-Region Forest Socio-Eco Systems</b> <i>continued</i>	<b>T18: Processes in Agricultural Landscapes</b> <i>continued</i>	<b>T21: Remote Sensing/Image Analysis</b> <i>continued</i>	<b>S16: Geneticists Have Drosophila</b> <i>continued</i>	<b>T22: Wildlife Management</b>	<b>T23: Tradeoffs in Energy Production</b>
	<b>Moderator: Georgia Basso</b>	<b>Moderator: Derek Van Berkel</b>	<b>Moderator: Robert Fahey</b>	<b>Moderator: Sarah Goslee</b>	<b>Moderator: Mary Henry</b>	<b>Moderator: Yolanda Wiersma</b>	<b>Moderator: Andrew Mashintonio</b>	<b>Moderator: Clair Jantz</b>
<b>3:30 PM</b>	<b>Tumas, Hayley</b> Keeping Common Common: Landscape Genetics of Black Needlerush ( <i>Juncus roemerianus</i> Scheele) Across Northeastern Gulf of Mexico Salt Marshes	<b>Woznicki, Ph.D., Sean</b> Using Random Forests to Map Floodplains for the Conterminous USA	<b>Reinmann, Andrew</b> Forest Edge-ucation: Patterns and Mechanistic Drivers of Forest Carbon Dynamics in Fragmented Landscapes	<b>Starr, Scott</b> Classifying Historic Land-use Changes and Effects on Playa Wetland Inundation on the Southern High Plains Using Remote Sensing Techniques	<b>Balagurunathan, Yoganand</b> Evolutionary Principals to Find Habitats in Prostate Cancer Imaging	<b>Capozzelli, Jane</b> Using Fire and Grazing to Reduce Woody Encroachment on Grasslands in the Central U.S.	<b>Gustafson, Greg</b> Investigating the Effects of Land Managment Practices on Wildlife Diversity and Abundance Through Landscape Manipulation	<b>Phifer, Colin</b> Impact of Afforested Eucalyptus Plantations on Ecosystem Services in Argentina
<b>3:45 PM</b>	<b>Burgess, Stephanie</b> Determining the Transferability of Amphibian Landscape Genetics Models	<b>Silva, Raquel</b> Greenness and Self-reported Well-being in a Representative Sample of the U.S. Population	<b>Bowers, Justin</b> Developing Climate Change-Adaptive Species Palettes for Urban Forests Restoration	<b>Taylor, Kyle</b> Assessing the Population Response of Grassland Birds to Mid and End of 21st Century Landscape Change Predictions in the Great Plains (USA)	<b>Henry, Mary</b> Characterizing Fire Patterns in Chyulu Hills, Kenya Using MODIS Active Fire and Burned Area Products	<b>Gustafson, Eric</b> Spatial and Temporal Scaling of a Plot-Scale CO2 and Ozone Enrichment Experiment to Landscape Scale Using LANDIS PnET-Succession	<b>Mashintonio, Andrew</b> A Hybrid Approach to Modeling Habitat Selection Reveals Preferences of Brown Bears on the Kenai Peninsula, Alaska, USA	<b>Kline, Keith</b> Examining Evidence for Drivers of Indirect Land-use Change Associated with Biofuel Policies
<b>4:00 PM</b>	<b>Mondal, Indraniil</b> A Landscape of Hope and Fear: The Future of Tigers in Eastern Vidarbha, Maharashtra, India	<b>Tsai, Wei-Lun</b> Associations Between Urban Landscape Characteristics and Body Mass Index	<b>Kim, Gunwoo</b> Urban Greening and Urban Forest Assessment	<b>Yang, Lei</b> Linking Land Use Pattern and Antibiotics in Soils in Typical Peri-Urban Area of China	<b>Elmore, Andrew</b> Enhancing Bird Habitat in Late Successional Forests of the Central Appalachians by Managing for Structural Complexity	<b>Butitta, Vince</b> Lakes as Experimental Systems for Spatial Early Warning Signals	<b>Sander, Heather</b> Birds in Corn Belt Cities: Patterns in Nesting Guild Communities in Eastern Iowa Urban Landscapes	<b>Duden, Anna</b> The Impact of Wood Pellet Demand on Biodiversity in the Southeastern USA
<b>4:15 PM</b>	<b>Yang, Hongbo</b> Effectiveness of Protected Areas in Reducing Deforestation	<b>Van Berkel, Derek</b> EnviroAtlas' National Assessment of Cultural Ecosystem Services: Leveraging Social Media to Understand America's Most Valued Landscapes	<b>Kashian, Daniel</b> Institutional, Ecological, and Socio-Economic Drivers of Urban Tree Cover in Metropolitan Detroit, Michigan	<b>Hamlin, Quercus</b> Quantifying Nutrient Inputs in the Great Lakes Basin with SENSMaP (Spatially Explicit Nutrient Source Map)	<b>Li, Qiangzi</b> Improving Crop Identification and Acreage Estimation Using Crop Landscape Models	<b>Rauen Firkowski, Carina</b> Metacommunity Disturbance in a Fluctuating World Studied Using Both Microcosm and Mathematic Model	<b>Pfeiffer, Morgan</b> Civil Airports From a Landscape Perspective: A Multi-Scale Approach with Implications for Reducing Bird Strikes	<b>Zumpf, Colleen</b> Ecosystem Service Provision by Shrub Willows in an Illinois Agricultural Landscape
<b>4:30 PM</b>	<b>Fidino, Ph.D., Mason</b> Long-Term Declines in Urban Prairie Dogs	<b>Russell, Marc</b> Can We Adequately Represent the Spatial Interplay Between Humans and Nature?	<b>van Doorn, Natalie</b> Structure, Function and Value of Urban Forests in California	<b>Coon, Jaime</b> Landowners, Non-Native Plants, and Grassland Birds: Exploring Possibilities for Management on Privately-Owned Pastures That Serve as Wildlife Habitat	<b>Thapa, Bina</b> Reconstructing Historical Boreal Forest Structure by Using Archived Landsat and National Forest Inventory	<b>Ibrahim Hahsim, Arig</b> Niche Construction in Cancer: Coevolution of Tumor Cells and Their Microenvironment	<b>Wheeler, Michael</b> Wisconsin's Potential Sandhill Crane Hunt	<b>Jantz, Claire</b> Evaluating Energy Infrastructure Land Use in the Delaware River Basin
<b>4:45 PM</b>			<b>Panel Discussion</b>	<b>Garcia, Andrea</b> Deforestation and Forest Degradation in the Amazon's Agriculture Frontier		<b>Jenerette, Darrel</b> Experimental Landscape Ecology	<b>Sacco, Alexander</b> Sea Turtle Abundance, Distribution, and Habitat Selection in the Gulf of Mexico Following the Deepwater Horizon Oil Spill	