





III Innovations in Invasive Species Management Conference The Coeur d'Alene Resort

December 10 th , 2019 SESSION 1 BAY 1/3, 4 and 5/6					
8:00am - 11:00am	Board meetings and special sessions				
9:00am - 11:00am	Columbia Basin Cooperat	ive Weed Management Are	a steering meeting		
8:00am - 9:30am	Biological control consor	tium meeting I			
9:30am - 11:00am	Biological control consor	tium meeting II			
11:00am-12:00pm	LUNCH (on your o	wn)			
12:00pm-12:40pm	1 KEYNOTE: Dickie Hall Project Director SGHT Habitat Restoration Project South Georgia Heritage Trust SGHT Habitat Restoration Project - The world's largest rodent eradication				
12:40pm - 1:20pm	2 KEYNOTE: Daniel Simberloff				
	BAY 1/3 BAY 4 BAY 5/6				
1:30pm - 2:00pm	3 John Morton Supervisory Fish & Wildlife Biologist, Kenai National Wildlife Refuge, U.S. Fish and Wildlife Service, Soldotna, AK	4 Sam King Stewardship Ecologist Tennessee Department of Environment and Conservation Division of Natural Areas	5 Rebecca (Becky) Niemiec Assistant Professor, Human Dimensions of Natural Resources Department, Colorado State University		

	managing invasives and translocating species to	The Tennessee state parks environmental license plate; making revenue work for parks	Motivating landowners to recruit their neighbors for invasive species control
2:00pm - 2:0pm	Coordinator U.S. Fish & Wildlife Service Pacific Region, Ecological Services Program Managed relocation: Native species preservation or invasive	Management Team Weeds in the woods: A technician's eye-view of invasive plant	8 Justin Bush Executive Coordinator, Washington Invasive Species Council Urban forest pest readiness: Increasing preparedness to introductions of new invasive insects and building connections between municipalities, state, and federal agencies
2:30pm - 3:00pm	Morton, Paul Heimowitz	10 Bryce Maxell Program Coordinator, Montana Natural Heritage Program Predicted habitat suitability modeling for invasive species and biocontrol in Montana	11 Lauren Kuehne University of Washington, School of Aquatic and Fishery Sciences, Seattle, WA Using eDNA to detect and monitor aquatic invasive plants in lakes
3:00 pm to 3:30 pm	BREAK (exhibitor s	sponsored)	
		SESSION 2	
	BAY 1/3	BAY 4	BAY 5/6
3:30pm - 4:00pm	12 Greg Haubrich Noxious Weed Coordinator Washington State Department of Agriculture	Garden Director of	14 Jessica Spencer Invasive Species Biologist U.S. Army Corps of Engineers
	distribution: Modeling	In my lifetime: From introduction and lag phase to invasion	Attempt to eradicate salt cedar from the state of Florida"
4:00pm - 4:30pm	15 Samantha Simon Executive Director,	16 Paul Heimowitz	17 Teagan Ward

	Emergency and Domestic Programs, U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine	U.S. Fish and Wildlife Service - Pacific Region,	Aquatic Invasive Species Program Coordinator City of Bellingham Whatcom boat inspections: Preventing the spread of aquatic invasive species in Whatcom County, Washington
4:30pm - 5:00pm	18 Bridgette Flanders Chief, Branch of Refuge Biology Regional Refuge Biologist Pacific Region One National Wildlife Refuges U.S. Fish and Wildlife Service Invasive plant management: Increasing the likelihood of success on national wildlife refuges"	19 David Coyle Department of Forestry and Environmental Conservation, Clemson University What have we done? The curious case of the Callery pear	20 Sara Cowell¹ and Susan Roe² ¹National Aquatic Invasive Species Advisor, Fisheries and Oceans Canada ²National Aquatic Invasive Species Manager, Fisheries and Oceans Canada Canada's aquatic invasive species regulations – protect freshwater and marine ecosystems from the introduction or spread of aquatic invasive species
5:00pm - 5:30pm	21 Mike Ielmini National Invasive Species Program Manager, U.S. Forest Service, National Forest System Headquarters WILD SPOTTER – Mapping invasives in America's wild places	22 Erin Stockschlaeder Ecologist, Fairfax County Park Authority More than pulling weeds, habitat restoration with volunteers	23 Sara Cowell National Aquatic Invasive Species Advisor, Fisheries and Oceans Canada eDNA: Bridging the gap between science and management
5:30pm - 6:00pm	24 Krista Lutzke Play Clean Go Program Manager PlayCleanGo	Corps of Engineers, Walla	26 Thomas Woolf Aquatic Invasive Species Bureau Chief, Montana Fish Wildlife and Parks Montana's aquatic invasive species program: Show us your mussels

6:00pm - 7:30pm

OPENING NIGHT RECEPTION

(sponsored by Invasive Plant Control Inc.)

December 11 th , 2019					
	SESSION 3				
	ВА	Y 1/3, 4 and 5/6			
7:00am - 8:00am	REGISTRATION and CONTINENTAL BREAKFAST				
8:00am - 8:10am	WELCOME AND OPENING REMARKS				
8:05am - 8:35am	27 KEYNOTE: Dan Tompkins IUCN Task Force and Technical Subgroup on Synthetic Biology Assessing the potential of synthetic biology approaches for pest management				
8:35am - 9:05am	28 KEYNOTE: Daniel Simberloff University of Tennessee Managing biological invasions: Progress, problems, and polemics				
8:35am - 9:05am	BREAK (sponsored by Invasive Plant Control, Inc. www.invasiveplantcontrol.com)				
		SESSION 4			
	BAY 1/3	BAY 4	BAY 5/6		
9:15am - 9:45am	29 Chuck Bargeron Associate Director, Center for Invasive Species and Ecosystem Health, University of Georgia, Bugwood: Past, present	30 Kevin Porteck Air Force Senior Natural Resource Manager, Silver Spring, MD Invasive species management in the Department of Defense	31 Jennifer Andreas Washington State Biocontrol Specialist, Washington State University Potential biocontrol options for flowering rush management		

9:45am - 10:15am	Washington State Department of Agriculture Haunted by cane toads? Beliefs and attitudes	33 Karen Laitala Blackfoot Challenge Weed Coordinator Powell County Weed Board Coordinator Community based invasive species management in the Blackfoot watershed	34 Rachel Brooks Plant Pathology Ph.D. Candidate in the School of Plant and Environmental Sciences at Virginia Tech University Biological control of the invasive tree-of-heaven (Ailanthus altissima) and its progress towards registration
10:15am - 10:35am	BREAK		
10:35am - 11:05am	Invasive Species Biologist, Everglades and Dry Tortugas National Parks, Florida	36 Shawna Bautista U.S. Forest Service R6, Invasive Plant and Pesticide Use Coordinator ACP and a Tragic Tree Kill in Central Oregon	37 Gregg Goodman Senior Agriculturalist U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine Overview of the technical advisory group for biological control agents of weeds (TAG-BCAW)
11:05am - 11:35am	Technical Director, Civil Works, Environmental Engineering and Sciences, U.S. Army Corps of Engineers Technical Advisory Group for Biological Control Agents of Weeds (TAG) review of	39 Raymond Willard State Roadside Asset Manager Washington State Department of Transportation Applying transportation asset management to highway roadsides invasive species prevention through improved land use planning and management	40 John Gaskin Botanist, USDA ARS Sidney, MT Using genetics for invasive weed management; tales from flowering rush, common mullein, and a new thistle species in North America
11:35am - 12:05pm	Stockschlaeder Ecologist, Fairfax County Park Authority	42 Keely Hassett U.S. Fish and Wildlife Service Biologist Invasive Weed Management on Midway Atoll NWR	43 Hariet Hinz Country Director, CABI Switzerland Weed biocontrol agents in the pipeline for the western USA

BAY 1/3					
12:05pm - 1:00pm	SPONSORED LUNCHEON (by Invasive Plant Control, Inc. www.invasiveplantcontrol.com)				
1:00 pm to 2:00 pm	44 KEYNOTE: Dickie Hall Project Director, SGHT Habitat Restoration Project, South Georgia Heritage Trust RSPB Gough Island Restoration Programme – Saving the Tristan albatross				
		SESSION 5			
	BAY 1/3	BAY 4	BAY 5/6		
2:00pm - 2:30pm	Program Specialist, Great Lakes Commission Utilizing an adaptive management approach for invasive species management: Implementing the Phragmites adaptive management framework	46 James Leary Assistant Professor, Aquatic Plant Management, Agronomy Department, Center for Aquatic and Invasive Plants University of Florida, Institute of Food and Agricultural Sciences Bio-economic models prioritizing east Maui watershed protection against Miconia invasion	47 Sonja Stutz Research Scientist, CABI Switzerland The challenges of synchronization in plant and insect phenology for conclusive results of host- specificity tests: the case study of a biocontrol agent on common tansy		
2:30pm - 3:00pm	48 Chuck Bargeron Associate Director, Center for Invasive Species and Ecosystem Health, University of Georgia ABCs of citizen science and data sharing	49 Alison Cohan and Caleb Wittenmyer Director, Maui Nui Forest Program The Nature Conservancy of Hawaii Forward looking InfrRed (FLIR)-enabled UAV use for detecting ungulates and guiding on-the-ground hunts in The Nature Conservancy's Maui Nui forest program	50 Bryce Christiaens Chair, Montana Invasive Species Council Utilizing science advisory panels to inform invasive species management decisions		
3:00pm - 3:20pm	EXHIBITOR SPONSORED BREAK				
3:20 pm to 6:00 pm	SESSION 6				
	BAY 1/3	BAY 4	BAY 5/6		
3:20pm - 3:50pm	51 Morgan Valliant	52 Robert Blair	53 Justin Bush		

	Conservation Lands Manager, Missoula Parks and Recreation Evaluating the ecological impacts of common buckthorn in Montana	Owner- Three Canyon Farms Drones for agriculture and invasive species use	Executive Coordinator, Washington Invasive Species Council Lake Roosevelt enhanced response exercise: Taking invasive mussel preparedness to new heights and building connections between tribes, state, and federal agencies
3:50pm - 4:20pm	54 Clancy Jandreau Conservation Lands Research Coordinator, Missoula Parks and Recreation Integrating control of spotted knapweed by exploiting its life cycle	55 Andrew Howell Graduate Research Assistant, North Carolina State University Autonomous robotics for identification and management of invasive aquatic plant species	56 Jenifer Parsons Natural Resource Scientist, Washington State Department of Ecology The Columbia River Basin Cooperative Weed Management Area – an interstate and international framework for flowering rush control in the Pacific Northwest
4:20pm - 4:50pm	Invasive Plant Council	58 Dawn Slack Director of Stewardship, and Project Coordinator for the Indiana Invasives Initiative The Nature Conservancy and Southern Indiana Cooperative Invasives Management Group Indiana Invasives Initiative – Engaging on a county by county basis to build capacity for conservation	with preventing and
	BAY 1/3		
5:00pm - 5:30pm	60 Steven Manning President, Invasive Plant Control, Inc. Invasives free USA		
6:00 pm to 7:30 pm	RECEPTION AND LIGHTS CRUISE ON THE LAKE		

	December 12th, 2019 BAY 1/3			
7:30am – 8:00am	CONTINENTAL B	CONTINENTAL BREAKFAST		
8:00am - 8:45am	61 KEYNOTE: Iain Paterson¹, Martin Hill², Andrew Wannenburgh³ ¹Senior Researcher, ² Professor & Head of Entomology, Centre for Biological Control, Rhodes University, Grahamstown, South Africa ³Ecologist of Chief Directorate, Natural Resource Management Programmes, Department of Environmental Affairs, Cape Town, South Africa The Working for Water programme: Invasive plant control and poverty alleviation			
	SESSION 6 cont.			
	BAY 1/3	BAY 4	BAY 5/6	
Director of Operations, Working Dogs for Nor Conservation (WD4C) Gree Innovative applications	machine	64 Gino Graziano Invasive Plants Instructor, University of Alaska Fairbanks Choking out the chokecherry: effective basal bark treatments of Prunus padus, an invasive and toxic plant invading the boreal forests of Alaska		
9:30am - 10:00am	65 David Kluttz Managing Member Lakeland Restoration	66 John Lampe Founder of Green Shoots, LLC, Saint Paul, Minnesota	67 John Madsen Research Biologist, USDA ARS Invasive Species and Pollinator Health Research Unit,	

	conditions to manage invasive and nuisance aquatic plants	for precision applications of herbicide sprays and foam	University of California-Davis, Plant Sciences Department Using aquatic herbicides to manage the West's invasive aquatic plant species
10:00am – 10:15am	BREAK (sponsor Council www.nrig	ed by Northern Roc oc.org)	kies Invasive Plant
	68 Curtis Pearce, Uprooter Founder and CEO	dican bancs, me.	70 Harry Quicke Western Stewardship and Development Manager, Vegetation Management, Bayer
10:15am - 10:45am	Time value of mechanical plant removal	Curly-leaf pondweed newly arrived in the waters next to the Coeur d'Alene resort	Environmental Science Depleting the seed bank – Key to restoration of annual grass infested lands
10:45am - 11:15am	Heatweed Technologies – The weed control company Invasive plant species	72 Blaine Parker Columbia River Inter-Tribal Fish Commission, Sturgeon Project Lead, Fisheries Management Department, Portland, OR	73 Jim Bean Strategic Accounts Manager, BASF Plateau herbicide for invasive weed control: Do you really know how to use it?
11:15am - 11:45am	Strategies for restoring	rough and broken country,	
11:45am - 12:15pm	77 James Castle Wildlife Biologist, U.S. Army Corps of Engineers, Walla Walla District Burbank, WA	Organizing a weed wrangle in your state	79 Shannon Clark Postdoctoral Researcher, Colorado State University Evaluating native species response to indaziflam applications in natural areas and rangeland

	Organic methods for invasive species management		
		BAY 1/3	
12:15pm -1:00pm	SPONSORED LUI (by the Pacific No	NCHEON orthwest Invasive Pla	ant Council)
1:00pm - 2:00pm	80 KEYNOTE: Dan Ton Project Manager: Science	npkins Strategy, Predator Free 2050	
	Developing the Tools for	Predator Free 2050: Progre	ss to date and future strategy
	SESSION 7		
	BAY 1/3	BAY 4	BAY 5/6
2:00pm – 2:30pm	Regional Director. American Conservation Experience American conservation experience (ace) invasive species strike team. Building partnerships with	Research Coordinator, Flathead Lake Biological Station, (FLBS), University of Montana Finding localized populations of AIS: can a PCR machine source track and provide true early detection?	83 Andrew Kniss Professor & Head Department of Plant Sciences University of Wyoming Public scrutiny about glyphosate
2:30pm – 3:00pm	Research Ecologist USDA-ARS Invasive Plant Research Lab, Ft. Lauderdale, FL Shared parasitoids and apparent competition: Looking for indirect effects in Florida's weed biological control agents	Sciences, University of Idaho Invasive fishes in Idaho	86 James Leary Assistant Professor, Agronomy Department, Center for Aquatic and Invasive Plants, University of Florida Efficacy of an In-water Treatment with the New Aquatic Herbicide Florpyrauxifen-benzyl on Hydrilla verticillata in Florida

3:00pm – 3:30pm	87 Susan Panta Graduate Research Assistant, EPPN Department, University of Idaho A novel approach to host-specificity testing in weed biological control for plant species restricted to specialized soil types	Assistant Professor Department of Agricultural Economics and Rural Sociology University of Idaho The economics of invasive species: an overview of	89 Nic Zurfluh Section Manager, Invasive Species Outreach and Coordination Idaho Department of Agriculture Idaho watercraft inspection program, Preventing the spread of aquatic invasive species
3:30pm – 3:50pm	BREAK (sponsore	ed by Northern Rock	cies Invasive Plant
3:50pm – 4:20pm	90 Joey Milan Biocontrol Specialist, USDI Bureau of Land Management, Boise, ID A post-biological control release assessment tool	Biocontrol Center: Project overview and services	92 Jeremy Varley Section Manager Noxious Weeds, Idaho Department of Agriculture Idaho Aquatic Noxious Weeds Program, an update on the infestations and treatments occurring in Idaho by ISDA
4:20pm – 4:50pm	93 Bijay Subedi Graduate Research Assistant, EPPN Department, University of Idaho Examining pre-alightment host-selection of a biological control candidate Ceutorhynchus rusticus for Isatis tinctoria in response to olfactory and visual cues of nontarget confamilial plants	94 Meg Duhr Integrated Pest Management Specialist Mid-Columbia River and Central Washington National Wildlife Refuge Complex, U.S. FWS Multi-agency mission support: How a unique	Biological Sciences, Boise State University Using multiple molecular markers to reconstruct the invasion of Taeniatherum caput-medusae (Poaceae, medusahead) in the western

4:50pm – 5:20pm	96 Mark Schwarzländer Professor, Department of Entomology, Plant Pathology and Nematology, University of Idaho A new hope - Biological control of houndstongue may finally come to the	97 Robyn Carlton Executive Director, Lookout Mountain Land Conservancy Hands and heart A story of transforming land that ultimately changed lives	98 Jessie Palopski Education and Communication Manager, East Kootenay Invasive Species Council, Cranbrook, BC Engaging participation in weed management through art-based workshops
5:20pm – 6:00pm	United States	JCCESS RECEPTIO	N
6:00pm – 8:00pm 6:00pm – 7:30pm	Satellite meetings for all interested		
7:30pm – 9:00pm	Biological control consortium meeting III Biological control consortium meeting IV		