



US - IALE

**2019 Annual Meeting
April 7-11 • Fort Collins, Colorado
Conservation Innovation**

Program Handout

SCHEDULE AT-A-GLANCE

SUNDAY, APRIL 7		
12:00 p.m. - 6:00 p.m.	Conference Registration Desk Open	Ballroom Pre-function
12:00 p.m. - 6:00 p.m.	Exhibitor Set-up	Ballroom Pre-function
1:30 p.m. - 3:30 p.m.	Student Walk and Ice Breaker	Meet at Registration Desk
3:30 p.m. - 5:30 p.m.	US-IALE Executive Committee Meeting	Rams Room
6:30 p.m. - 8:30 p.m.	Welcome Social!	Atrium
MONDAY, APRIL 8		
7:30 a.m. - 5:00 p.m.	Conference Registration Desk Open	Ballroom Pre-function
7:30 a.m. - 8:30 a.m.	Continental Breakfast	Ballroom
8:30 a.m. - 9:30 a.m.	WELCOME & PLENARY SESSION I: Dana Villeneuve	Ballroom
8:30 a.m. - 5:30 p.m.	Poster Set-up	Atrium
9:30 a.m. - 10:00 a.m.	Coffee Break with Sponsors	Atrium & Ballroom
10:00 a.m. - 12:00 p.m.	Concurrent Technical Sessions & Symposia	Multiple Locations
12:00 p.m. - 1:30 p.m.	Attendee Lunch	Ballroom
12:15 p.m. - 12:30 p.m.	Presentation Re: US-IALE Name/Scope Change	Ballroom
12:30 p.m. - 1:30 p.m.	Student-Mentor Lunch {Advance RSVP required}	Ballroom
1:30 p.m. - 3:00 p.m.	Concurrent Technical Sessions & Symposia	Multiple Locations
3:00 p.m. - 3:20 p.m.	Coffee Break with Sponsors	Atrium & Ballroom
3:30 p.m. - 5:30 p.m.	Concurrent Technical Sessions & Symposia	Multiple Locations
5:30 p.m. - 6:00 p.m.	Forum to Discuss US-IALE Name/Scope Change	Vet Medicine – 2 nd Floor
5:30 p.m. - 7:00 p.m.	Poster Session & Social with Sponsors	Atrium & Ballroom Pre-function
7:00 p.m. - 9:00 p.m.	NASA/MSU Dinner {Invitation only}	Vet Medicine – 2 nd Floor
8:00 p.m. - 10:00 p.m.	Student Social	Offsite
TUESDAY, APRIL 9		
7:30 a.m. - 5:00 p.m.	Conference Registration Desk Open	Ballroom Pre-function
7:00 a.m. - 8:00 a.m.	Landscape Ecology Editorial Board Meeting	Vet Medicine – 2 nd Floor
7:30 a.m. - 8:30 a.m.	Continental Breakfast	Ballroom
8:30 a.m. - 9:30 a.m.	PLENARY SESSION II: Liba Pejchar	Ballroom
9:30 a.m. - 10:00 a.m.	Coffee Break with Sponsors	Atrium & Ballroom
10:00 a.m. - 12:15 p.m.	Concurrent Technical Sessions & Symposia	Multiple Locations
12:15 p.m. - 1:15 p.m.	Lunch On Your Own	See app/website!
1:30 p.m. - 5:30 p.m.	Half-day Concurrent Workshops {pre-registration and additional fee required}	Multiple Locations

TUESDAY, APRIL 9 (CONTINUED)

1:30 p.m. - 5:30 p.m.	Half-day Scientific Excursions {pre-registration and additional fee required}	<i>Offsite/Meet at Registration</i>
6:00 p.m. - 7:30 p.m.	Networking Reception "We'll Pick Up The Tab" Social	<i>Atrium & Ballroom</i>
7:30 p.m. - 9:00 p.m.	Awards Banquet	<i>Ballroom</i>

WEDNESDAY, APRIL 10

7:00 a.m. - 8:00 a.m.	US-IALE Executive Committee & General Business Meeting (members welcome)	<i>Vet Medicine – 2nd Floor</i>
7:30 a.m. - 5:00 p.m.	Conference Registration Desk Open	<i>Ballroom Pre-function</i>
7:30 a.m. - 8:30 a.m.	Continental Breakfast	<i>Ballroom</i>
8:30 a.m. - 9:30 a.m.	PLENARY SESSION III: Juliana Delgado & Announcement of Upcoming US-IALE Annual Meeting	<i>Ballroom</i>
9:30 a.m. - 10:00 a.m.	Coffee Break with Sponsors	<i>Atrium & Ballroom</i>
10:00 a.m. - 12:00 p.m.	Concurrent Technical Sessions & Symposia	<i>Multiple Locations</i>
12:00 p.m. - 1:30 p.m.	Lunch On Your Own Followed by Richard Forman Book Reading	<i>Ballroom</i>
1:30 p.m. - 3:00 p.m.	Concurrent Technical Sessions & Symposia	<i>Multiple Locations</i>
3:00 p.m. - 3:20 p.m.	Coffee Break with Sponsors	<i>Atrium & Ballroom</i>
3:30 p.m. - 5:30 p.m.	Concurrent Technical Sessions & Symposia	<i>Multiple Locations</i>
Evening	Dinner On Your Own	<i>See app/website</i>

THURSDAY, APRIL 11

8:00 a.m. - 12:00 p.m.	Half-day Concurrent Workshops {pre-registration and additional fee required}	<i>Multiple Locations</i>
8:00 a.m. - 5:00 p.m.	Full-day Workshop {pre-registration and additional fee required}	<i>CSU Campus</i>
8:00 a.m. - 5:00 p.m.	Full-day Scientific Excursion {pre-registration and additional fee required}	<i>Offsite/Meet at Registration</i>
9:30 a.m. - 3:30 p.m.	Full-day Scientific Excursion {pre-registration and additional fee required}	<i>Offsite/Meet at Registration</i>

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Highlights of the app includes the ability to build your personal agenda, the sponsor directory, an interactive hotel floor plan, opportunities to interact with fellow app users attending the event, and more! The app will be updated during the conference as changes come in and notifications will be sent.

CONCURRENT SESSION GRID – MONDAY 10:00 AM – 12:00 PM

	SALON IV	SALON VI	SALON I/IV	SALON II
	(S01) Remote Sensing of Landscape Ecology: State of the Art/Science	(S02) Wildfire-Driven Forest Conversion in Western North American Landscapes: Emerging Science and Implications for Resilience and Adaptation	(S03) Integrated Broad-scale Assessments of Land Dynamics and Ecosystem Services in Response to Climate and Socioeconomic Drivers	(S04) Incorporating Landscape Ecological Theory into Analyses of Forest Fires: Insights/Challenges/Innovations for Supporting Conservation
10:00 AM	Gray, Josh A time to laugh, a time to weep: the state and future of land surface phenology	Fulé, Peter Interacting climate and fire patterns drive 21st-century forest change in the Southwest	ODea, Claire Overview of the Resources Planning Act Assessment: A Recurring National Assessment of Renewable Resources since 1975	Cansler, C. Alina Addressing uncertainty from a proliferation of analytical approaches: a sensitivity analysis of burn severity metrics, classification thresholds, and grain of remotely sensed burn severity data.
10:15 AM	Henebry, Geoff Linking Snow Seasonality with Land Surface Phenology in High Mountain Pastures: How Can We Reconcile Challenges and Solutions for Plausible Interpretability?	Collins, Brandon A quantitative comparison of forest fires in central and northern California under early (1911-1924) and contemporary (2002-2015) fire suppression	Joyce, Linda Selecting climate scenarios and projections for natural resource assessments	Parisien, Marc Cloud-based computing provides new opportunities for regional-to-continental modeling of fire effects
10:30 AM	Garcia, Matthew Spatiotemporally Explicit Forest Phenoclimatology in Northeastern Minnesota, USA	Whitman, Ellen Short-Interval Reburns and Drought Overwhelm Conifer Resilience in the Boreal Forest	Reeves, Matthew Comparing present and future trends of rangeland productivity in the conterminous U.S.	Meigs, Garrett Improving burn severity mapping for landscape conservation: incorporating biophysical gradients, uncertainty, and functionally significant patches in burned forests
10:45 AM	Konduri, Venkata Shashank Using the Concept of Ecoregions for Large Area Crop Mapping	Harvey, Brian Landscape Patterns of Burn Severity in Short-Interval Reburns: Individual and Cumulative Effects from Multiple Fires on Spatial Patterns of Forest Structure	Costanza, Jennifer Assessment of Forest Ecosystem Dynamics in Response to Climate and Socioeconomic Drivers across the Conterminous U.S.	Kennedy, Maureen Incorporating Spatial Autocorrelation Into Burn Severity Modeling: Implications for Wildland Fire Management
11:00 AM	Kruskamp, Nicholas Time Series Remote Sensing for Prioritizing Forest Disease Management	Tepley, Alan Fire-Vegetation Feedbacks Alter Landscape Vulnerability to Persistent Forest Loss in Response to Increasing Wildfire Activity	Klingbeil, Brian Accounting for ecosystem capacity in assessing avian diversity response to climate and land use change	Jeronimo, Sean Quantifying Uncertainty in Satellite-derived Fire Severity Using Actual Tree Mortality / Modeling Post-fire Tree Mortality in a Landscape Context: Demographics, Drivers, and Functional Outcomes
11:15 AM	Gaddis, Keith Advancing Decision Making With Remote Sensing Tools	Assal, Timothy Fire Sparks Conversion: Measuring Decadal Changes to Vegetation Structure in the Jemez Mountains	Warziniack, Travis Future Water Shortages in the United States: Causes and the Relative Importance of Municipal and Agricultural Demand	Stevens, Jens Spatial Patterns of High-Severity Fire: Process-based Metrics and Limits to Historical Patch Sizes
11:30 AM	LaRue, Elizabeth Canopy structural complexity as a predictor of forest function in North America	Margolis, Ellis Centennial-scale Perspectives on Fire and Vegetation Change in Northern New Mexico	Vogt, Peter Overview of the Forest Europe Fragmentation Assessment Process	Naficy, Cameron Unique insights on burn severity, fire behavior and post-fire recovery from time series of high-resolution imagery: methods, novel applications, and research frontiers
11:45 AM	Chastain, Robert An Assessment of Forest Health Insect and Disease Survey Data and Satellite-Based Remote Sensing Forest Change Detection Methods in the United States	Crausbay, Shelley Past ecological transformations across the US West	Brooks, Evan Simulating Empirically Observed Forest Patterns Using a Hybrid Demand-Allocation Land Use Change Algorithm	Hansen, Winslow Using Process-based Simulations to Anticipate 21st-century Fire and Forest Dynamics in Subalpine Landscapes

12:00 PM – 1:30 PM // ATTENDEE LUNCH & 12:30 PM – 1:30 PM // STUDENT- MENTOR LUNCH

CONCURRENT SESSION GRID – MONDAY 10:00 AM – 12:00 PM

SALON III	GREEN & GOLD	LEGENDS	RAMS	
(T01) Invasive Species	(T02) Riparian/Aquatic Systems	(T03) Landscape Pattern	(T04) Ecosystem Management	
<p>Wied, Justin Comparing the Detection of Old World Bluestem Distributions in South Texas Using Different Remote Sensing Platforms</p>	<p>Snyder, Marcia Individual based modelling of fish migration in a 2-d river system: Model Description and Case Study</p>	<p>Cox, Cody Scale-Dependent Responses of Resident Bird Species to Forest Fragmentation in Costa Rica</p>	<p>Schrader-Patton, Charlie Mapping biomass and carbon stocks in shrubland dominated landscapes in southern California</p>	10:00 AM
<p>Turner, Sophia Landscape-scale Identification and Prioritization of Non-Native Species Introduction Pathways as a Management Tool</p>	<p>Kopp, Darin Basin features influence the quantity of aquatic insect subsidies in terrestrial landscapes throughout the contiguous US.</p>	<p>Menefee, Alison Old Tricks-New Opportunities: Using Error Ellipsoids from Telemetry to Assess Wild Turkey Breeding and Wintering Habitat Spatial Structure in South Texas</p>	<p>Byrd, Kristin Time Series Remote Sensing of Waterfowl Food Resources and Productivity in Central Valley Managed Wetlands</p>	10:15 AM
<p>Jarnevich, Catherine The influence of invasive species and novel ecological processes on evaluation of management alternatives</p>	<p>Agne, Michelle Fuels vs. Fruits: Coupling Canopy Seed Bank and Fuel Dynamics to Anticipate Likelihood of Plant Population Persistence</p>	<p>Holland, Austin Impact of enforcement and crop prices on soil conservation measures in the US Corn Belt</p>	<p>Martin, Amanda Farmland Heterogeneity Can Have Similar—or Even Larger—Effects on Biodiversity than Farming Practices</p>	10:30 AM
<p>Roche, Morgan Allelopathic Plant Invader Selectively Impacts Native Plant Community by Mutualism Disruption</p>	<p>Herbstritt, Stephanie Planting native perennial grasses in multifunctional riparian buffers for water quality and farm profitability</p>	<p>Qiu, Jiangxiao Ecosystem service relationships along land-use gradients: Synthesis of patterns across regional social-ecological systems</p>	<p>O'Brien, Lee Evaluating the Use of Surrogate Species for Landscape Conservation Planning</p>	10:45 AM
<p>Breault, David Habitat and diet ecology of Pacific marten on Haida Gwaii</p>	<p>Ferraz, Silvio Assessing tropical riparian forest functioning on agricultural landscapes</p>	<p>Hovis, Ciara Hidden Consequences of International Food Trade and Changing Agroecosystems for Biodiversity</p>	<p>Berryman, Erin Accounting for Catastrophic Forest Mortality in the National Insect and Disease Risk Map for the US: 2018 and Beyond</p>	11:00 AM
<p>Yang, Jian In situ and ex situ Disturbances Interact with Landform to Determine Landscape Distribution of Invasive Exotic Plant Species in a Temperate Deciduous Forest of Eastern US</p>	<p>Taddeo, Sophie Satellite-based Spectral Greenness Predicts Plant Diversity Across Wetland Types and Disturbance Levels</p>	<p>With, Kimberly A Habitat Configuration Matters When Evaluating Habitat-Area Effects on Host-Parasitoid Interactions</p>	<p>Talukder, Byomkesh Metacoupled System Analysis of Marine Coastal Ecosystem for Addressing Planetary Health</p>	11:15 AM
<p>Johnson, Alan Landscape Ecology and the Biological Invasion of Mars</p>	<p>George, Robert Long-Term Monitoring in the Era of Big-Data: Using Native Fish to Create Regional Instream Flow Thresholds for the Nation</p>		<p>Host, Trevor Incorporating Remotely Sensed Landscape Data to Enhance Forest Stand Inventory</p>	11:30 AM
<p>Huebner, Cyntia Estimating Spread Rates of Invasive Plants within Disturbed and Undisturbed Forests in Different Land Types</p>	<p>Chen, Liding Temp-spatial Change of Soil Nutrient in Riparian Landscape: A Case Study in Beijing, China</p>		<p>Gallensky, Alison Scientific Justification for Protecting National Forest Lands in Colorado and New Mexico</p>	11:45 AM
12:00 PM – 1:30 PM // ATTENDEE LUNCH & 12:30 PM – 1:30 PM // STUDENT- MENTOR LUNCH				

CONCURRENT SESSION GRID – MONDAY 1:30 PM – 3:00 PM

	SALON IV	SALON VI	SALON I/IV	SALON II
	(S01) Remote Sensing of Landscape Ecology: State of the Art/Science	(S02) Wildfire-driven Forest Conversion in Western North American Landscapes: Emerging Science and Implications for Resilience and Adaptation	(T05) Agricultural Landscapes	(S05) Species Distribution Models and Landscapes: Where Theory and Conservation Applications Collide
1:30 PM	Kumar, Jitendra Predominant Environmental Factors Controlling and Predicting Phenological Seasonality	Davis, Kimberley Wildfires and Climate Change Push Low-Elevation Forests Across a Critical Climate Threshold for Tree Regeneration	Burchfield, Emily Impacts of agricultural diversification on U.S. crop production	Zimmermann, Niklaus Species distribution models – history, state-of-art, challenges and applications
1:45 PM	Gustafson, Eric Injecting a dose of reality into forest landscape models using remote sensing	Rodman, Kyle Limitations to Recovery Following Wildfire in Dry Forests of Southern Colorado and Northern New Mexico, USA	Trammell, Jamie Designing integrated (food, energy, water) solutions for intensive agricultural landscapes in the Magic Valley of Idaho using alternative futures	Edwards, Thomas Species Distribution Models and Landscapes: Where Theory and Conservation Applications Collide
2:00 PM	Serbin, Shawn Leaf to Landscape Scale Remote Sensing of Arctic Vegetation Structure and Function	Hurteau, Matthew Quantifying abiotic and biotic controls on seedling survival in a post-burn environment	MacDougall, Brandon Assessing Mesopredator Occupancy Patterns in an Agricultural City	Edwards, Thomas Cont'd: Species Distribution Models and Landscapes: Where Theory and Conservation Applications Collide
2:15 PM	Adams, Bryce Mapping continuous forest gradients with harmonic regression of Landsat time series across southeastern Ohio	Littlefield, Caitlin Likelihood of recovery increases with time since fire across climatic domains	Botzas-Coluni, Julie Anne The Effects of Farmland Heterogeneity on Ecosystem Service Provision	Jones, Chris Dynamic Species Distribution Modeling for Management of Emerging Pests and Pathogens
2:30 PM	Mills, Richard Scalable Tools for Analysis of Massive Remote-Sensing Datasets on High-Performance Computers	Fornwalt, Paula Understory vegetation changes in the decade following the Hayman Fire, Colorado	Ramalho, Werther Environmental filtering and biotic interactions mediate the spatial co-occurrence of pond-breeding anurans at local and landscape scales in the Brazilian Cerrado	Szewczyk, Tim Local management in a regional context: Simulations with mechanistic species distribution models
2:45 PM	Durden, David Spatio-temporal scaling of ecosystem measurements to broaden our understanding of heterogeneous landscapes	Coop, Jonathan Influences of post-fire climate and landscape pattern on ecological trajectories following high-severity fire in southwestern ponderosa pine and dry mixed-conifer forests	Caughlin, Trevor Disentangling Human and Natural Drivers of Tree Species Abundance in a Pastoral Landscape	Tracy, James Land cover risk assessment for important milkweed (<i>Asclepias</i> spp.) hosts of monarch butterflies in the South-Central US

3:00 PM – 3:20 PM // COFFEE BREAK WITH SPONSORS

CONCURRENT SESSION GRID – MONDAY 1:30 PM – 3:00 PM

SALON III	GREEN & GOLD	LEGENDS	RAMS	
(S06) Gene Flow in Tropical Landscapes	(T06) Urban Landscapes	(T07) Wildlife-Landscape Interactions	(T18) Conservation Biology	
<p>Jaffé, Rodolfo Everything you always wanted to know about gene flow in tropical landscapes (but were afraid to ask)</p>	<p>Wang, Jia Time-series analysis reveals intensified urban heat island effects but without significant urban warming</p>	<p>Duchardt, Courtney A bird's eye view on ecosystem engineering at a grassland-sagebrush ecotone</p>	<p>Amidon, Fred Modeling the Distribution of an Endangered Hawaiian Moth with Native and Non-Native Host Plants: Implications for Conservation</p>	1:30 PM
<p>Espinosa Flores, Maria Eugenia Gene Flow and Diversity of Bobcats in a Highly Urbanized Landscape in Central Mexico</p>	<p>Maresh Nelson, Scott B. Can Grassland Birds Rely on Vegetation Cues to Select High-quality Habitats in Human-dominated Landscapes?</p>	<p>Sofaer, Helen Human-associated Species Dominate Songbird Communities Across the United States</p>	<p>Elmore, Jared Assessing the potential for using weather radar to predict bird collisions.</p>	1:45 PM
<p>Latorre-Cardenas, Maria Camila Does land-riverscape shape genetic patterns of the Neotropical otter?</p>	<p>Ditmer, Mark Artificial Night Light and Noise Creates a Predator Buffet</p>	<p>Prebyl, Thomas Evaluating the conservation landscape for gopher tortoise</p>	<p>Walter, Jonathan Resilient lands and the diversity and stability of breeding birds in the Eastern USA</p>	2:00 PM
<p>Vázquez-Domínguez, Ella Microgeographic scale landscape genetics in two desert-dwelling rodent species from the Mapimi Biosphere Reserve</p>	<p>Jia, Liuyao Patterns and Drivers of Rapid Urbanization in A Montane Metropolitan Landscape of China: A Hierarchical Multiscale Analysis</p>	<p>Zeller, Kathy Multi-scale habitat associations for a suite of species in the Great Basin Ecoregion, USA</p>	<p>Zhang, Yuqian Examining Environmental Impacts of the Belt and Road Initiative: A Case Study of the Coca Codo Sinclair Hydroelectric Project in Ecuador</p>	2:15 PM
<p>Cultid Medina, Carlos Landscape-Genetic Consequences of Sun-Grown Coffee Matrix on the Andean Tropical Dung Beetle <i>Dichotomius cf. alyattes</i>, Colombia</p>	<p>Carr, Megan The Urban Rural Gradient Revisited: Changes in Forest-Landscape Structure Over Space and Time</p>	<p>Connor, Thomas Harnessing the metacoupling framework for wildlife conservation</p>	<p>Finn, Sean User-created, Implementable Conservation Planning: Recommended Practices for Landscape Conservation Design</p>	2:30 PM
<p>Magalhaes, Tatiana Plant Functional Connectivity in Mexican Highlands Temporary Wetlands</p>	<p>He, Hong S. Future forest carbon sink dynamics in the southern United States under climate change: great effects of disturbances and forest aging</p>	<p>Gade, Meaghan Multiple environmental gradients influence the distribution and abundance of a key forest-health indicator species in the Southern Appalachian Mountains</p>	<p>Kammerer, Melanie Landscape Resources and Risks Mediate Wild Bee Richness and Abundance</p>	2:45 PM
3:00 PM – 3:20 PM // COFFEE BREAK WITH SPONSORS				

CONCURRENT SESSION GRID – MONDAY 3:30 PM – 5:30 PM

	SALON IV	SALON VI	SALON I/IV	SALON II
	(S01) Remote Sensing of Landscape Ecology: State of the Art/Science	(S02) Wildfire-driven Forest Conversion in Western North American Landscapes: Emerging Science and Implications for Resilience and Adaptation	(T05) Agricultural Landscapes	(S05) Species Distribution Models and Landscapes: Where Theory and Conservation Applications Collide
3:30 PM		Parks, Sean Living on the edge: trailing edge forests at risk of fire-facilitated conversion to non-forest	Rieb, Jesse The Effects of Landscape Structure on the Provision of Multiple Ecosystem Services	Hepinstall-Cymerman, Jeffrey Regional versus local species distribution models: what to do when what defines habitat for a species varies across space?
3:45 PM	Shiklomanov, Alexey Cutting out the middleman: Calibrating and validating an ecosystem model using remotely sensed surface reflectance	Higuera, Philip Consequences of climatic thresholds for projecting fire activity and ecological change	WEI, WEI Assessment of Multiple Ecological Benefits of Terraced Landscapes	Iverson, Louis Analysis of Climate Change Impacts on Tree Species of the Eastern US: Wall-to-Wall Results of DISTRIB-II and SHIFT Modeling
4:00 PM	Peters, Matthew Ecological Modeling with a Hybrid Lattice	Stevens-Rumann, Camille Fire-driven forest conversion: where is it novel and how to promote functioning ecosystems	Latimer, Christopher Agricultural diversification interacts at farm and landscape scales to influence physiological stress responses of birds in U.S. agroecosystems	Goljani Amirkhiz, Reza Applying an Ensemble of Small Models to Predict Breeding Distribution of a Rare Species: Virginia's Warbler (<i>Oreothlypis virginiae</i>) at the Northeastern Periphery of its Range
4:15 PM	Fisher, Joshua ECOSTRESS: NASA's next-generation mission to measure evapotranspiration from the International Space Station	Kane, Van Are wildfires re-creating fire resilient forest structures at landscape-scales in northeastern Washington state?	Hu, Guang Decoupling species richness variation and spatial turnover in beta diversity across a fragmented landscape	Page, Jessica Using remotely-sensed data to assess landscape occupancy dynamics of forest dwelling passerines along the Gulf of Mexico
4:30 PM	Hessburg, Paul Using Repeat Aerial Photography to Evaluate Human-Caused Changes in Lifeform Patchworks and Their Potential Role in Forest Wildfire Resilience	North, Malcolm New reforestation practices for post-wildfire landscapes: building early resilience	Spangler, Kaitlyn Dynamics of agricultural land use in the US: Towards sustainable transitions	Ferraz, Katia Bridging the gap between researchers, planners and decision-makers for improving species conservation decision-making
4:45 PM	Potter, Kevin Take a Sip from the Firehose: Summarizing Remote Sensing Forest Health Data Collected across the Continent	Falk, Donald Restoring adaptive capacity for an unknown future	Xu, Zhenci Sustainability implication of irrigated agriculture in China's major crop production region	Clare, John Bringing Landscape Context into Wildlife Decision-Making: Making Species Distribution Models More Useful to Managers and Managers More Receptive to Species Distribution Models
5:00 PM	Fu, Yuanyuan Evaluating K-Nearest Neighbor (KNN) Imputation Models for Wall-to-Wall Aboveground Biomass Mapping in Northeast China	Naficy, Cameron Vegetation-mediated feedbacks on forest fire regime promote resilience to high fire frequencies in a fire-sensitive landscape of the Interior Rockies		Harris, Jonathan Interacting Gradients of Habitat Suitability and Habitat Quality: Spatial Distributions of Gray Vireo (<i>Vireo vicinior</i>) Nest-site Selection and Fate
5:15 PM	Crowley, Darrion Evaluation of Loafing Site Characteristics for Rio Grande Wild Turkeys in the Coastal Sand Plains of Texas	Prichard, Susan Wildfires as fuel reduction treatments: implications for landscape resilience		Discussion
5:30 PM – 7:00 PM // POSTER SESSION & SOCIAL WITH SPONSORS				

CONCURRENT SESSION GRID – MONDAY 3:30 PM – 5:30 PM

SALON III	GREEN & GOLD	LEGENDS	RAMS	
(S06) Gene Flow in Tropical Landscapes	(T06) Urban Landscapes	(T07) Wildlife-Landscape Interactions	(T18) Conservation Biology	
Ruiz-Sánchez, Eduardo Does continuous landscape means gene flow for a Neotropical woody bamboo?	Ma, Qun Spatial scaling of urban impervious surfaces across evolving landscapes: From cities to urban regions	Inman, Richard Multiscale Geographically Weighted Regression modeling improves prediction of genotype-niche associations in sister taxa of desert tortoise.	Lacher, Iara Spatial and temporal patterns of public and private land protection within the Blue Ridge and Piedmont ecoregions of the eastern US	3:30 PM
Côrtes, Marina Gene Dispersal by Seeds Within and Across Fragmented Landscapes in the Atlantic Forest	Padilla, Benjamin Location, location, location – Testing the ecological efficacy of a standardized landscape gradient framework	Crimmins, Shawn Accounting for Spatial Autocorrelation in Snow-Track Surveys for Terrestrial Carnivores	Wang, Jing From quantity to quality: Enhanced understanding on the changes in urban greenspace	3:45 PM
González-Rodríguez, Antonio Patterns of Seed- and Pollen-Mediated Gene Flow in the Mexican Oak <i>Quercus castanea</i> in a Fragmented Landscape	Nelson, Alec Identifying the Utility of Domains of Scale for Predicting Avian Occupancy Patterns	Novak, Michael Pinyon Jay (<i>Gymnorhinus cyanocephalus</i>) Nesting Habitat in Central New Mexico	Rivera, Christian Primate Hunting and Trade in Asia: Integrating Ethnoprimateology and Telecoupling Approaches for Conservation	4:00 PM
da Silva Carvalho, Carolina Genetic consequences of habitat loss in two endemic plants from Amazonian Savannas	Roselli, Megan Multi-scale Predictors of Tick Abundance and Tick-borne Disease Prevalence Across an Urbanization Gradient	Cade, Brian Intervals of Resource Selection Enhance Interpretations of Among-Animal Variation in Habitat Requirements	Watson, Keri Conserving Ecosystem Services and Biodiversity: Measuring the Tradeoffs Involved in Splitting Conservation Budgets.	4:15 PM
Wagner, Helene Cascading effects of tropical deforestation on pollen-mediated gene flow in a hummingbird-pollinated plant species	Sanchez, Karina The effects of urban landscape characteristics on avian diversity and abundance in Weld County, Colorado.	Basille, Mathieu Raccoons in Human-Dominated Landscapes of North America	Moshier, Shelby The Effects of Dredge Deposition on Avian and Intertidal Macroinvertebrate Biodiversity in Morro Bay, California	4:30 PM
Barbosa, Marcela Landscape Heterogeneity Limits Gene Flow in a Key Native Bee Pollinator in Brazil	Skabelund, Lee Urban Green Infrastructure Performance: Learning from Living Roofs, Rain-Gardens, and a Created Meadow	Farwell, Laura Using satellite image texture to map habitat heterogeneity and predict avian biodiversity across the conterminous U.S.	Schumaker, Nathan Population-scale Impacts of the Road Network on Maned Wolves in Brazil: Insights from a Mechanistic Simulation Model.	4:45 PM
Rico, Yessica Conserving genetic diversity and connectivity in Magnolia trees: the role of natural protected areas in Mexico	Li, Cheng Effects of urbanization on Watershed Water Balances across the Conterminous United States	Berini, John Ambient Temperature and Late-Summer Diet Interact to Influence Overwinter Survival in a Declining Moose Population.		5:00 PM
		Bevins, Sarah Large-scale Surveillance of Wild Bird Populations for Emergent Influenza Viruses		5:15 PM

5:30 PM – 7:00 PM // POSTER SESSION & SOCIAL WITH SPONSORS

CONCURRENT SESSION GRID – TUESDAY 10:00 AM – 12:15 PM

	SALON IV	SALON VI	SALON I/IV	SALON II
	(S07) NASA DEVELOP	(S08) Participatory Research in Land Change Science	(S09) Multi-sensor Data Integration for Time Series Analysis of Land-change and Natural Resources	(S10) Riparian Landscape Ecology: Patterns/Processes/Management of Dynamic Ecosystems
10:00 AM	Vorster, Anthony Fusing satellite monitoring of lodgepole pine forest mortality with aerial forest health surveys to characterize bark beetle outbreaks in the Intermountain West	Gaydos, Devon Dynamic Geospatial Simulations for Assessing Landscape-Scale Control of Forest Disease Spread in Oregon	Nguyen, Lan Characterizing land cover/land use from multi-sensor time series using a land surface phenology-based approach	Schook, Derek Cottonwood Dieback and Mortality after Streamflow Diversion, Great Basin National Park
10:15 AM	Sauri Ramirez, Jennifer Modelling the effect of climate change on phenological synchronization between a defoliator and its host: a spatial agent-based approach	Clark, Melissa Co-Production of Knowledge and Participatory Research as Frameworks for turning Science into Action: A Case Study of Resilient and Connected Landscapes	Chang, Tony Chimera: A deep-learning approach for fusing multi-sensor data for forest classification and structural estimation	Dixon, Mark Emerging Delta-backwaters on the Regulated Missouri River: Implications for Cottonwood Recruitment
10:30 AM	Carver, Daniel Employing NASA Earth Observations to Model Current and Historic Distribution of Crop Wild Relatives, in Support of USDA ARS Genetic Resource Conservation Efforts	Ordonez, Kimberly Spatial Clustering of Family Forest Owners for improving Invasive Plant Management in Indiana	Singh, Kunwar Mapping exurban land change through integration of repeat, multi-resolution remote sensing	Illeperuma, Nadeesha A Remote Sensing and Machine Learning Approach to Map and Analyze the Historical Expansion of Eastern Redcedar Along the Missouri River
10:45 AM	Seeley, Megs Analyzing Hurricane Influences on Coastal Water Quality and their Impact to Marine Ecosystems	Padonou, Elie Mapping changes in land use/land cover and prediction of future extension of bowé in Benin, West Africa	Filippelli, Steven Remote Sensing of Changes in Pinyon-Juniper Woodlands in the Great Basin and Pacific Northwest	Bywater-Reyes, Sharon Multi-scale influences of plant traits on river morphodynamics with implications for rivers in the presence of Tamarix versus Populus
11:00 AM	Higa, Erika Automated Wetland Hydroperiod Mapping by Integrating Optical Satellite Imagery and Synthetic Aperture Radar	Smart, Lindsey Informing Natural- and Working-Landscape Conservation in the Coastal Carolinas through Integration of Participatory Research and Geospatial Analytics	Vogeler, Jody Spatial and Temporal Patterns of Forest Change by Disturbance Agent Across Minnesota (1972-2015)	Manning, Aspen What is a river?: Riparian vegetation as an indicator of stream channel presence and connectivity in arid environments
11:15 AM	Wion, Andreas Chasing Tree Die Off: Improving our Ability to Forecast Regional Tree Mortality in Response to Extreme Drought Events	van Doorn, Natalie Tree mortality in a shade tree giveaway program in Sacramento County, California.	Heintzman, Lucas Assessment of Historical Changes in Hydrology as a Function of Surrounding Surface Well Features in the Texas Playa Wetland Region Using Landsat Imagery.	Whipple, Alexa Riparian Resilience in the Face of Interacting Disturbances: Wildfire, erosion and beaver (Castor canadensis) in grazed riparian systems of the western United States.
11:30 AM	Coats, Dane Estimating Soil Moisture in Semiarid Sagebrush Steppe Utilizing NASA Earth Observations	Jimoh, Saheed Olaide Exploratory Analysis of the Factors Influencing the area of Grassland Rent-in across the Pastoral Areas in Northern China.	Campbell, Anthony Time Series Change Analysis of mid-Atlantic Coastal Salt Marsh utilizing Google Earth Engine (1999-2018)	Knight, Anna Watershed Geomorphology and Disturbance Regimes Shape Vegetation Dynamics in Great Basin Riparian Ecosystems
11:45 AM	Jurkowski, Carl Evaluating Evapotranspiration and Water Budget Components in Semi-Arid Sagebrush Steppe		Thompson, Allison Using Remotely Sensed Landscape Metrics To Estimate Playa Ecosystem Services	Reynolds, Lindsay How will riparian plant guilds respond to future climate change scenarios between river basins and across different scales?
12:00 PM				Wilson, Natalie Assessment of Vegetation Response to Watershed Restoration in Southeastern Arizona and Northern Mexico using Remote Sensing and Field Methods
12:15 PM – 1:30 PM // LUNCH ON YOUR OWN & 1:30 PM – 5:30 PM // WORKSHOPS AND FIELD TRIPS				

CONCURRENT SESSION GRID – TUESDAY 10:00 AM – 12:15 PM

SALON III	GREEN & GOLD	LEGENDS	RAMS	
(T08) Fragmentation and Connectivity	(T09) Land-use Planning (A)	(T10) Land-use Land Cover Change	(T11) Climate Change	
Bastille-Rousseau, Guillaume Assisting landscape planning using GPS telemetry: A case study using elephant movement in Kenya	Wu, Jianguo Landscape Sustainability Science: Linking Biodiversity, Ecosystem Function, Ecosystem Services, and Human Wellbeing	Swartz, Timothy M. Development Creates Novel Habitats and Leads to the Diversification of Hemipteran Communities on a Caribbean Island	Wang, Wen J. The interactive effects of climate change and tree harvest on future tree species distribution changes	10:00 AM
Buchholtz, Erin Connectivity Comparisons and Considerations for Landscape Movements of the African Elephant	Schindler, Alexander The use of decision-support software to select candidate areas for lesser prairie-chicken conservation	LI, YINGJIE Exporting Agricultural Food Damages Domestic Seafood Security and Coastal Ecosystems	Duan, Shengwu Direct effects of warming climate and vegetation feedbacks are key for simulating insect outbreak regime	10:15 AM
Emel, Sarah Urbanization and Agriculture Act as Barriers to Functional Connectivity in a Fragmented Serpentine Barrens Grassland Plant	Surasinghe, Thilina Freshwater turtles in southwestern coastal Sri Lanka: Distribution and abundance outside the protected area network	Weisberg, Peter Landscape Dynamics of Pinyon-juniper Woodlands in a Warming Climate: Regional Expansion, Contraction, or Structural Transformation?	Fern, Rachel A spatially-explicit, landscape-scale model of methane flux from prairie pothole wetlands	10:30 AM
Marshall, Laura Demographic Trends in Community Functional Tolerance Reflects Tree Responses to Climate and Disturbance across the Southern Rocky Mountains	Bredeweg, Evan Implications of Shifting Precipitation Thresholds on Dispersal of Juvenile Frogs in a Changing Climate.	Sanchez, Georgina Forecasting Water Supply Stress through Integrated Models of Water Demand and Environmental Change	Walker, Jessica Mapping surface water change in California's Central Valley using the entire Landsat TM archive	10:45 AM
Larson, Courtney Recreation and wildlife conservation in a fragmented urban landscape	Sikarwar, Ankit Peri-Urban Dynamics in India: A Synergistic Approach to Estimate the Ratio of Land Consumption Rate to Population Growth Rate (SDG11.3.1) at Village Level Using Census and Satellite Data	Moreno, Rafael Characteristics and Limitations of Land Use/Cover Digital Data Sets for Monitoring the Extent and Changes in the Monarch Butterflies' Migratory Habitat Across the United States and Mexico	Mtsetfwa, Fezile Impacts of climate change on the distribution of large trees in savannas: Southern Africa, Eswatini	11:00 AM
De Jager, Nathan Interactive effects of wolf predation and climate change on moose-forest interactions at Isle Royale National Park, USA	Murphy, Dennis Outcome and Outputs: Economic Factors of Forest Restoration	Kinnebrew, Eva Cultivating Milkweed: The Impact of a Novel Crop on Detritivore Diversity	Huettmann, Falk Advanced Data Mining (Cloning) of Predicted Climate-Scapes and Their Variances Assessed with Machine Learning: An Example from Southern Alaska Shows Topographical Biases	11:15 AM
Sutherland, Ron The Eastern Wildway: Designing a Continental-Scale Habitat Network to Conserve Biodiversity from Florida to Quebec	Ojha, Nabaghan Improved Resilience of poor communities in India through Climate Resilient Infrastructures	Fullman, Timothy Innovation in aircraft sound modeling to explore human impacts in Arctic Alaska	Zhu, Xian The Spatiotemporal Vegetation Dynamics and Responses to Climate Factors Change in Loess Hilly Arid Region, China from 2000-2017	11:30 AM
O'Connell, Timothy Riparian Zones as Refugia and Dispersal Corridors for Forest Songbirds in the US Southern Plains		Paulukonis, Elizabeth A Multi-Species Vulnerability Assessment to Inform Conservation Prioritization Schemes in Coastal Georgia		11:45 AM
				12:00 PM
12:15 PM – 1:30 PM // LUNCH ON YOUR OWN & 1:30 PM – 5:30 PM // WORKSHOPS AND FIELD TRIPS				

CONCURRENT SESSION GRID – WEDNESDAY 10:00 AM – 12:00 PM

	SALON IV	SALON VI	SALON I/IV	SALON II
	(S12) Conservation Innovation Using Landscape Genetics: Novel Approaches of Integrating Landscape Ecology and Population Genetics to Address Conservation Problems	(S11) Unmanned Aerial Systems (UAS) in Landscape Conservation	(S13) Innovation in Spatiotemporal Landscape Design to Support Dynamic Conservation	(S14) Art-science Collaboration for Ecology/Conservation /Sustainability
10:00 AM	Waits, Lisette Building Community In Landscape Genetics	Frazier, Amy Unmanned aircraft systems and landscape ecology: are replication and reproducibility realistic?	Zhang, Yajun (Angie) Prioritizing Spatial Investment in Pollinator Conservation Practices in Farmland to Support Crop Pollination and Pollinator Health	Lopez, Bianca Art-science collaboration: an introduction
10:15 AM	Alexander, Nathan Assessing the efficacy of genetic distance metrics in gravity and general mixed effects models	Buyantuev, Alexander The use of unmanned aircrafts, web-cameras, satellites, and individual tree measurements in understanding and modeling forest phenology across scales	Drake, Joseph A patch is not a population: modeling dynamic spatio-temporal processes using graph theoretic approaches	Brevik, Kristian Disentangling Conservation Behavior: Fighting Right Whale Entanglement with Art
10:30 AM	Remfert, Jane Three-dimensional Landscape Genetics Using LiDAR Data	Cattau, Megan Ecological Stability and Disturbance - Recovery Dynamics in Southern Rockies Forests: Upscaling from the Tree- to the Landsat-level	Vincelette, Hannah Quantifying the effect of aircraft noise on bird behavior across national parks	Horton, Emily Rendering Visible: A Visual Ethnography Approach to Inform More Inclusive Small-scale Fisheries Governance in a Brazilian Marine Reserve
10:45 AM	Murphy, Melanie Diversity Begets Diversity: Support for the Habitat Heterogeneity Hypothesis Across Spatial and Temporal Scales Using Environmental DNA	Mattilo, Chloe Developing a Spectral Signature and Classifier for the Detection of an Invasive Perennial Forb in Rangelands with UAS Remote Sensing	Heinrichs, Julie Planting and Restoring Functional Sagebrush Within Burns: Evaluating Habitat and Population Outcomes for Sage-grouse	Field, Christopher Frameworks for using art as a tool for conservation behavior change
11:00 AM	Cullingham, Catherine Species Distribution Modelling using Genetic Data to Improve Large-scale Forest Management	Swayze, Neal Utilizing Unmanned Aerial Systems to Improve Mapping and Monitoring of Rare Plants	Johnson, Lea Toward a socio-ecological understanding of drivers of change in urban woodlands	Cho, Se Finding social innovation in the nexus of science and art
11:15 AM	Peterman, William Improvements in landscape resistance modeling: Accounting for heterogeneity in population size	Dixon, Adam Connecting soundscape measurements to intensive agricultural mosaics	Vazhnik, Veronika Incorporating the stakeholders into agricultural sustainability assessments	Tintori, Sophia STATION 15 - A short documentary film following one high school student's exploration of water in her city
11:30 AM	Burgess, Stephanie The Effect of Sampling Scale on Landscape Genetics Analyses for <i>Plethodon mississippi</i>	Kato, Akira 3D fire severity measurement using terrestrial laser scanner to quantify landscape patterns of tree mortality and survival	Ti, Yuxin A Dynamic and Continuously Changing Landscape Model Based on Spatiotemporal Methodologies: A Case Study of the Restoration of Peatlands in Dumai, Indonesia	Landsbergen, Kim Art Openings Are Open, Science Conferences Are Elite: Innovations We Can Learn from Ecological ArtScience Collaborations
11:45 AM	Stahlke, Amanda Mind the gap: Filtering and Imputation of Missing Genomic Data in Genotype-environment Association Studies	Wagner, Franklin Establishing the Cross-Compatibility of Aerial and Terrestrial LiDAR Systems for Quantifying Forest Structure and Function		Sullivan, Amy Using Art to Engage with Communities on Climate Change

12:00 PM – 1:30 PM // LUNCH ON YOUR OWN & 12:45 PM – 1:30 PM RICHARD FORMAN BOOK SIGNING, COFFEE & COOKIES

CONCURRENT SESSION GRID – WEDNESDAY 10:00 AM – 12:00 PM

SALON III	GREEN & GOLD	LEGENDS	RAMS	
(S15) Rural Land Change and the Capacity for Ecosystem Conservation and Sustainable Production in North America	(T12) Forest Ecology	(T13) Global and Climate Change (A)	(T14) Land-use Planning (B)	
Creed, Irena Wetlands – why they are essential for agricultural resilience	Boucher, Yan Fire is a stronger driver of forest composition than logging in the boreal forest of eastern Canada	Zhang, Bo Plant nutrient stress drives the up-slope shifts of wood species under warming climate	Sochi, Kei Landscape Planning for Land Use planning: High Conservation Value Mapping, and Oil Palm in East Kalimantan, Indonesia	10:00 AM
Dillon, Jasmine Landscape Characterization of Agricultural Sustainability Metrics	Maingi, John Elephant population trends and factors influencing their distribution in the Tsavo Conservation Area, Kenya	Boulanger, Yan Adverse effects of climate change on boreal bird communities accentuated by natural and anthropogenic disturbances	Li, Yangfan Coastal landscape resilience: Land-water-biodiversity nexus	10:15 AM
Kroebe, Roland The whole-farm model Holos and its utilization	Burnett, Jessica A novel method for tracking ecosystem trajectory and abrupt change in space-time: distance traveled.	Holsinger, Lisa Climate change likely to reshape vegetation in North America's largest protected areas	Xin, Li The dynamic management of flood respond to climate changes from the respective of "Chong" rivers resilient landscape planning	10:30 AM
Goslee, Sarah Drivers of Agricultural Diversity in the Continental United States	Prasad, Anantha Characterizing intraspecific variability of eastern white pine under climate change by combining provenance and demographic data	McGuire, Jenny Why We Need to Conserve for Change: Plant Biomes Turnover Rapidly in Response to Changing Climates	Rice, Mindy The complexity of using biological prioritization for land acquisition in the National Wildlife Refuge System	10:45 AM
Akhter, Fardausi Role of Field Boundary Habitats in Agro-ecosystems Health and Productivity	Christman, Morgan Effects of Land Use and Climate Variability on Beneficial Insect Diversity in Agronomic Crops of Utah	Knott, Jonathan Is Climate Change Driving Distributional Shifts of Forest Tree Communities?	Yu, Zhongyuan Analysis and Optimization of an Island Social Ecosystem	11:00 AM
Porensky, Lauren Using hyperspectral imagery to understand impacts of adaptive management on livestock production	Dobrowski, Solomon Coupled ecohydrology and plant hydraulics modeling predicts ponderosa pine seedling mortality and lower treeline in the US Northern Rocky Mountains	Li, Yi Conserving metacoupling connectivity between coastal protected areas in human-nature systems	Hale, Daniel Evaluating Social Processes Across the Urban-Rural Gradient Through Public Attitudes Toward Roadside Utility Vegetation Management	11:15 AM
Sclater*, Vivienne The Confluence of Ecosystem Services and Sustainable Production in the Southeastern USA: An LTAR approach	Bisbing, Sarah Support for subspecies designations in a widespread conifer: the influence of geographic barriers and climate on <i>Pinus contorta</i>	Murray, Rylee Vulnerability to changing thermal environments increases with latitude for populations of a temperate freshwater species	Pavlacky, David The Contribution of Farm Bill Conservation Practices to Regional Bird Populations in the Southern Great Plains	11:30 AM
Spiegel, Sheri Manuresheds: Redesigning crop-livestock agriculture for sustainable intensification	Morris, Jenna Effects of Historical Thinning Treatments on Resistance to Mountain Pine Beetle Outbreaks Differ Between Stand- and Tree-Scales			11:45 AM

12:00 PM – 1:30 PM // LUNCH ON YOUR OWN & 12:45 PM – 1:30 PM RICHARD FORMAN BOOK SIGNING, COFFEE & COOKIES

CONCURRENT SESSION GRID – WEDNESDAY 1:30 PM – 3:00 PM

	SALON IV	SALON VI	SALON I/IV	SALON II
	(S12) Conservation Innovation Using Landscape Genetics: Novel Approaches of Integrating Landscape Ecology and Population Genetics to Address Conservation Problems	(S16) Informing Conservation Actions Through Landscape Connectivity Innovations	(S17) Residential Landscape Ecology: Patterns of Biodiversity/Ecological Processes/Their Interactions	(S18) Bridging the Research-management Gap: Landscape Ecology in Practice on Western Public Lands
1:30 PM	Otero Jimenez, Beatriz Population connectivity of two tropical rodents in a coffee agroecosystem	Kennedy, Christina Managing the Middle: A Shift in Conservation Priorities based on the Global Human Modification Gradient	Andrade, Riley Applying metacommunity theory to residential landscapes	Hathaway, Ryan There are two kinds of land use planners: 1) Those who can extrapolate from incomplete data
1:45 PM	Fedy, Brad Quantifying Functional Connectivity: The Role of Habitat, Abundance, and Landscape Features	Theobald, David Calculating structural landscape connectivity using gradients of human modification	Nighswander, Gisele Drivers of herbivorous arthropod pest resistance in ornamental gardens	Cushman, Samuel The Center for Landscape Science as an example of a US Federal landscape ecology research group: lessons learned and challenges faced
2:00 PM	Combs, Matthew Rat Migration in the Cityscape: Multicity Landscape Genetics and Habitat Suitability Modeling of Urban Brown Rats	Shirk, Andrew A Dynamic Spatial Prioritization Tool for Biodiversity Conservation	Larson, Kelli Attitudinal and structural drivers of preferred versus actual residential landscapes in a desert city	Nelson, Lisa L. Monitoring the environmental settings of National Parks: Landscape dynamics, climate, and hydrology
2:15 PM	Borthwick, Richard Alternative quantifications of landscape complementarity to model gene flow in Banded Longhorn Beetle (<i>Typocerus velutinus velutinus</i>).	Halabisky, Meghan Reconstructing the past and modeling the future of meadow dynamics under climate change on the Yakama reservation	Davis, Amelie Uncovering Exurbia's Potential to Serve as a Refuge for Pollinators	Trammell, Jamie Landscape ecology in natural resource management: We are just getting started
2:30 PM	Torres, Melanie Local and landscape factors influence functional connectivity in an amphibian metapopulation: evidence from multiple lines of genetic inquiry	Kissel, Amanda Reconstructing Twenty Years of Wetland Hydroperiod Data from Satellite Imagery Provides Novel Methods for Answering Fundamental Ecological Questions	Jenerette, Darrel From wildland urban interfaces to anthropogenic landscape systems in southern California, USA	Aldridge, Cameron The importance of scale in sagebrush ecosystem and greater-sage grouse science
2:45 PM	Barbosa, Soraia Landscape genomics of adaptive differentiation of two sister species of Idaho ground squirrels	Anantharaman, Ranjan Harnessing computational advances in Connectivity Modelling: Enabling faster and new applications with Circuitscape v5	Padulles Cubino, Josep Ecological and social drivers of plant diversity in private yards from local to continental scales	Pilliod, David Increasing resistance and resilience of sagebrush landscapes through adaptive management
3:00 PM – 3:20 PM // COFFEE BREAK WITH SPONSORS				

CONCURRENT SESSION GRID – WEDNESDAY 1:30 PM – 3:00 PM

SALON III	GREEN & GOLD	LEGENDS	RAMS	
(T15) Fire in Landscapes	(T12) Forest Ecology	(T16) Global and Climate Change (B)	(T19) Social Science & Education	
Hayes, Katherine Landscape Context Mediates the effect of Shortening Fire Intervals in Boreal systems	Crockett, Erin Biodiversity Change Across Scales, Dimensions, and Facets of Diversity in Northern Forests	Cartwright, Jennifer Making Sense of all the Maps: A Regional Synthesis of Geospatial Datasets to Support Conservation in the Face of Climate Change	Zhou, Bingbing Sustainable landscapes and landscape sustainability: A tale of two concepts	1:30 PM
Coon, Jaime Grassland Bird, Arthropod, and Vegetation Responses to Invasive Grass Management: Results of a Landscape-Scale Experiment	Miller, Brian Coupling Agent-Based and State-And-Transition Simulation Models for Improved Ecological Projections	Zhang, Wenguang Cooling effects of wetlands on microclimate in semi-arid region of Northeast China	Egbuche, ChristianTooChi Landscape modification in small coastal environment within telecoupling catalysis of forest and environmental impact functional diversity	1:45 PM
Wan, Ho Yi Interaction of Fire, Climate, and Multiscale Habitat Selection of Spotted Owls: Past, Present, and Future	Ramirez, M. Isabel Forest disturbance and local weather: re-examining overwintering monarch butterflies exposure to extreme weather	Inglis, Nicole Scenic Drives and Fall Color Viewing in Colorado Impacted by Changes to Quaking Aspen Distribution Due to Climate Change	Bautista, Benedicto Science Clubbing: An Intervention Strategy in Environmental Literacy	2:00 PM
Rowell, Eric Quantifying Three-dimensional fuelbeds to characterize fire in frequently burned pine landscapes	Hoover, Jamie Surviving But Not Thriving: temporal and Multiscalar Riparian Changes Along Snake Creek in Great Basin National Park	Cady, Samantha Species-specific and Temporal Scale-dependent Responses of Birds to Drought	Field, Christopher Frameworks for using art as a tool for conservation behavior change	2:15 PM
Braziunas, Kristin Can We Manage a Future with More Fire? Fuels Treatments Dampen Increasing Fire Risk in the Wildland Urban Interface	Carver, Dan Using Ground-truth Sites to Assess the Capacity of the GlobeLand30 2000 and 2010 Forest class to Correctly Identify the Temperate and Tropical Forests in Mexico.	Wang, Wenjuan Population dynamics has greater effects than climate change on tree species distribution in a temperate forest region	Morzillo, Anita Landscape Characteristics Defining Sustainability of Rural Forest-Based Communities	2:30 PM
Xu, Wenru Reconstructing a Large Historic Fire and Post-Fire Forest Landscape Succession	Tracy, James Evaluating road mortality for eastern monarch butterflies during the fall migration in the southern central and coastal funnels		Hodson, Cody Assessing Variation in Relationships between Vegetated Landscapes and Urban High School graduation Rates among Social and Environmental Contexts	2:45 PM
3:00 PM – 3:20 PM // COFFEE BREAK WITH SPONSORS				

CONCURRENT SESSION GRID – WEDNESDAY 3:30 PM – 5:30 PM

	SALON IV	SALON VI	SALON I/IV	SALON II
	(S12) Conservation Innovation Using Landscape Genetics: Novel Approaches of Integrating Landscape Ecology and Population Genetics to Address Conservation Problems	(S16) Informing Conservation Actions Through Landscape Connectivity Innovations	(S17) Residential Landscape Ecology: Patterns of Biodiversity/Ecological Processes/Their Interactions	(S18) Bridging the Research-management Gap: Landscape Ecology in Practice on Western Public Lands
3:30 PM	Chaulk, Andrew Spatial and temporal dynamics of adaptive and neutral genetic variation in an alpine butterfly metapopulation.	Landau, Vincent Modeling Landscape Connectivity and the Effects of the US-MX Border Wall for the Northernmost Population of Jaguars	Cadotte, Marc Dissecting the success and impact of urban invasions	Prentice, Karen L. Moving forward - future considerations for public land management
3:45 PM	Forester, Brenna Expanding the Adaptive Landscape Genomics Framework: Linking Environmental Heterogeneity, Resilience Phenotypes, and Genomic Variation to Inform Climate Change Vulnerability in Tailed Frogs	Birch, Tanya Turning Pixels into Knowledge: Applying Google Earth Engine to Protecting Landscapes and Wildlife	Sinclair, James S. Stormwater ponds: potentially overlooked urban vectors for invasive species establishment and spread	Duniway, Mike Science and management across the energy development life cycle
4:00 PM	Razgour, Orly Integrating landscape genomics and ecological niche modelling to inform bat conservation under global change	Leinwand, Ian Mapping agricultural lands important for maintaining and restoring US grassland connectivity	Kurylo, Jessica Water brings green and faster decomposition to Southern California	Bradford, John Increasing drought and the future of restoration in western dryland landscapes
4:15 PM	Franckowiak, Ryan Seascape Genomics of Arctic Thick-Billed Murres (<i>Uria lomvia</i>)	Gabrielsen, Charlotte Evaluating Climate Connectivity for Proactive Landscape Conservation Planning in Alaska and Northwest Canada	Zhou, Weiqi Tree diversity and its socioeconomic drivers in Beijing's residential areas	Kauffman, Matthew Understanding wildlife migration, corridors, and habitat in the west
4:30 PM	Xuereb, Amanda Asymmetric oceanographic processes mediate dispersal, connectivity, and spatial patterns of genetic variation in the giant California sea cucumber: insights for marine spatial planning	Williamsom, Matthew Improving Connectivity Conservation by Incorporating Spatially-Explicit Estimates of Public Support for Conservation Action	Lepczyk, Christopher The importance of urban green spaces in residential landscape ecology	Schuster, Rudy Applying human dimensions in landscape level science and management
4:45 PM	Trumbo, Daryl Urbanization Limits Apex Predator Gene Flow but not Diversity Across an Urban-Rural Divide: Landscape Genomics of Pumas (<i>Puma concolor</i>) in Colorado, USA	Sage, Abigail Incorporating the Social Landscape into Wildlife Connectivity Planning for Grizzly Bears (<i>Ursus arctos horribilis</i>)	Minor, Emily The contribution of residential yards to urban canopy cover and landscape connectivity	Weltzin, Jake Towards a Landscape Science Strategy for USGS: applied research in support of public lands management
5:00 PM	Hyseni, Chaz Landscape Connectivity: Neutral And Adaptive Genetic Variation Across Space	Winiarski, Kristopher Multi-scale resistant kernel surfaces derived from inferred gene flow: An application with vernal pool breeding salamanders	Nguyen, Nguyet-Anh Invasive Plant Species in Urban Green Spaces within Metro Vancouver: Socio-economic Predictors	Carter, Sarah Identifying policy-relevant landscape indicators for monitoring vegetation in the Bureau of Land Management
5:15 PM	Zimmerman, Shawna Landscape Genetic Connectivity of Gunnison Sage-grouse		Wheeler, Megan Dynamics and Drivers of Native Plant Abundance in Privately Managed Urban Landscapes	Schultz, Courtney Policy Design to Support Landscape Approaches in Land Management
5:30 PM // DINNER ON YOUR OWN				

CONCURRENT SESSION GRID – WEDNESDAY 3:30 PM – 5:30 PM

SALON III	GREEN & GOLD	LEGENDS	RAMS	
(T15) Fire in Landscapes	(T12) Forest Ecology	(T17) Restoration Ecology	(T20) Ecosystem Services	
Henry, Mary Reconstructing Recent Fire History in the Aberdare Range, Central Kenya using MODIS Active Fire and Burned Area Products	Fraser, Jacob Effects of Forest Climate Adaptation Management Strategies on Forest Age Diversity and Species Distributions in Central Hardwood and Southern Pine Forests of the United States	Barber, Cristina Scaling-up Models of Tree Recruitment During Secondary Succession from Forest Inventory Plots to Landscapes	Galford, Gillian Driving Ecosystem Service Monitoring with Earth Observations- - Challenges and Opportunities	3:30 PM
Buma, Brian The Predictable, and not so Predictable, Spatial Distribution of Short Interval Fires Across the US West	Buonanduci, Michele Individual Tree and Local Tree Neighborhood Factors Affecting Mountain Pine Beetle-Induced Lodgepole Pine Mortality	Roll, Bruce Rethinking Landscape Conservation Implementation	Mitchell, Matthew Identifying areas important for ecosystem service provision across Canada	3:45 PM
Ferraz, Silvio Creating smart landscapes for improving ecosystem services in forest plantations at tropical region	Lucash, Melissa A Glimpse into the Future: Using Spatial Modeling and Virtual Reality to Visualize Forests under Climate Change	Arodudu, Oludunsin Synergies between Ecological Restoration and Energy Production- A Case of Bioenergy and Climate Change Mitigation Potential of Arid Wastelands in Northern Nigeria	ten Brink, Talya Ecosystem services resiliency of recreational fishing under landscape change	4:00 PM
Donovan, Victoria Multi-scale Vegetation Response to Large Wildfire Across the Great Plains	Olson, Stacey Shifts in Forest Structure and Composition Induced by Emerald Ash Borer Under a Changing Climate	Scholtz, Rheinhardt Scaling up on current approaches of brush management on private lands	Kreakie, Betty Large-Scale Landscape Drivers of Nitrogen in 150 Years of Fish	4:15 PM
Rayburn, Andrew Collaborative Forest Restoration and Fire-risk Reduction on Colorado's Wildland-urban Interface: Scaling Up Through Interagency Cooperation	Hargrove, William Using Non-Linear Temporal Rubber-Sheeting to Directly Compare Phenological Profiles and to Interpolate Missing NDVI Values	Klag, Graham Soil structure influencing the establishment, density and abundance of the Early blue violet (<i>Viola adunca</i>) in pacific northwest coastal prairie ecosystems	Gong, Mimi Linking Global Fisheries Consumption to Local Mangrove Ecosystems: An Input-Output Spatial Econometric Analysis	4:30 PM
Norman, Steven P. Contextualizing Appalachian fire with sentinels of seasonal phenology	Bell, David Does disturbance history mediate environmental drivers of live forest carbon change in a temperate coniferous forest landscape?	Murdock, Carol Not the Usual Suspects - How to Raise \$3 Million for Restoration by Following Common Threads	Song, Peihao Green Space Effects On Stormwater Runoff In Luohe, China, From Reality To Ideal	4:45 PM
Hoffman, Forrest Wildfire Mapping in Interior Alaska Using Deep Neural Networks on Imbalanced Datasets	Du, Haibo Opposite effects of temperature and water availability on recruitment and growth of <i>Betula ermanii</i> beyond the alpine treeline	Cannon, Jeffery Spatial patterns of restoration treatments in a mixed-conifer forest: impact on forest structure and light availability		5:00 PM
Simler, Allison Wildfire Limits the Spread, Intensity, and Mortality Impacts of an Emerging Infectious Forest Disease		Strand, Eva Applied Landscape Ecology: a new textbook		5:15 PM
5:30 PM // DINNER ON YOUR OWN				

POSTER SESSION & SOCIAL – MONDAY 5:30 PM – 7:00 PM

P-01	Ahamed, Sonya The Northern Expansion of the Forest Frontier: Exploring the Impact of Hydropower Infrastructure on the Boreal Forest
P-02	Allington, Ginger Assessing alternative restoration strategies in desertified rangelands of Inner Mongolia, China
P-03	Ayres, Gabrielle Regionally scaled adaptive forest management for production of climate-resilient ecosystem services
P-04	Bansal, Sheel Modeling methane emissions from prairie pothole wetlands
P-05	Beaudry, Frederic Patterns of habitat use by breeding birds on abandoned agricultural land
P-06	Bian, Hongyan Coupled human-environmental system responses to rapid urban expansion across a socioeconomic gradient: A case study in the Yangtze River Economic Belt
P-07	Brown, Haylie Restoration along the Front Range (Colorado) as a case study for assessing success
P-08	Brubaker, Kristen Using Lidar to Model Effects of Land Use Legacy on Current Forest Structure
P-09	Buck, Bryce Exploring the influence of field soil conditions on plant productivity and pollinator visitation
P-10	Butler, Eric The invasion ecology of ivy in Portland's Forest Park
P-11	Charton, Katherine Mapping spatially explicit vegetation gaps in Florida rosemary scrub
P-12	Cicchino, Amanda Optimizing hybrid detection using landscape genetic simulations
P-13	Connell, Lauren Private Lands Stewardship: A Model for Landscape-Level Conservation in the West
P-14	Cosentino, Bradley Landscape Change and Geographical Parthenogenesis in Whiptail Lizards
P-15	Costlow, Tyler Introducing the Natural Resource Condition Assessment for the Appalachian National Scenic Trail
P-16	Daniels, Melissa Invasive Plant Response to Windstorm Forest Canopy Damage
P-17	DiFalco, Steven Assessing Homeowner Attitudes towards Roadside Vegetation Management
P-18	Dimaggio, Alexandria Aboveground Biomass Estimation from Unmanned Aerial Systems in Rangelands
P-19	Douglas, Aubin Creating Optimized Landscape Management Plans From the Ground Up for Ecosystem Functions in Great Salt Lake Wetlands
P-20	Elliott, Jessica Understanding the Impacts of Emerald Ash Borer and Forest Structure on Understory Plant Invasion
P-21	English, Chambers LiDAR-Integrated Ecological Departure Analysis of a Protected Appalachian Watershed
P-22	Gass, Leila The 2016 National Land Cover Database: Improved Impervious Surface Data

P-23	Gharehaghaji, Maryam Drivers of Oak Regeneration failure in Dupage county Forest, Illinois
P-24	Gilbert, Jessica Diversity of Forest Structure Across the United States
P-25	Goslee, Sarah Understanding Agricultural Species Distributions in the Greenhouse, Field, and Landscape
P-26	Griffey, Vivian Improving Forest Management and Conservation with Airborne LiDAR Data Across Western Oregon
P-27	Hennig, Jacob Do the Movements of an Introduced Species Track with Aridland Resource Dynamics?
P-28	Iannone III, Basil V. Ornamental gardens and stormwater ponds: ecosystem services and disservices of increasingly common anthropogenic ecosystems
P-29	Jensen, Eric A Remote Sensing Approach to Resilience and Resistance in Sagebrush Systems of the Great Basin
P-30	Johnson, Erin Mapping Forest Cover Change during Cuba's Special Period and Beyond
P-31	Kachanova, Julia An Introduction Of Larches In North-Western Russia
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