

LIST OF EXPRESS PRESENTATIONS

- E1 Tomasz Szymura
Drivers of spatial bias in neophytes distribution data
- E2 Arman Pili
Advancing invasion science *in silico*: using *virToad* to simulate spatiotemporal invasion dynamics and management of a global invader for biosecurity decision support
- E3 Joaquim Silva
Using fire on fire-adapted invasive species – the case of *Hakea sericea* Schrad.
- E4 Mukesh Kumar
Comparative study of invasive and native shrub functional traits of chir pine forest in the central Himalaya
- E5 Giorgi Kavtaradze
Invasive alien woody plants in the protected areas of Georgia: invasive range, environmental impact and invaded forest habitats
- E6 Tsungai Zengeya
Trophic niche of an invasive generalist consumer: Australian redclaw crayfish, *Cherax quadricarinatus*, in the Inkomati River Basin, South Africa
- E7 Andrea Desiderato
Breath in, breath out: different physiological responses to oxygen and temperature variation of two genetically distinct lineages of *Dikerogammarus villosus*
- E8 Andrew Baggaley
Inference for epidemic models with time-varying infection rates: tracking the dynamics of oak processionary moth in the United Kingdom
- E9 Jonatan Rodríguez
Evaluating the effect of plant invasion eradication programs on plant-herbivore interactions in coastal habitats of the northwestern Iberian Peninsula
- E10 Sabrina Dietz
Reinforcing regulation with voluntary commitments – experiences on the implementation of the Bern Convention's Code of Conduct on Hunting and Invasive Alien Species
- E11 Ana Anđelković
What motivates volunteers to participate in the control and monitoring of invasive alien species?
- E12 Thomas Bodey
The economic cost of protecting islands from invasive alien species
- E13 Ana L. Nunes
The IUCN EICAT standard: its past, present and future

LIST OF POSTER PRESENTATIONS

TRENDS IN THE INTRODUCTION, SPREAD AND EVOLUTION OF BIOLOGICAL INVASIONS AT DIFFERENT SPATIAL AND TEMPORAL SCALES

- P1 Ella Fischer
Gastrointestinal parasites of Egyptian geese *Alopochen aegyptiaca* (Linnaeus, 1766) in Western Europe
- P2 Iulia V. Miu
Distribution and pathways of introduction of alien plant species in Romania
- P3 Ana Anđelković
Riparian areas as conduits of plant invasions in the Middle Danube Basin in Serbia
- P4 Nobinraja M
Genetic reconstruction of the invasion history of *Gambusia* spp. in India: exploring introduction routes and population structure of Mosquitofish
- P5 Arnaud Monty
Plant invasions along rural-to-urban gradients: different emerging patterns at different scales
- P6 Petr Pyšek
Catalogue of alien plants of the Czech Republic: a new edition
- P7 David Mifsud
Terrestrial and freshwater alien invertebrates in Sicily and Malta (Central Mediterranean)
- P8 Jan Čuda
Changes in occurrence and abundance of alien plant species over eight years along the Labe River
- P9 Martin Večeřa
Biogeography of neophyte invasions in European plant communities
- P10 Jan Pergl
Spread of alien plants along the Trans-Siberian railway: the effect of biogeographical zones
- P11 Mauro Bassignana
Expansion and potential distribution of the hybrid Japanese knotweed (*Reynoutria bohemica*) and of the South African ragwort (*Senecio inaequidens*) in Aosta Valley (Northwestern Italian Alps)
- P12 Josef Kutlvašr
Railways as a source of alien plants: a pilot study of the Central European freight corridors
- P13 Pietro Minissale
A database of alien plants present in Sicily and Malta: a comparison between two close Mediterranean islands with a common management plan
- P14 Hana Skálová
Generative reproduction of *Carpobrotus* spp.: the effect of genotype and environment on seed germination
- P15 Giuseppe Brundu
A synopsis on *Acacia* s.l. introduction, establishment and spread or failure in Italy
- P16 Arnaud Albert
What recent discoveries of new alien plants introduced in metropolitan France?
- P17 Fiona Rickowski
How do social-ecological factors affect long-term population dynamics of the American mink across its invasive and native ranges?
- P18 Lado Basilidze
Distribution and abundance of invasive alien woody species in the protected areas of Georgia
- P19 Maria L. Castillo
Accounting for evolutionary processes during large-scale plant invasion: the case of *Carpobrotus* spp.
- P20 Sonja Rozman
Prioritisation of pathways of invasive alien species in Slovenia
- P21 Petr Pyšek
SynHab: a global synthesis of plant invasions across habitats
- P22 Ioannis Bazos
Compiling the national list of invasive alien species of Greece: the plant taxa
- P23 Anikó Csecserits

No changes in the invasion level of primary and secondary grasslands in Central Hungary over the past decade

- P24 Pavel Pipek
Parrots on the run: patterns of escapes of potential invaders in an uninvaded country
- P25 Barbara Tokarska-Guzik
Invasive alien plants in Poland – results of combining theoretical and practical aspects
- P26 Barbara Tokarska-Guzik
Current distribution and participation in plant communities of *Grindelia squarrosa* in Europe

NOVEL TOOLS AND METHODS FOR DETECTION, MAPPING, MONITORING AND CONTROL OF INVASIVE ALIEN SPECIES

- P27 Miloš Buřič
Hard to deal with: attempts for eradication of marbled crayfish from a small urban pond
- P28 Marjaana Hassani
How to tackle with invasive plant species and sustainable energy production
- P29 Bram D'hondt
Camera-trapping in support of the control of Chinese muntjac in a suburban park in Belgium
- P30 Jiří Skuhrovec
Citizen Science as a valuable tool for monitoring of alien taxa, *Rhagoletis completa*
- P31 Zahra Bitarafan
Steam treatment for sustainable control of Bohemian knotweed in soil masses
- P32 Arthur Lamoliere
Application of spectral signature of selected Invasive Alien Plants (IAPs) of Malta and Sicily for ecological monitoring
- P33 Sonia Vanderhoeven
The LIFE RIPARIAS project – *Reaching Integrated and Prompt Action in Response to Invasive Alien Species*
- P34 Vanessa Lozano
Ecological niche dynamics of invasive alien plant species of European Union concern in Italy
- P35 Yves P. Klinger
iPhenology – a new approach to analyze phenological patterns
- P36 Daniel Mangion
Fighting Alien Species Trans-border. A Citizen Science perspective
- P37 Kateřina Berchová Bímová
Should reproduction mode in knotweeds change the management approach?
- P38 Johan van Valkenburg
Surveillance, inspection, ID tools and how it all comes together to control invasive alien plants
- P39 Joaquim Silva
Using genetic markers to study the naturalization of cultivated tree species – the case of *Eucalyptus globulus* Labill.
- P40 Frédérique Steen
Developing a prioritization framework for the management of invasive species under climate change for the Flemish Waterways: drafting the priority species list

RELATIONSHIPS BETWEEN WEEDS AND INVASIVE ALIEN PLANTS (SPECIAL JOINT SESSION WITH EWRS)

- P41 Boglárka Berki
Short-term effects of shoot cutting of an invasive perennial herb, *Asclepias syriaca*, on native vegetation composition of old fields
- P42 Sevgi Uyar
Alien plants in weed flora of olive orchards in the Koprübaşı District, Turkey

PAST, CURRENT AND FUTURE DRIVERS RESPONSIBLE FOR BIOLOGICAL INVASIONS

- P43 Katariina Kurina
Invasion of tubenose gobies from Ponto-Caspian region to the Baltic Sea (and beyond)
- P44 Arturo Cocco
A dedicated database for the analysis of the main drivers of the global distribution of the seed beetle *Stator limbatus* (Coleoptera: Chrysomelidae: Bruchinae)
- P45 Aurore Fanal
Are juvenile performance traits of tree species positively correlated to their invasiveness? Two case studies on maples and conifers
- P46 Daniel Schmitz
Copper uptake and impact in a native and invasive plant in riparian systems
- P47 Edvina Krokaitė
Evaluation of genetic diversity of *Phalaris arundinacea* populations growing in Lithuania
- P48 Edvina Krokaitė
AFLP analysis of genetic diversity among Lithuanian populations of *Lythrum salicaria*
- P49 Giuseppe Brundu
A study on the introduction of *Eucalyptus* s.l. in the Mediterranean
- P50 Arman Pili
Simulating incursions to understand the influence of spatiotemporally dynamic environment and propagule pressure on establishment success
- P51 Francine D. B. Da Silva
Anthropogenic nurse effects on subarctic invasion
- P52 Bella Galil
Ship lay-ups and stoppages: biofouling and biosecurity
- P53 Przemysław Kurek
The invasive potential of *Spiraea tomentosa* L. as a result of seeds adaptation to hydrochory

IMPACTS OF INVASIONS ON NATIVE SPECIES, COMMUNITIES AND ECOSYSTEMS

- P54 Alberto Romero-Blanco
Assessment of toxicological effects of leaf litter extracts from non-native tree species on soil respiration and on the aquatic invertebrate *Potamopyrgus antipodarum*
- P55 Lukas Petrulaitis
Ecology and invasiveness of the genus *Cornus* L. in Lithuania
- P56 Essmat Mohammed
Potential impacts of invasive crayfish on native benthic fish: shelter use and agonistic behavior
- P57 Pēteris Evarts-Bunders
Taxa with dual status in Latvia – an example on the genus *Rosa* L.
- P58 Michele Mugnai
Impacts of the invasive *Carpobrotus* spp. on coastal habitats in a Mediterranean context: evidence from the Life project LETSGO GIGLIO on Giglio Island (Tuscan Archipelago)
- P59 Laurynas Taura
Alien and invasive species effect on the populations of the Baltic coastal endemic species *Linaria loeselii*
- P60 Andrea Desiderato
Associated fauna of Sabellaria alveolata reefs in the Mediterranean Sea, an unexpectedly high number of NIS
- P61 Klára Pyšková
How can we measure the impact of invasive plants on large herbivores in an African savanna?
- P62 Katrin Kaldre
Distribution of non-indigenous crayfish species in Estonia and their threat to noble crayfish (*Astacus astacus* L.) populations
- P63 Leonardo H. Teixeira
Controlling an invasive native plant does not compromise species richness or functional diversity of wet grasslands

- P64 Anna Probert
Uncertainty in assessing the impacts of alien species: application to the International Union for the Conservation of Nature's framework
- P65 Kifayatullah Mengal
Morphological features of haemocytes during early stages of injury in crayfish
- P100 Iveta Jakubāne
Genetic diversity of the invasive Spanish slug *Arion vulgaris* (Moquin-Tandon, 1855) in Latvia

NOVEL ECOSYSTEMS IN THE ANTHROPOCENE

- P66 Vera Stanković
Novel forest ecosystems in the Ramsar sites of the Southern Pannonian Plain

BIOLOGICAL INVASIONS AND CLIMATE CHANGE

- P67 Pierre Tichit
Protecting terrestrial communities from climate change – invasion synergies on South Georgia Island
- P68 Davinder Kaur
Stress conditions prolong the maternal care and juvenile development in marbled crayfish (*Procambarus virginalis* Lyko, 2017)
- P69 Adrián Lázaro-Lobo
Quantifying carbon storage and sequestration patterns by native and non-native forests in Spain
- P70 Bruce Osborne
Extreme weather events can have complex and temporally dynamic effects on invasive plant populations and communities
- P71 Jana Paidere
Energy reserves of alien gammarids in the Daugava River (Latvia) in 2019–2020
- P72 Agnieszka Rewicz
Contradictory effect of climate change on American and European populations of *Impatiens capensis* Meerb. – is this herb a global threat?
- P73 Michaela Vítková
Microclimate measurements as a baseline for a global study of plant invasions in cold environments
- P74 Marta Pérez-Diz
Does habitat type influence the performance of the invasive *Carpobrotus edulis*?
- P75 Marta Pérez-Diz
Does *Carpobrotus edulis* carbon ($\delta^{13}C$) and nitrogen ($\delta^{15}N$) stable isotopes composition change under different habitats?
- P76 Zigmantas Gudžinskas
What factors have led to the lightning spread of *Erechtites hieraciifolius* northwards?
- P77 Noemie Sheppard
Potential trophic impacts and competition among invasive alien crayfishes in North America under current and future water temperatures
- P78 Golar Kor
Nerve regeneration in crayfish

BIOTIC INTERACTIONS IN INVADED COMMUNITIES AND ECOSYSTEMS, INCL. INTERACTIONS BETWEEN INVADERS

- P79 Noa Núñez-González
Testing if mechanical control of *Carpobrotus edulis* is more effective than a specialized natural enemy
- P80 Noa Núñez-González
Comparing the effect of herbivory and simulated herbivory on the growth and physiological activity of *Carpobrotus edulis* in shallow soils
- P81 Krzysztof Podwysoki
Experimentally testing the different invasive potential of distinct lineages of *Dikerogammarus villosus*
- P82 Paul Teesalu
Behavioural response of the invasive amphipod *Gmelinoides fasciatus* in presence of predators on various bottom substrates
- P101 Matilde Tessitori
When a harmless native insect may become a super-spreader of exotic pathogens

NON-NATIVE PESTS AND PATHOGENS. PESTS AND PATHOGENS SPREAD BY INVASIVE ALIEN SPECIES

- P83 Venche Talgø
Bacterial diseases on woody plants in Norway – a threat to natural environments?
- P84 Venche Talgø
Several potentially pathogenic oomycetes isolated from diseased eelgrass in Norway
- P85 Jonatan Rodríguez
Global trade of non-native insects: a pathway for the introduction of pathogens?

EFFECTIVENESS OF PAST AND CURRENT CONTROL MEASURES AND NATIVE COMMUNITIES RESTORATION EFFORTS

- P86 Stephen Mifsud
Management towards the eradication of *Pennisetum setaceum* from the island of Gozo
- P87 Eike Tammekänd
All or nothing – Estonia's experience in *Heracleum* IAS eradication
- P88 Saneesh Soman
Burn or uproot? Testing approaches to the management of a native invasive herbaceous plant in a semiarid Indian grassland
- P89 Laura Kütt
Towards the elimination of the invasive hogweeds in Estonia – obstacles affecting the success

ENGAGING THE PUBLIC AND STAKEHOLDERS – FROM LANDOWNERS TO SCIENTISTS, PRACTITIONERS AND DECISION MAKERS AND BACK

- P90 Simon Sebastian Moesch
Invasive raccoons in Germany: Cute or nasty? Perceptions of different stakeholders and regions
- P91 Miia Jauni
Risk assessment protocol to target management measures of IAS of Union concern in Finland
- P92 Jana Pěkníková
Implementation of invasive alien species legislation in the Czech Republic
- P93 Ana Dolenc
Participative preparation of guidelines for invasive alien species management for construction sites and public infrastructure maintenance in Slovenia
- P94 Oskars Purmalis
Polyphenols and antiradical activity of invasive plants
- P95 Ana Novoa
Stakeholders' views on the global guidelines for the sustainable use of non-native trees
- P96 Quentin Groom
From Blue Iguanas to Blue Vervain: engaging a community in protecting biodiversity in the Caribbean

ECONOMIC AND SOCIAL IMPACTS OF BIOLOGICAL INVASIONS

- P97 Paraskevi Karachle
Could *Lagocephalus sceleratus* be used for the production of fishmeal? Fishers' perceptions and willingness to participate
- P98 Paride Balzani
Economic costs of invasive species facilitated by canals and the Ponto-Caspianization of the European freshwater aquatic fauna
- P99 Eléna Manfrini
Economic cost of invasions: is France special?