

INTERNATIONAL CONFERENCE ON BIOLOGICAL INVASIONS 13TH EDITION



PROGRAM

The Neobiota conference program is still subject to adjustments due to the high number of participants. Only minor changes are expected, which will not affect the date of each presentation, but may impact the exact time slots. Please note that the conference begins on September 3rd with the workshops, and registration will open at 9:00 AM on the same day.



Ciências
ULisboa



UNIVERSIDADE
DE ÉVORA

>>> WORKSHOPS

TUESDAY SEPTEMBER 3RD

MORNING

1

@ROOM 6.2.53

Invasive alien species and their impacts on policy-sectors
BY JOINT RESEARCH CENTRE - EUROPEAN ALIEN SPECIES INFORMATION NETWORK

2

@ROOM 6.2.49

Bridging the lexical divide: unifying terminology for effective knowledge and management of biological invasions
BY IRENE MARTIN-FORES

3

@ROOM 6.1.36

Mapping and assessing the Cumulative IMPact of invasive Alien species: The CIMPAL index online workflow
BY HELIANA TEIXEIRA

4

@ROOM 3.2.16

LIFE Projects dealing with invasive species management
BY FILIPE RIBEIRO

3 HOUR DURATION

AFTERNOON

5

@ROOM 6.2.53

Increase research support to European Policy on alien species
BY IUCN

6

@ROOM 6.2.49

Living with the plague: zebra-mussel management in invaded systems
BY JOAQUIM REIS

7

@ROOM 3.2.16

Economic utilization of invasive species: an opportunity or a threat
BY GIOVANNI VIMERCATI

8

@ROOM 6.1.36

Citizen science and invasive alien species
BY ELIZABETE MARCHANTE

3 HOUR DURATION

6:00PM

WELCOME DRINKS C6 INNER GARDEN

1

9:00 AM **OPENING CEREMONY**

9:30 AM **PLENARY TALK**

Do uncontrolled invasion rates threaten ecosystem sustainability? **BY ANTHONY RICCIARDI**

10:00 AM Innovative control of the invasive tree species *Allanthurus altissima* with a natural, selective herbicide (Ailantex®) developed on the basis of the wilt fungus *Verticillium nonalfalfae* strain Vert56

BY EMMA BLACKWELL-ARPACI

10:15 AM Forecasting potential invaders to future-proof preventative biosecurity globally

BY ARMAN N. PILI

10:30 AM **COFFEE BREAK C3**

1

11:00 AM 20 years of *Heracleum* IAS eradication – Estonias experience

BY EIKE TAMMEKÄND

11:15 AM Risk posed by hornets to the provision of pollination-dependent food production

BY CAYETANO HERRERA

11:30 AM Temperature-dependent impact predictions for the invasive narrow-clawed crayfish (*Pontastacus leptodactylus*) relative to the signal crayfish (*Pacifastacus leniusculus*), and predicted range alterations under climate change

BY JAMES HODSON

11:45 AM Potential distribution of *Aromia bungii*, a new invasive pest in Europe

BY RAMONA MAGGINI

12:00 PM The management of despair: testing a common non-recommended method for mitigation of *Vespa velutina* damage in vineyards

BY YAIZA R. LUEJE

12:15 PM **LUNCH & POSTER SESSION C6**

1

2:00 PM **PLENARY TALK**

Setting the course for the future management of biological invasions in europe. **BY NURIA ROURA PASCUAL**

2:30 PM Barents Invasive Alien Species: Encouraging to IAS management through collaboration and communication

BY ELLA AHTI

2:45 PM Investigating the potential for biological control of the invasive aquatic plant, *Myriophyllum aquaticum*

BY ANNA TILLING

3:00 PM Dealing with uncertainty and conflicting objectives in the control of invasive alien species

BY SHAQUILLE MATTHYS

3:15 PM Aquatic invasive alien species (IAS) GIS-Viewer

BY LAURA HERNÁNDEZ SÁNCHEZ & MARÍA VERDUGO ALTHÖFER

3:30 PM Mobilizing citizens and stakeholders: The Portuguese Network for Invasive Species Study and Management

BY ELIZABETE MARCHANTE

3:45 PM Knowing the enemy: Impact of *Spanolepis seloanae* (Diptera: Cecidomyiidae) in seed germination of the invasive plant *Cortaderia seloana* (Poaceae)

BY MARÍA J. SERVIA

4:00 PM Preventing invasive species and being prepared: How key options identified by the IPBES are solved in Norway

BY ANE MARLENE MYHRE

4:15 PM **COFFEE BREAK C3**

1

4:45 PM Use of the rust fungus *Puccinia komarovii* var. *glanduliferae* for the management of *Impatiens glandulifera* in the UK

BY SONAL VARIA

5:00 PM Comparison of the attachment strength of invasive quagga and zebra mussels from the Rhine River depending on substrate type and water velocity

BY NICOLAS TRUNFIO

5:15 PM Nordic raccoon dog management 2010 – 2023 – successes, failures, and their associated reasons

BY FREDRIK DAHL

5:30 PM Prioritisation frameworks to guide IAS management decision making at multiple scales

BY AILEEN MILL

5:45 PM A paws for thought: Assessing the ecological footprint of domestic cats

BY LAWRENCE KIRKENDALL

6:00 PM Balancing the restoration of a native fish and the risks of hitch-hiking invasive species

BY GAUTE VELLE

6:15 PM Three-year survey of native and invasive small mammal communities in the Autonomous Port of Cotonou, Benin: community ecology, population genetics and pathogen detection

BY SYLVESTRE BADOU

6:30 PM Assessing invasion risks using EICAT-based expert elicitation: application to a conservation translocation

BY MAUDE VERNET

6:45 PM The issue of "sterile cultivars": *Duranta erecta* as a case study

BY DURAN CHETTY

1

9:00 AM **OPENING CEREMONY**

9:30 AM **PLENARY TALK**

Do uncontrolled invasion rates threaten ecosystem sustainability? **BY ANTHONY RICCIARDI**

10:00 AM Optimizing control strategies for invasive monk parakeets (*Myiopsitta monachus*): Insights from capture methods and bait preferences in Madrid

BY JON BLANCO GONZÁLEZ

10:15 AM Alien plants on the not so distant horizon: a risk screening of potentially invasive plant species in European-atlantic coastal dune habitats

BY TIM ADRIAENS

10:30 AM **COFFEE BREAK C3**

1

11:00 AM Demystifying the EU IAS Regulation

BY ANA NUNES

11:15 AM Bridging human, animal, plant/algal and ecosystem health in aquatic environments through One Biosecurity

BY JON BRAY

11:30 AM Vegetative growth and leaf composition in the invasive grass *Cortaderia selloana* after cutting

BY JAIME FAGÚNDEZ

11:45 AM Prevention and awareness of aquatic invasive alien species in the Iberian Peninsula by the LIFE INVASAQUA European project: Outcomes

BY CELIA LÓPEZ-CAÑIZARES

12:00 PM How to not stop an invasion: Blacklists as control and prevention measures for exotic freshwater turtles

BY JOÃO RATO

12:15 PM **LUNCH & POSTER SESSION C6**

1

2:00 PM **PLENARY TALK**

Setting the course for the future management of biological invasions in Europe. **BY NURIA ROURA PASCUAL**

2:30 PM Long-term sublethal exposure to polyethylene and tire wear particles: Effects on risk-taking behaviour in invasive and native fish

BY PANKAJ A. GORULE

2:45 PM Invasive alien species: improvement of understanding and communication

BY FRANCES E. LUCY

3:00 PM Rethinking EFSA pest risk assessment from the SEED: the next generation tools for climate suitability analysis and systematic literature search

BY ANDREA MAIORANO

3:15 PM Prioritizing invasive alien species in Italy

BY ANDREA MONACO

3:30 PM *Rhopilema nomadica* in the Mediterranean: Where from and why now?

BY ZAFRIR KUPLIK

3:45 PM Mapping the Spatial Distribution of Non-Indigenous Invertebrates in Recreational Marinas Across Mainland Portugal and Islands through DNA Metabarcoding

BY ANA S. LAVRADOR

4:00 PM Bridging Biology and Engineering: Advanced Solutions for Sun Coral Invasion

BY BÁRBARA SEGAL

4:15 PM **COFFEE BREAK C3**

1

4:45 PM Emerging parasite infects invasive rusty crayfish, tempers invasion impacts, and triggers ecosystem recovery

BY DONALD C. BEHRINGER

5:00 PM Managing the seed legacy of an invasive plant in coastal dunes

BY LILIANA N. DUARTE

5:15 PM A review of the effectiveness of different management methods for IAPs in woodlands and forests globally

BY LIZZIE KEEN

5:30 PM Invasive *Cryptotermes brevis*: a growing concern for wooden structures in Portugal

BY SÓNIA DUARTE

5:45 PM Phenological mismatches mitigate the ecological impact of a biological invader on amphibian communities

BY TEUN EVERTS

6:00 PM Time matters - the story of species-rich, semi-natural grassland restoration in a site dominated by invasive *Solidago* sp.

BY MAGDALENA SZYMURA

6:15 PM Assessing the effectiveness of *Trichilogaster acaciaelongifoliae* as a biological control agent against *Acacia longifolia* in Portugal: a System Dynamics Modeling approach

BY CATARINA AFONSO

6:30 PM Overlap two invasive ash pests in Europe: what's in the future hold?

BY KATERYNA DAVYDENKO

6:45 PM Environmental drivers and plant biodiversity influencing *Xylella fastidiosa* (Xf) impact across a mixed agriculture-forest landscape

BY RICARDO ENRIQUE HERNANDEZ-LAMBRAÑO

9:00 AM **OPENING CEREMONY**

5

9:30 AM **PLENARY TALK**

Do uncontrolled invasion rates threaten ecosystem sustainability? **BY ANTHONY RICCIARDI**

10:00 AM Biology and catchability of the Atlantic blue crab in a corridor habitat from the Mar Menor coastal lagoon (Western Mediterranean)
BY ANTONIO A HERRERO REYES

10:15 AM A synthesis on alien mammals threatened in their native range
BY LISA TEDESCHI

10:30 AM **COFFEE BREAK C3**

5

11:00 AM Biological invasions: the hidden side of the population level
BY RONALDO SOUSA

11:15 AM Stronger together: can gregariousness explain the first and only sea spider invasion in the world?
BY ANTOINE FLANDROIT

11:30 AM A meta-analysis of trait evolution in invasive plants with time since introduction
BY UDI SEGEV

11:45 AM Overlooked biodiversity losses: the fate of European crayfish ectosymbionts amidst the invasion of signal crayfish
BY FILIP LOŽEK

12:00 PM Diversity of benthic communities after 15 years of invasion of *Didymosphenia geminata* in Patagonian rivers
BY ALEJANDRA OYANEDEL

12:15 PM **LUNCH & POSTER SESSION C6**

5

2:00 PM **PLENARY TALK**

Setting the course for the future management of biological invasions in Europe. **BY NURIA ROURA PASCUAL**

2:30 PM Plant invasions in the Kruger National Park: what do we need to know and how to find it out?
BY PETR PYSEK

2:45 PM Abundance distributions of invasive and non-invasive terrestrial plant species
BY THOMAS NUHFER

3:00 PM Amsterdam Island – introduced mammals play critical role in the epizootic of avian cholera that threaten the seabird community
BY AUGUSTIN CLESSIN

3:15 PM Does the impact of invasive trees on temperate forests scale along their abundance gradient?
BY MARCIN K. DYDESKI

3:30 PM The invasion by *Rugulopteryx okamurae* in a barren-state dominated coast leads a phase-shift in rocky coastal systems
BY ALEJANDRO BERNAL-IBÁÑEZ

3:45 PM How (not) to use genetics to assess nativeness
BY MIGUEL CLAVERO

4:00 PM The threat of invasive alien species on the threatened species of the French overseas territories: an analysis of the French national IUCN Red Lists
BY YOHANN SOUBEYRAN

4:15 PM **COFFEE BREAK C3**

5

4:45 PM Travelling riverside blues: Long-distance migration of the invasive Atlantic blue crab
BY SERGIO BEDMAR

5:00 PM Perspectives on policy and governance for biological invasions: Legal, economic, and beyond
BY EVA MALTA-PINTO

5:15 PM Incorporating Local Insights Through Interviews and a Participatory Workshop for Invasive Species Management in Southeastern Iberian Arid Ecosystems
BY JESSICA BERNAL-BORREGO

5:30 PM Insights from studying one of the worse avian invaders in the world
BY ROI DOR

5:45 PM Aliens lying beneath the rhodoliths: new reports of Polychaeta non-indigenous species (NIS) found in Iberian Peninsula associated with crustose coralline red algae
BY DUARTE MARTINS

6:00 PM The rise of non-native species: characterizing Iberian freshwater fish communities to guide conservation strategies
BY ANA FILIPA FILIPE

6:15 PM Assessing the impact of invasive bleak on Iberian barbel habitat utilization in fluctuating flow environments
BY RENAN LEITE

6:30 PM Removing invasive kelp species in recreational marinas to preserve a native one
BY MARCOS RUBAL

1	8:30 AM	PLENARY TALK	How Citizen Science empowers people to tackle biological invasions. BY ELENA TRICARICO
	9:00 AM	Uncovering trophic variability of the invasive Atlantic Blue crab <i>Callinectes sapidus</i> along an invaded Atlantic area by stable isotopes BY ELENA ORTEGA JIEMENEZ	
	9:15 AM	Evaluating animal welfare for multicriteria decision analysis in the management of the invasive pond slider <i>Trachemys scripta</i> BY LISA ANDREA MOSER	
	9:30 AM	Bridge from observation to action: crafting effective management frameworks - lessons from the LIFE RIPARIAS Project BY SONIA VANDERHOEVEN & ARNAUD MONTY	
	9:45 AM	Assessing and mapping the cumulative impact of invasive alien species – the new CIMPAL index e-tool workflow BY HELIANA TEIXEIRA	
	10:00 AM	US state invasive species policies lack consistency, need coordination BY JACOB BARNEY	
	10:15 AM	The EFSA methodology for environmental risk assessment for invasive plant pests BY GIANNI GILIOLI	
	10:30 AM	COFFEE BREAK C3	
1	11:00 AM	Non-native species in tagus recreational marinas: which factors are more relevant to the establishment? Status, trends and monitoring BY INÊS AFONSO	
	11:15 AM	Detection of invasive and alien land planarians as threats to agriculture and ecosystem stability BY NIKOL KMENTOVÁ	
	11:30 AM	Invasion of a small peri-urban stream by the exotic New Zealand mud snail BY MANUELA ABELHO	
	11:45 AM	NIS-DNA: Early detection and monitoring of non-indigenous species (NIS) in coastal ecosystems based on high-throughput sequencing (HTS) tools BY SOFIA DUARTE	
	12:00 PM	Parasitic monogenean flatworms as tags for invasive aquatic vertebrates in Africa, using mitochondrial markers and historical collections BY MAARTEN VANHOVE	
	12:15 PM	LUNCH & POSTER SESSION C6	
2	2:00 PM	PLENARY TALK	Insights, challenges and opportunities in the global mapping of biological invasions. BY CÉSAR CAPINHA
	2:30 PM	The role of non-native species on river bioassessment BY JANINE P. DA SILVA	
	2:45 PM	Early detection tools for invasive insect species on Mediterranean islands: the case of Invasapp BY MAR LEZA	
	3:00 PM	Using DNA Metabarcoding for the Early Detection of Non-Indigenous Marine Macroalgae in Portuguese Recreational Marinas BY ANA RODRIGUES	
	3:15 PM	Global multi-taxa assessment of the adequacy of alien species occurrence data BY EDUARDO ARLÉ	
	3:30 PM	Citizen science platforms can effectively support early detection of invasive alien species according to species traits BY PABLO GONZÁLEZ-MORENO	
	3:45 PM	Data driven horizon scanning: Leveraging 10 years of monitoring programs and genetic data to identify potential invaders to Norway BY MARIE L. DAVEY	
	4:00 PM	Invasive non-native species legislation requires inspection to be effective BY OLAF BOOY	
	4:15 PM	COFFEE BREAK C3	
2	4:45 PM	Introduced fishes have distinct habitat use when compared to non-introduced fishes in the donor region but exhibit niche shifts in the recipient region BY SHAHAR CHAIKIN	
	5:00 PM	Dynamic modeling of <i>Rugulopteryx okamurae</i> : implications for ecological management and socio-economic impacts BY JOHN Y. DOBSON	
	5:15 PM	Validating Threshold Indicator Taxon Analysis for impact assessment of invasive species BY RAFAEL MACÊDO	
	5:30 PM	Large language models overcome the challenges of unstructured text data in ecology BY ANDRY CASTRO	
	5:45 PM	Does fouling species selectivity works with/on plastics? BY RAQUEL QUEIROGA	
	6:00 PM	Surveying and monitoring the extent of terrestrial invasive alien plant taxa in South Africa BY ANDREW WANNENBURGH	
	7:00 PM	COCKTAIL & CONFERENCE DINNER ACADEMY OF SCIENCES	

1	8:30 AM	PLENARY TALK	How Citizen Science empowers people to tackle biological invasions. BY ELENA TRICARICO
	9:00 AM	Can endangered native fish be used to control invasive amphibians? BY MANUEL SÁ SAMPAIO	
	9:15 AM	Pink salmon in Norway – assessment of risk to biodiversity, wild salmonids and aquaculture BY KJETIL HINDAR	
	9:30 AM	Seed bank dynamics of <i>Ludwigia</i> spp. – invaded ecosystems in Belgium BY OLGA DELANGE	
	9:45 AM	Prioritizing management actions for emergent invasive non-native plants through expert-based knowledge and Species Distribution Models BY FLAVIO MARZIALETTI	
	10:00 AM	Preventing invader's expansion: Development and assessment of a selective vertical slot fishway to preclude a non-native invasive cyprinid passage BY FILIPE ROMÃO	
	10:15 AM	Addressing Environmental Sampling Bias: a crucial oversight undermining the usefulness of Species Distribution Modelling in Geographic Risk Assessment of Alien Species BY ARMAN PILI	
	10:30 AM	COFFEE BREAK C3	
3	11:00 AM	Biogeographically novel and co-xenic novel associations are common in alien fungal and fungus-like plant pathogens BY ANNA SCHERTLER	
	11:15 AM	Competition between congeners: has the zebra mussel chance against the newcomer quagga mussel? A long-term monitoring study on the invasion dynamics of the quagga mussel in Lake Balaton, Central Europe BY CSILLA BALOGH	
	11:30 AM	Impacts of <i>Iris pseudacorus</i> invasion on the abundance of macrophyte species in tidal wetlands BY JESÚS M. CASTILLO	
	11:45 AM	Before the crescendo: Baseline assessment of fouling communities in Red Sea NEOM, NW Saudi Arabia, before coastal development and urbanization BY JUAN SEMPERE-VALVERDE	
	12:00 PM	Observed and Potential Range Shifts of Native and Non-Native Species with Climate Change BY BETHANY BRADLEY	
	12:15 PM	LUNCH & POSTER SESSION C6	
3	2:00 PM	PLENARY TALK	Insights, challenges and opportunities in the global mapping of biological invasions. BY CÉSAR CAPINHA
	2:30 PM	Plants that have naturalized as aliens abroad have also become more common at home during the anthropocene BY RASHMI PAUDEL	
	2:45 PM	Global impacts to nature, nature's contributions to people and good quality of life from the IPBES assessment on invasive alien species BY SVEN BACHER	
	3:00 PM	When glaciers retreat, invaders advance: the spread of introduced plants and invertebrates on the island of South Georgia BY WAYNE DAWSON	
	3:15 PM	A new perspective on the biogeography and macroecology of biological invasions in the Anthropocene BY FRANZ ESSL	
	3:30 PM	Investigating current limits to plant invasions in northern Canada BY PETER M. KOTANEN	
	3:45 PM	Linking the thermal response of seedlings of herbaceous species to naturalisation success BY MARGHERITA GIORIA	
	4:00 PM	Social-Ecological Network Modeling of Marine Fish Introductions in the Panama Canal BY MICHELLE HUEBEL	
		4:15 PM	COFFEE BREAK C3
3	4:45 PM	Indigenous Peoples Lands Harbor Fewer Invasive Species BY LAURA A. MEYERSON	
	5:00 PM	Database on the global human-mediated introduction of vector mosquitoes BY REBECCA PABST	
	5:15 PM	Temperature affects Mediterranean-scale variations in trophic position and isotopic niche width of the invasive Atlantic blue crab <i>Callinectes sapidus</i> BY RAFFAELE DE GIORGI	
	5:30 PM	Climate-driven range expansion: assessing <i>Siphonaria pectinata</i> 's response to rising temperatures BY ROCIO NIETO VILELA	

5

8:30 AM PLENARY TALK How Citizen Science empowers people to tackle biological invasions. **BY ELENA TRICARICO**

9:00 AM Field studies of ecological impacts of invasive plant species in Europe
BY MONTSERRAT VILÀ

9:15 AM Impacts of invasive plants on soil and its microbial communities in riverine habitats of a South African savanna
BY ANA NOVOA

9:30 AM A four-decade follow-up of the native fish communities and alien invasions in the lower tagus river
BY RUI RIVAES

9:45 AM Ethical dilemma in conservation: a trolley problem thought experiment
BY GUILLAUME LATOMBE

10:00 AM Stable isotope analysis reveals fish juveniles as a temporal dominant in the diet of invasive pumpkinseed (*Lepomis gibbosus*)
BY MICHAL HNILICKA

10:15 AM The stage of succession in the post-mining vegetation determines the inhibitory effect of both native and alien species
BY QUADRI A. ANIBABA

10:30 AM COFFEE BREAK C3

5

11:00 AM Multiple invasions, ecological opportunism and effects on pond biodiversity of a major amphibian invader, the marsh frog
BY MATHIEU DENOËL

11:15 AM Influence of the gudgeon *Gobio lozanoi* on native fish assemblages in a highly regulated Iberian river basin
BY FRANCISCO GODINHO

11:30 AM How does the impact of an invasive snake cascades down to arthropod communities?
BY JULIEN C. PIQUET

11:45 AM Competitive exclusion of native species by invasive conspecific within *Carassius* genus
BY MAREK SMEJKAL

12:00 PM Host-related traits influence the microbial diversity of the invasive signal crayfish
BY SANDRA HUDINA

12:15 PM LUNCH & POSTER SESSION C6

5

2:00 PM PLENARY TALK Insights, challenges and opportunities in the global mapping of biological invasions. **BY CÉSAR CAPINHA**

2:30 PM The impact of invasive alien plants on riparian vegetation in Kruger National Park
BY MARTIN HEJDA

2:45 PM Spatio-temporal dynamics and trophic ecology of free-ranging cats on a subtropical oceanic island
BY RICARDO ROCHA

3:00 PM Newly constructed small water bodies in agricultural landscape: from biodiversity support to reservoir of non-native species
BY MICHAL JANÁČ

3:15 PM Evidence of short-term response of rocky cliffs vegetation after removal of invasive alien *Carpobrotus* spp. within the Life Project LETSGO GIGLIO
BY ALICE MISURI

6

3:30 PM Railways as a source of alien plants
BY JOSEF KUTLVAŠR

3:45 PM Gravel-bed rivers in the southern hemisphere – a global hot spot for invasive plant species
BY GREGORY EGGER

4:00 PM From novel to native: plant-soil feedbacks depend on functional traits and residence time
BY CHRISTINE S. SHEPPARD

4:15 PM COFFEE BREAK C3

6

4:45 PM Plant naturalization is promoted by abiotic and biotic similarities but also by dissimilarities in evolutionary and anthropogenic histories between the native and non-native ranges
BY SHU-YA FAN

5:00 PM Invasive species dispersal on floating plastics in the Southeast Pacific: A comprehensive 3-year study of rafting in a temperate marine current system
BY SABINE RECH

5:15 PM Diet adaptation and invasive success of the common myna, signals of selection revealed by genetics
BY KAMOLPHAT ATSAWAWARANUNT

5:30 PM Quantifying AS occurrences and their association to common invasion corridors in mainland Ecuador
BY PATRICIA E. SALERNO

5:45 PM Modeling and predicting the distribution and impact of the highly invasive freshwater jellyfish *Craspedacusta sowerbii* in the catchment of lake kinneret
BY STEFAN DEHOS

6:00 PM Experimental assessment of the invasive potential of the two intraspecific lineages of the Ponto-Caspian amphipod - *Dikerogammarus villosus* (Crustacea: Amphipoda): does hybridization increase invasive potential?
BY KRZYSZTOF PODWYSOCKI

7:00 PM COCKTAIL & CONFERENCE DINNER ACADEMY OF SCIENCES

2

8:30 AM **PLENARY TALK**

The role of science in decision-making on invasive species policy and management. **BY SILVIA ZILLER**

9:00 AM The power, challenges and integration of Edna-based methods as a cornerstone for invasive species management
BY REIN BRYN

9:15 AM Platform NAJDIJE: Citizen Science as a valuable multilevel tool for study of alien invertebrates
BY JIRÍ SKUHROVEC

9:30 AM Using invasion-only Ecological Niche Models for predicting the expansion of invasive species
BY JOANA SANTANA

9:45 AM Let's talk aliens— Involving stakeholders in invasion science
BY THERESA HENKE

10:00 AM Lagging behind – what do we know about the parasitic fauna of alien fishes in the Mediterranean?
BY SHEVY BAT-SHEVA ROTHMAN

10:15 AM Using long-term biomonitoring data in invasion science: the case of riverine macroinvertebrate communities' invasibility
BY SIMONE GUARESCHI

10:30 AM **COFFEE BREAK C3**

2

11:00 AM Monitoring non-indigenous mobile species in port habitats using a standardized American protocol
BY PAULA MORETTI

11:15 AM New protocol to analyze alien species per-unit-effects and their response to socio-economic and environmental variables
BY FELIPE ESPINOZA

11:30 AM Four years of early warning and rapid eradication of common ragweed using citizen science: where are we now?
BY ARNAUD MONTY

11:45 AM Integrating habitat models and monitoring for sun coral control in a marine protected area in southern brazil
BY THIAGO CESAR LIMA SILVEIRA

12:00 PM A review of scenarios and models of biological invasions under the IPBES IAS assessment
BY JOANA R. VICENTE

12:15 PM **LUNCH & POSTER SESSION C6**

4

2:00 PM **PLENARY TALK**

Assessing effects of policy on ship-mediated invasions in marine ecosystems. **BY GREGORY RUIZ**

2:30 PM Ecosystem services and disservices provided by an invasive species – the case study of the manila clam in the tagus estuary
BY FREDERICO CARVALHO

2:45 PM Social-ecological networks and biological invasions: A case study of the invasive American mink in Iceland
BY FIONA S. RICKOWSKI

3:00 PM Burgeoning non-native species production hinders sustainable aquaculture
BY FRANCISCO J. OFICIALDEGUI

3:15 PM Long-term Impacts of the EU trade ban in the wildlife trade network
BY LUÍS REINO

3:30 PM Effects of historical land cover, environmental and anthropogenic factors on invasions by alien plants in the Czech Republic
BY MARTINA SYCHROVÁ

3:45 PM Uniting Science and Local Communities Efforts to Address the Signal Crayfish (*Pacifastacus leniusculus*) Threat in Montesinho Park
BY JANEIDE PADILHA

6

4:00 PM Experimental evaluation of habitat preferences of invasive crayfish species in Europe
BY ZUZANNA PLICHTA

4:15 PM **COFFEE BREAK C3**

6

4:45 PM Propagule pressure from historic U.S. plant sales explains establishment, but not invasion
BY MATTHEW FERTAKOS

5:00 PM The Story of an Introduced Soil Dweller in the Changing Climate of Ireland
BY CAROL MELODY

5:15 PM Complex selection processes pushing the redclaw crayfish invasion front in the Zambezi Floodplains Ecoregion
BY JOSIE SOUTH

5:30 PM Public information use in invaded aquatic communities – are invasive demersal fish species more effective than natives?
BY MATEUSZ AUGUSTYNIAK

5:45 PM Challenges of delivering scientific advice for evidence-based policies on invasive alien species in Belgium
BY ARNAUD JACOBS

6:00 PM **CLOSING CEREMONY**

6:30 PM **END**

3

8:30 AM **PLENARY TALK** The role of science in decision-making on invasive species policy and management. **BY SILVIA ZILLER**

9:00 AM When *Rugulopteryx okamurae* arrives: Spatio-temporal Patterns Influencing Community Structure in Invaded Habitats
BY MARTA FLORIDO

9:15 AM Effects of multiple global change drivers on invaded plant communities
BY DUO CHEN

9:30 AM Insularity and trophic position shape negative and positive impacts of alien ungulates on native biodiversity
BY GIOVANNI VIMERCATI

9:45 AM New fish introductions in a tropical lake could unleash interoceanic invasions in the Americas
BY GUSTAVO A. CASTELLANOS-GALINDO

10:00 AM Seasonal variability in the trophic ecology of three co-occurring invasive crayfish at a thermal locality
BY PARIDE BALZANI

10:15 AM Scoring the impact types of biological invasions
BY LAÍS CARNEIRO

10:30 AM **COFFEE BREAK C3**

3

11:00 AM Embryonic Thermal Tolerance: A Bottleneck for invasive or native species?
BY ÁNGELA RODRÍGUEZ RUIZ

11:15 AM Quantifying the magnitude of biological invasions using total biomass
BY FRANCK COURCHAMP

11:30 AM Competition between congeners: has the zebra mussel chance against the newcomer quagga mussel? A long-term monitoring study on the invasion dynamics of dreissenids in Lake Balaton, Central Europe
BY CSILLA BALOGH

11:45 AM The shrubification of the Antarctic: Increases in invasive woody plant species under climate change on islands in the Southern Ocean
BY TOM VORSTENBOSCH

12:00 PM River warming and predation pressure out-turn on growth and survival of native and alien freshwater gammarid species
BY SARA ROJE

12:15 PM **LUNCH & POSTER SESSION C6**

3

2:00 PM **PLENARY TALK** Assessing effects of policy on ship-mediated invasions in marine ecosystems. **BY GREGORY RUIZ**

2:30 PM Worldwide comparison of carbon pools and fluxes between coexisting native and non-native tree stands
BY PILAR CASTRO-DÍEZ

2:45 PM Initial findings from the integrative CONyza NETwork for Contemporary Trait evolution (iCONNECT)
BY DÁVID U. NAGY

3:00 PM Unraveling invasion success: A causal-network approach to linking major hypotheses in the field
BY FLORENCIA A. YANNELLI

3:15 PM Building an open atlas of knowledge for invasion science and beyond: key results of the enKORE project in the Hi Knowledge initiative
BY JONATHAN JESCHKE

3:30 PM Are the days of native species numbered? - Effects of global warming on the functional response of native European bullhead and invasive racer goby
BY ŁUKASZ JERMACZ

3:45 PM Plant invasions in habitats across the globe: adding the missing piece to the macroecological mosaic
BY ALESSANDRA KORTZ

4:00 PM Filling the urban niche: assessing Darwin's naturalization conundrum on invaded Italian bird communities
BY FABIO MARCOLIN

4:15 PM **COFFEE BREAK C3**

3

4:45 PM The global environmental impacts of invasive alien chytrid fungi on amphibians
BY ADRIÁN GARCÍA-RODRÍGUEZ

5:00 PM Rapid invasive spread of *Alternanthera philoxeroides* in tidal wetlands: stress tolerance and escape strategies counter salinity stress with sea level rise
BY BRENDA J. GREWELL

5:15 PM Invasive plant mats in riparian zones: a threat to soil microbial functional diversity and carbon and nitrogen stocks?
BY JONATAN RODRÍGUEZ

5:30 PM Potential distribution, observed impacts, and invasion risk of two non-native snapping turtles, *Chelydra serpentina* and *Macrochelys temminckii*
BY PARIDE BALZANI

5:45 PM Is the enemy of your enemy another enemy of yours? The quagga mussel replaces the zebra mussel in invaded areas: how and with what consequences?
BY JAROSŁAW KOBAK

6:00 PM **CLOSING CEREMONY**

6:30 PM **END**

6

8:30 AM PLENARY TALK

The role of science in decision-making on invasive species policy and management. **BY SILVIA ZILLER**

9:00 AM Shifts in dispersal traits of a heterocarpic plant across its invasion route
BY MICHAL GRUNTMAN

9:15 AM Expanding the Horizons of DeNIS: A Global Database on Marine Debris and Non-Indigenous Species
BY JOÃO CANNING-CLODE

9:30 AM Seed transport and landscape modelling to predict riparian plant invasion hotspots
BY JAMES HARDWICK

9:45 AM Estimating invasion dynamics of *Cactoblastis cactorum* in North America
BY LUIS OSORIO-OLVERA

10:00 AM Can *Solidago* spp. impede the establishment of a riparian forest on a restored river section? – Findings from the vegetation monitoring at the Lower Traisen River (Austria)
BY ISABELL BECKER

10:15 AM Winners and losers: short-term dynamics of alien species in the South African savanna in Kruger National Park
BY JAN CUDA

10:30 AM COFFEE BREAK C3

6

11:00 AM Naturalization of ornamental plants in the United States depends on cultivation and historical land-cover context
BY NICOLE KINLOCK

11:15 AM Assessment of the level of spread of alien fouling species from ports to nearby areas
BY JASMINE FERRARIO

11:30 AM Biological invasion risks from farming insect for food
BY ELÉNA MANFRINI

11:45 AM Shifting Dynamics in the Bay of Cadiz: Can the Native Green Crab Withstand the Blue Crab Invasion?
BY MD KHURSHID ALAM BHUIYAN

12:00 PM Dynamics of introduction alien fauna in New Caledonia
BY ROSELI PELLENS

12:15 PM LUNCH & POSTER SESSION C6

6

2:00 PM PLENARY TALK

Assessing effects of policy on ship-mediated invasions in marine ecosystems. **BY GREGORY RUIZ**

2:30 PM Predicting the next alien species – an impossible task?
BY HANNO SEEBENS

2:45 PM Exotic and invasive invertebrates in Europe's freshwaters: a pan-European overview
BY JEAN-NICOLAS BEISEL

3:00 PM Non-native fish in Hungarian waters, historical overview and recent trends in their distribution
BY PÉTER TAKÁCS

3:15 PM Time matters in fish invasions! Short window of anglers' engagement in control actions.
BY FILIPE BANHA

3:30 PM Networks of risk: international tourists as a biosecurity pathway into national parks
BY PHILIP HULME

3:45 PM From Down Under to all over the Europe – first century of Devil's fingers (*Clathrus archeri*), an alien fungus presence on the continent
BY SVEN JELASKA

4:00 PM COFFEE BREAK C3

6

4:15 PM Unraveling the Fire-*Acacia dealbata* Puzzle in Portuguese Ecosystems
BY CRISTINA LIMA

4:45 PM Shipping and species Introductions: The Azores as a Crucial Hub in Atlantic Marine Ecosystems
BY ANDREA Z. BOTELHO

5:00 PM A new tool to predict the spread of alien species between any two points worldwide through human transport on land and water
BY MAURIZIO BAGNARA

5:15 PM invasive alien plants in the city: where do "metropolitan aliens" like to be?
BY CHIARA MONTAGNANI

5:30 PM Distribution and host range of *Neoergasilus japonicus* (Ergasilidae), a highly invasive parasitic copepod
BY MARIA YU. TKACHENKO

5:45 PM CLOSING CEREMONY

6:00 PM END