NEOBIOTA2020 - 11th International Conference on Biological Invasions – Final Programme

OVERVIEW

MONDAY (14.9.)	TUESDAY (15.9.)			WEDNESDAY (16.9.)		THURSDAY (17.9.)	FRIDAY (18.9.)
	08:00	*Registration*	08:30	*Registration*	08:30	*Registration*	*Excursion (Krka National Park)*
	09:00	*Conference opening*	09:00	Keynote lecture #3 **Heinke Jäger**	09:00	Keynote lecture #5 **Michael Pocock**	
	09:30	Keynote lecture #1 **Franck Courchamp**	09:45	Session #4 - Invasive species in a changing environment	09:45	Session #8 - Citizen science, social media, and novel technologies for invasion science	
	10:15	*Coffee Break*	10:30	*Coffee Break*	10:30	*Coffee Break* & Poster Session*k*	
	10:45	Session #1 - Impacts of biological invaders: from facts to perception and back	11:00	Session #5 - Invasive species in a changing environment	11:00	Session #9 - Biogeography and macroecology of invaders across spatial and temporal scales	
	12:30	*Lunch Break*	12:15	*Lunch Break*	12:30	*Lunch Break*	
	14:00	Keynote lecture #2 **Jonathan Jeschke**	14:00	Keynote lecture #4 **Bethany Bradley**	14:00	Session #10 - Biogeography and macroecology of invaders across spatial and temporal scales	
	14:45	Session #2 - Invaders in biological communities and ecological networks: species interactions, food chains and beyond	14:45	Session #6 - Management of invasive species from decision makers to practitioners: lost in translation or on the right track?			
	15:45	*Coffee Break* & Poster Session	15:30	*Coffee Break* & Poster Session	15:45	*Coffee Break*	
16:00 *Registration*	16:15	Session #3 - Invaders in biological communities and ecological networks: species interactions, food chains and beyond	16:00	Session #7 - Management of invasive species from decision makers to practitioners: lost in translation or on the right track?	16:15	Session #11 - Biogeography and macroecology of invaders across spatial and temporal scales & Invaders in biological communities and ecological networks: species interactions, food chains and beyond	
19:00 *Welcome Cocktail*			19:00	*Conference Dinner*	17:45	*Conference closing*	

DETAILED SCIENTIFIC PROGRAMME BY DAYS

Tuesday, 15th September

8:00 - 09:00	*Registration*
09:00 - 09:30	*Conference Opening*
09:30 - 10:15	**Keynote lecture #1**: Franck Courchamp "The massive economic costs of biological invasions worldwide"
10:15 - 10:45	*Coffee break*
10:45 - 12:30	**Session #1** – Impacts of biological invaders: from facts to perception and back
10:45 – 11:00	O1 - Guillaume Latombe A framework for conceptualising moral values in conservation
11:00 – 11:15	O2 - Lara Volery Adding risk of impacts to IUCN EICAT assessments improves prioritization of alien ungulates
11:15 – 11:30	O3 - Bruce Osborne Negative, neutral and positive impacts of *Gunnera tinctoria* invasions
11:30 – 11:45	O4 - Anna Probert Understanding uncertainty in S/EICAT impact assessments
11:45 – 12:00	O6 - Rubén Bernardo-Madrid Environmental and socio-economic impacts of *Pomacea* spp.and *Callinectes sapidus*: A predator-prey interaction in the Ebro Delta (Spain)
12:00 – 12:15	O7 - Giovanni Vimercati Introducing EBCAT, a proposed framework to classify environmental benefits of alien taxa
12:15 – 12:30	O8 - Elena Granda Impact of non-native tree species on functional diversity of riparian ecosystems
12:30 - 14:00	*Lunch Break*
14:00 - 14:45	**Keynote lecture #2**: Jonathan Jeschke "Towards an open and interactive atlas of invasion biology"
14:45 – 15:45	**Session #2** – Invaders in biological communities and ecological networks: species interactions, food chains and beyond
14:45 – 15:00	O10 - Minoarivelo Henintsoa Onivola Mutualism impedes community assembly and creates empty niches for invasion
15:00 – 15:15	O11 - Quentin Groom Integrating species interactions into risk assessment
15:15 – 15:30	O12 - Wolf-Christian Saul Fynbos ant communities after *Acacia saligna* invasion and vegetation restoration
15:30 – 15:45	O13 - Florencia Yannelli Better to be naïve: Native plant community eco-evolutionary experience rather than soil conditions better explain invasion success of *Senecio ina*equidens in Northern Italy
15:45 - 16:15	*Coffee break* & Poster Session

16:15 – 18:00 **Session #3** – Invaders in biological communities and ecological networks: species interactions, food chains and beyond (chaired by)

16:15 – 16:30 O16 - Vasiliki Balogianni
Poor competitor but successful plant invader: how does *Gunnera tinctoria* do it?

16:30 – 16:45 O17 - Margherita Gioria
Seed persistence in the soil promotes naturalization and invasiveness in seed plants

16:45 – 17:00 O18 - Ana Novoa
Islands of fertility promote the invasion of *Opuntia stricta* in Kruger National Park

17:00 – 17:15 O19 - Maud Bernard-Verdier
Are plants adapting to novel urban ecosystems? Plant trait differentiation in response to neophyte abundance and urbanisation

17:15 – 17:30 O20 - Jan Pergl
Alien and native plants: is there an interaction between aboveground dominants and soil attributes?

17:30 – 17:45 O21 - Martin Hejda
Is the impact of invasive plants related to the traits of invaded community or to the trait distances between native species and the invader?

17:45 – 18:00 O22 - Mirjana Šipek
Impact of forest edge characteristics on alien plant species diversity in lowland forest fragments

Wednesday, 16th September

8:30 - 09:00 *Registration*

09:00 - 09:45 **Keynote lecture #3**: Heinke Jäger "Humans changing the trajectory of evolution in the Galapagos Islands"

09:45 - 10:30 **Session #4** – Invasive species in a changing environment)

09:45 – 10:00 O23 - Helen Roy
Predictions to inform decision-making on invasive alien species: global perspectives from expert-elicitation, spread modelling and beyond

10:00 – 10:15 O24 - Philip Hulme
The Epidemiological Framework for Biological Invasions (EFBI): a unified foundation for the assessment of biosecurity threats

10:15 – 10:30 O25 - Michelle Cleary
Converging threats to European ash: Is an invasional meltdown imminent?

10:30 - 11:00 *Coffee break*

11:00 - 12:15 **Session #5** – Invasive species in a changing environment

11:00 – 11:15 O27 - Montserrat Vilà Planella
Understanding the combined impacts of weeds and climate change on crops

11:15 – 11:30 O28 - Yves P. Klinger
Landscape structure affects the spatio-temporal distribution of the invasive legume *L. polyphyllus*.

11:30 – 11:45 O29 - Bernd Lenzner
The option space of future alien species impacts: an expert based assessment

11:45 – 12:00 O30 - Honza Čuda
Immortal reed: regeneration from stem and rhizome fragments

12:00 – 12:15	O31 - Yan Sun Rapid evolution of a plant invader in response to biological control and global warming
12:15 - 14:00	*Lunch Break*
14:00 - 14:45	**Keynote lecture #4**: Bethany Bradley "Translating Science into Practice and Practice into Science - Northeast RISCC Management Network"
14:45 – 15:30	**Session #6** – Management of invasive species from decision makers to practitioners: lost in translation or on the right track?
14:45 – 15:00	O33 - Spyridon Flevaris European Union policy on invasive alien species: lessons learned and new developments
15:00 – 15:15	O35 - Kostas Tsiamis The first EU-scale Horizon Scanning exercise on marine invasive species
15:15 – 15:30	O36 - Heinz Müller-Schärer Fighting neobiota with neobiota: why we should do it
15:30 - 16:00	*Coffee break* & Poster Session
16:00 – 17:15	**Session #7** – Management of invasive species from decision makers to practitioners: lost in translation or on the right track?
16:00 – 16:15	O38 - Sonia Vanderhoeven Mobilizing evidence to improve IAS decision-making: the Belgian TrIAS workflow
16:15 – 16:30	O39 - Sonja Rozman Management of the red-eared slider (*Trachemys scripta*) in Slovenia
16:30 – 16:45	O40 - Elise Buisson Plant community recovery after *Carpobrotus* (iceplant) removal – results of a 10-year project
16:45 – 17:00	O41 - Giuseppe Antonio Domenico Brundu Global guidelines for the sustainable use of non-native trees to prevent and mitigate invasion risk
17:00 – 17:15	O42 - Kevin Smith Sharing decision-making support tools to tackle biological invasions in Europe

Thursday, 17th September

8:30 - 09:00	*Registration*
09:00 - 09:45	**Keynote lecture #5**: Michael Pocock "The role of citizen science as a tool for early detection, monitoring, and managing impacts of invasive species"
09:45 - 10:30	**Session #8** – Citizen science, social media, and novel technologies for invasion science
09:45 – 10:00	O43 - Tim Adriaens Citizen science for invasive alien species: a preliminary analysis for Europe
10:00 – 10:15	O44 - Simone Lioy Management of the invasive hornet *Vespa velutina* in Italy: from surveillance to early warning and control strategies

10:15 – 10:30	O45 - Niki Chartosia RELIONMED LIFE project and IUCN-MedMIS: Citizen scientists help to monitor the lionfish distribution and abundance.
10:30 - 11:00	*Coffee break* & Poster Session
11:00 - 12:30	**Session #9** – Biogeography and macroecology of invaders across spatial and temporal scales
11:00 – 11:15	O46 - Franz Essl Range-expanding species that track human-induced environmental change: native or not?
11:15 – 11:30	O47 - Desika Moodley Alien vascular plants in protected areas of the world – patterns of distribution and species richness
11:30 – 11:45	O48 - Ross Shackleton What drives the differences in *Robinia pseudoacacia* invasions between neighbouring countries in central Europe?
11:45 – 12:00	O49 - Phillip Haubrock Two centuries for an almost complete native to non-native community turnover in a riverine ecosystem.
12:00 – 12:15	O51 - Marija Milanovic Changes in functional diversity of native and alien urban flora over three centuries
12:15 – 12:30	O52 - Hanno Seebens Improving science and collaboration through standardising data and workflows in invasion ecology
12:30 - 14:00	*Lunch Break*
14:00 – 15:45	**Session #10** – Biogeography and macroecology of invaders across spatial and temporal scales
14:00 – 14:15	O53 - Petr Pyšek MAcroecological Framework for Invasive Aliens (MAFIA): disentangling large-scale context-dependence in biological invasions
14:15 – 14:30	O54 - Anna Schertler The “Global Database of Alien Pathogenic Fungi”
14:30 – 14:45	O55 - Ingolf Kühn The functional composition of the neophytic flora changes in response to environmental conditions along a rural-urban gradient
14:45 – 15:00	O56 - Marina Golivets A macroecological view on functional trait distribution of native and alien plants under future environmental change in Central Europe
15:00 – 15:15	O58 - Fiona Rickowski Nesting behaviour shifts in common eider populations of western Iceland as a response to the invasive American mink
15:15 – 15:30	O59 - Marc Riera Impact of introduction pathways on the spread and geographical distribution of alien species: implications for preventive management in Mediterranean ecosystems
15:30 – 15:45	O60 - Ross Cuthbert Salinity and geographic origin mediate global alien amphipod invasions
15:45 - 16:15	*Coffee break*

16:15 – 17:45 **Session #11** – - Biogeography and macroecology of invaders across spatial and temporal scales & Invaders in biological communities and ecological networks: species interactions, food chains and beyond

16:15 – 16:30 O61 - Panayotis Dimopoulos
Exploring the environmental drivers of alien plant diversity patterns in Greece

16:30 – 16:45 O62 - Marta López Darias
Highlighting the severe impacts of invasive ophidians on islands: 20 years of an invasive snake in one of the most biodiverse European archipelagos

16:45 – 17:00 O63 – Jose Postigo
Disentangling the mechanism behind the invasive monk parakeet crop damage using a long term diet study. What if the risk is much higher than calibrated?

17:00 – 17:15 O65 - Jonatan Rodríguez
Biogeographical variation in plant defence and performance of *Carpobrotus edulis* against generalist and specialist herbivores

17:15 – 17:30 O66 - Julie Braschi
Removal of invasive iceplant *Carpobrotus* on a Mediterranean island: 10-year monitoring results on the beetle and spider assemblage dynamics

17:30 – 17:45 O67 - Cristina Maguas
When fire does not stop symbiosis: *Acacia longifolia* and its partners

Friday, 18th September

Excursion

- Krka National Park

POSTER PRESENTATIONS
(sorted by topics with presenting author indicated)

Impacts of biological invaders: from facts to perception and back

P1 Rumen Tomov
Current distribution of alien crop pests (Insecta) detected during the period 2016-2019 in Bulgaria

P2 Konstantinos Tsirintanis
The impact of native and alien herbivores on the invasion of the chlorophyte Caulerpa cylindracea Sonder

P3 Olena Miskova
Invasive species of the Seymskiy Regional Landscape Park (Ukraine)

P4 Margherita Gioria
Regeneration potential of coastal and riparian communities invaded by large herbaceous plant species

P5 Vasiliki Balogianni
Contrasting effects of two major herbaceous invasive species on community and ecosystem processes

P6 Giorgi Kavtaradze
Invasive woody species and their potential environmental impact on natural riparian and lowland forests of Eastern Georgia (case study of the Gardabani managed reserve)

Invaders in biological communities and ecological networks: species interactions, food chains and beyond

P8 Andrea Budiša
Microbial response to the presence of invasive ctenophore *Mnemiopsis leidyi* in the coastal waters of the northern Adriatic

P9 Jan Divíšek
Functional trait differences between native and alien plant species in local communities of different habitat types

P11 Nina Šajna
Studying invasive plants in their native habitats improves understanding of their invasiveness: *Alliaria petiolata* and *Glechoma hederacea* as case studies

P13 Niki Chartosia
Feeding habits of the alien *Parupeneus forsskali* (Fourmanoir & Guézé, 1976) (Actinopterygii, Mullidae) from Cyprus

P14 Niki Chartosia
Diet composition of the lionfish *Pterois miles* (J. W. Bennett, 1828) (Scorpaeniformes: Scorpaenidae) in the sea of Cyprus

P16 Damjana Levacic
Consistent CSR strategy of daisy fleabane *Erigeron annuus* (L.) Pers. despite its high morphological variability – a case study from Zagreb and Medvednica Mt., Croatia

P17 Eva Horvat
When a non-native herbivore finds a non-native host

P18 Mirela Uzelac
Tree of Heaven leaf extract: A new generation of bioherbicides

P19 Lenka Moravcova
Soil seed-bank dynamics of the closely related alien and native species

P20 Hana Skálova
Transient effect of competitors of performance of *Ambrosia artemisiifolia*

P21 Marina Piria
Feeding habits of predatory thermophilic fish species from recently extended distributional range in northeast Adriatic Sea, Croatia

P22 Elena Tricarico
Combining heavy metal and stable isotope analysis to disentangle contaminant transfer in a freshwater community dominated by alien species

P23 Kathrin Holenstein
Permeability of Protected Areas to Non-Native Species

P25 Olja Vidjak
Spreading of non-indigenous Indo-Pacific copepod *Pseudodiaptomus marinus* Sato, 1913 in eastern Adriatic coastal and transitional waters

P26 Paulina Anastasiu
An updated inventory of neophytes reported for Romania

P27 Gerhard Karrer
Eastward spread of the ragweed leaf beetle *Ophraella communa* towards the Pannonian plain and the Balkans

Invasive species in a changing environment

P29 María Bernardos Hernández
Road: an oasis for opportunistic species in an arid environment

P31 Roser Rotchés-Ribalta
Environmental filtering of alien plant invasion in metropolitan forests. The role of vertebrate dispersion

P32 Barbara Tokarska-Guzik
Comparing populations of *Ambrosia artemisiifolia* in Ukraine and Poland depending on local habitat conditions

P33 Michael Glaser
WeedClim: Identifying Emerging Weeds

P34 Mirjana Šipek
Factors driving invasion of alien *Prunus serotina* Her., *Duchesnea indica* (Andrews) Th.Wolf and *Impatiens parviflora* DC. into lowland forest fragments in NE Slovenia

P35 Martin Vojík
Two faces of a park: the source of invasions and habitats for threatened native plants

P36 Cristina Maguas
Using invasive species biomass for post-fire recovery: Reuse, Regenerate and Reforest

P37 Robert T. Hanczaruk
Do the landscape metrics explain the invasion level in urban river valley? Case study on plant invasions from southern Poland

P38 Robert T. Hanczaruk
Escapes from allotment gardens - the threat for urban rivers vegetation? Case study from the Kłodnica valley (southern Poland)

P39 Klára Pyšková
Early stages of the common myna (*Acridotheres tristis*) invasion in Kruger National Park

P40 Martina Kadlecová
Cytological variability and seed germination of hybrid *Fallopia* ×*bohemica* in Europe

P42 Elena Tricarico
The invasion of Cyprus water bodies by the red swamp crayfish (*Procambarus clarkii*): a pressure exerted to fragile aquatic bodies

P44 Lado Basilidze
Distribution Pattern of Invasive Alien Woody Species in Protected Areas of Eastern Georgia (South Caucasus)

P45 Leona Lovrenčić
What is the future of native freshwater crayfish in Croatia?

P47 Ante Zunec
First record of polychaete *Nereis funchalensis* (Langerhans, 1980) in the Adriatic sea

P48 Quadri Anibaba
Native and Introduced Species Abundance Differ Across Growth Habit and Land – use Types in Central Nigeria

Management of invasive species from decision makers to practitioners: lost in translation or on the right track?

P49 Yan Sun
Recent advances in predicting impact of a biological control agent

P51 Marjaana Hassani
Utilizing wasteland and roadside grasses – A risk of spreading invasive plant species?

P52 Magdalena Szymura
How to create grassland valuable for livestock production on the site invaded by *Solidago* species?

P53 Tim Adriaens
Power to the people, break down the silo: an open checklist recipe to create GRIIS Belgium

P54 Tim Adriaens
A pipeline for feeding headline indicators on the state of invasions and to prioritize emerging alien species

P55 Amy Davis
Open occurrence data for IAS risk mapping in Belgium

P56 Uwe Starfinger
International Year of Plant Health - of interest for invasion science?

P57 Michael Bald
Biosecurity: the true cost of failure and landscape mis-management.

P58 Barbara Tokarska-Guzik
Geostatistical modelling for invasive plant species distribution mapping and visualisation using spatio-temporal data

P60 Valentina La Morgia
ALIENS, an Italian network to share experiences and solutions

P61 Barbara Tokarska-Guzik
Identifying and assessing pathways of unintentional introduction and spread of invasive alien species – a case study for Poland

P62 Luka Basrek
Preserving Sava River Basin Habitats through Transnational Management of Invasive Alien Species – Sava TIES project, Interreg Danube Transnational Programme

P63 Florian Ruland
Managing invaded food webs: a case study from Iceland on different ethical perspectives of key stakeholders

P64 Tomáš Görner
Invasive alien species of Union Concern in the Czech Republic

P65 Gemma Martinez Laiz
Scientific collaboration for early detection of hidden-invaders: lessons from *Stenothoe georgiana* Bynum & Fox 1977

P66 Arnaud Albert
National management strategies of widespread IAP of EU concern in France

P67 Kateřina Berchová
Geoinformation portal for invasive species GEOPINS

P68 Kateřina Knotková
Fighting plant invasions by native parasitic plants?

P69 Johan van Valkenburg
Pennisetum setaceum or *Pennisetum advena* cultivars, what ornamental do we have in our garden.

P71 Petra Kutlesa
Project: Establishment of the National Monitoring System for Invasive Alien Species (KK.06.5.1.01.0001)

P73 Jodey Peyton
Expert-elicitation approaches to horizon scanning for Invasive Alien Species: assessing new arrivals over time to inform predictions.

P74 Sonja Rozman
Promising results of manual eradication of kudzu (*Pueraria montana* var. *lobata*) in Slovenia

P75 Biljana Panjković
IAS mapping and monitoring in Sava River Basin – a harmonized transnational platform for successful IAS management

Citizen science, social media, and novel technologies for invasion science

P76 Viola Jani
Biological surveillance of *Aedes albopictus* (Skuse 1895, Diptera: Culicidae) eggs in Albania during 2017

P77 Jurga Motiejūnaitė
Monitoring of potentially invasive macrofungi - novel versus traditional methods

P78 Tomos Jones
Ornamental plants: our future invaders?

P79 Erika Mioni
"First record of the invasive crab *Percnon gibbesi* (H. Milne Edwards, 1853) at Pianosa Island: the second goal reached by the innovative Marine Citizen Science Literacy Project "PERCORSI NEL BLU" ("BLUE PATHS")

P80 Erika Mioni
Is Citizen Science a valid tool for monitoring alien species in Marine Protected Areas?

P81 Rumen Tomov
The current state of citizen science for invasive alien species in Bulgaria

P82 Michael Bald
Solarizing and Heat Treatments

P83 Sofie Meeus
Improving community knowledge of invasive plants in Belgium

P85 Cristina Preda
Citizen science contribution to the inventory of alien birds in Belgium

P87 Jirislav Skuhrovec
The European ladybird App: a new tool for Citizen Science

Biogeography and macroecology of invaders across spatial and temporal scales

P88 Marina Orlova-Bienkowskaja
Six-legged invaders coming from the east! *Agrilus planipennis* and five other alien beetle pest species entering Europe through European Russia

P89 Charly Géron
Alien plants on a city trip: Urban invaders originate from warmer native ranges

P90 Jean-Francois Maillard
Distribution and genetic diversity of Raccoon (*Procyon lotor*) in France

P92 Jan Pergl
From West to East and back again: Trans-Siberian Railway as a continental pathway of plant invasions

P93 Josef Kutlvašr
Pathways of alien plants within Central Europe: spread and persistence of unintentionally introduced aliens

P94 Veronika Kalusová
Phylogenetic relatedness of alien plants depends on their donor habitats

P95 Gemma Martinez Laiz
Genetic variation of the invader *Caprella scaura*: introduction events and 7-year monitoring at local scale

P96 Lucija Rajčić
To what extent spatial precision of chorological data affects our perception of the preferred environmental conditions of invasive species – a case study of *Ailanthus altissima* in Croatia

P97 Pavel Pipek
Lasting the distance: The survival of alien birds shipped to New Zealand in the 19th century

P98 Julien Piquet
Contributing to understand the influence of climate change on biological invasions: the case of the invasive California kingsnake in the Canary islands

P100 Teodora Trichkova
JDS4 monitoring of invasive alien species in the Bulgarian sector of the Danube River using standard and citizen science technologies

P101 Teodora Trichkova
First record of *Pectinatella magnifica* (Leidy, 1851) in the Bulgarian shoreline zone of the Danube River

P102 Ana Dobrović
The effect of crayfish plague pathogen infection on growth of juvenile marbled crayfish *Procambarus virginalis* (Lyko, 2017)

P103 Paula Dragičević
Changes in the immune response during range expansion of the invasive signal crayfish *Pacifastacus leniusculus*

P105 Lara Volery
Understanding temporal trends in alien species' impacts

P107 Ante Žuljević
In situ experiment confirmed a hypothesis that sea currents are the main spreading vector of marine alga *Caulerpa cylindracea*

P108 Petra Lučić
Spreading of marine red alga *Lophocladia lallemandii* in the Adriatic Sea

P109 Marta López Darias
Morphological changes during an invasion event: the California kingsnake (*Lampropeltis californiae*) in Gran Canaria island

P110 Jerzy Romanowski
Alien ladybirds Coccinellidae from Canary Islands