

MONDAY 9 September 2019

15.00 registration opens

18:00–19.00

(KEYNOTE 1) Marc Cadotte: Dissecting the success and impact of urban invasions

Welcome party & poster session

TUESDAY 10 September 2019

8.30 conference opening

(Chair: Cristina Maguás)

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9.00–9.40 (KEYNOTE 2)

Jane Catford: Unravelling context dependency in invasion science

SECTION 1 – SPECIES INVASIVENESS: INTRODUCTION, NATURALIZATION SPREAD & MONITORING

9.40–10.00 John Wilson: Invasion frameworks: an assessment of usage and options for improvement

10.00–10.20 Yan Sun: When and how does “origin” matter: from macro-ecology back to experimental ecology to elucidate drivers of invasion success?

10.20–10.40 Thomas Carlin: Plant invasions in non-analogue climates reflect phenotypic plasticity rather than contemporary adaptation

coffee break 10.40–11.10

9.40–10.00 Marco Brendel: Does time heal wounds? Effects of climatic dissimilarity on population dynamics of invasive plants revealed by residence time

10.30–11.50 Heidi Hirsch: A global assessment of the introduction history and population genetic characteristics of the commercially important invasive tree *Acacia dealbata* Link.

11.50–12.10 Luís González: An Atlantic Odissey: the fate of invading propagules across the coastline of the Iberian Peninsula

12.10–12.30 (flash talks)

Mauricio Mantoani: Surviving the cold: impacts of an extreme weather event on the growth and phenology of *Gunnera tinctoria*

Andrei Costan: Reduced herbivory does not increase competitive ability or shift chemical defences in alien *Rumex*

Francesco Guarino: Epigenetic aspects involved in plant invasiveness

Sandra Savinen: Applications of bioinformatics to identify genotypic differentiation in alien plants

lunch 12.30–14.00

14.00–14.40 (KEYNOTE 3)

Franz Essl: The big picture: a macroecological perspective on the global state of plant invasions

14.40–15.00 Jaco Le Roux: Invasive plant-soil feedbacks: insights from Australian acacias in South Africa's fynbos biome

15.00–15.20 Wen-Yong Guo: The role of adaptive strategies in plant invasion

15.20–15.40 Luke Flory: Drivers of the long-term dynamics and impacts of plant invasions

coffee break 15.40–16.10

16.10–16.30 Becky Kerns: Ecosystem change and a novel invasive annual grass in North American interior ecosystems

16.30–16.50 Peter Raal: The ongoing development and evolution of a control and detection system for scattered wilding conifers at the landscape scale in New Zealand

16.50–17.10 Ryan Perroy: Increasing the availability and utility of high-resolution imagery for invasive species detection in Hawai'i

17.10–17.30 Gonzalo Rivas-Torres: Use of drone and satellite images to classify and map native and invasive vegetation in island systems: the Galapagos example

17.30–18.00 (flash talks)

Staci Warrington: Do co-introduced exotic rhizobia facilitate Australian acacia invasion success?

Jennifer Bufford: Homeostatic fitness is key to understanding the role of plasticity in invasions

Margherita Gioria: Plant species forming a persistent soil seed bank have a higher probability of becoming naturalized

Kyle Hemming: Using the distribution of Australia's native grasses to predict the spread potential of exotic grasses

Josef Brůna: Detection and modelling of spread of *Ailanthus altissima* using UAV data

Joseph Fennell: From handheld-device to satellite: A toolkit of remote sensing and machine learning techniques for measuring the spread of invasive plants

18.00 poster session

WEDNESDAY 11 September 2019

(Chair: Montserrat Vilà)

8.30–9.10 (KEYNOTE 4)

Milan Chytrý: The role of habitats in plant invasions: combining the source-area and invaded-area approaches

SECTION 2 – INVADDED COMMUNITIES: FROM SPECIES RELATIONSHIPS TO MACROECOLOGY

9.10–9.30 Ben Gooden: Impacts of alien plant invasion on forest vegetation are modulated by landscape configuration and native plant functional group

9.30–9.50 Anikó Csecserits: Trait-based evaluation of a perennial alien species (*Asclepias syriaca*) in the invaded community

9.50–10.10 Emily Jones: A global assessment of terrestrial alien ferns (Polypodiophyta): species' traits as drivers of naturalisation and invasion

10.10–10.30 (flash talks)

Maia Raymundo: Mechanisms limiting seed recruitment in an invaded community

Emily Waddell: Plant invasions are related to disturbance and native sapling diversity in tropical rainforest fragments
 Pablo González-Moreno: Understanding hierarchical patterns of plant invasions impacting agriculture: the study case of *Parthenium* weed in Pakistan
 Isabel Pérez Postigo: Which environmental factors affect the diversity of alien herbs in the ruderal flora in western Mexico?

(Chair: Bruce Osborne)

coffee break 10.30–11.00

11.00–11.20 Anna Schertler: The “Global Database of Alien Pathogenic Fungi”
 11.20–11.40 Marina Golivets: Neighbour tolerance, not suppression, provides competitive advantage to non-native plants
 11.40–12.00 Kateřina Štajerová: Community assembly rules of arbuscular mycorrhizal fungi in plant invasions: comparison between ranges
 12.00–12.20 Zarah Pattison: The freshwater biodiversity crisis: what role do plant invasions play?
 12.20–12.40 (flash talks)
 Tomasz Szymura: Joined effect of anthropogenic factors, landscape structure, landrelief, soil and climate on alien plant invasion risk at regional scale
 Natalie West: Flood dynamics dictate distributions of invasive trees on floodplains
 Dorjee: Developing an inventory of the alien flora for data deficient country like Bhutan
 Alessandra Kortz: Increases in local richness (α -diversity) following invasion are offset by biotic homogenization in a biodiversity hotspot

lunch 12.40–14.00

14.00–14.20 Christine Sheppard: Relative performance of co-occurring alien plant invaders depends on traits related to competitive ability more than niche differences
 14.20–14.40 Marija Milanovic: Trait-environment relationships in native versus non-native plant species
 14.40–15.00 Montserrat Vilà: Functional and phylogenetic consequences of plant invasions
 15.00 excursion/poster session

THURSDAY 12 September 2019

(Chair: Max Wade)

8.30–9.10 (KEYNOTE 5)

Doria Gordon: Does weed risk assessment predict timing rather than probability of invasion?

SECTION 3 – ASSESSING RISKS & RAISING PUBLIC AWARENESS

9.10–9.30 Anja Bindewald: Linking theory and practice: a site-specific risk assessment for introduced tree species in European forests based on inventory data
 9.30–9.50 Ingo Kowarik: A plea for multiple responses to invasive plant species exemplified by the case of *Ailanthus altissima*
 9.50–10.10 Phil Hulme: Does awareness of invasive freshwater plants mitigate the dispersal risk posed by lake users?
 10.10–10.30 Ivan Jaric: The role of species charisma in biological invasions

- 10.30–10.40 (flash talks)
 Sandra Skowronek: Who's next? How species distribution models can and should support the identification of new invasive plant species.
 14.00–14.40 Laura Jones: Driving up standards of invasive weed management through training and assessment: a United Kingdom success story

coffee break 10.40–11.10

SECTION 4 – IMPACT & MANAGEMENT

- 11.10–11.30 Pilar Castro-Diez: Impacts of four common non-native tree species on regulating ecosystem services
 11.30–11.50 Katharina Dehnen-Schmutz: Impacts of alien plants at regional levels
 11.50–12.10 Joaquim Silva: Fire hazard and plant invasions – the cases of *Hakea sericea* and *Acacia dealbata* in Portugal
 12.10–12.30 Tomos Jones: Ornamental plants: a threat to the environment due to climate change?
 12.30–12.40 (flash talks)
 Sjirk Geerts: The absence of keystone indigenous trees inhibits bird recovery up to a decade after invasive tree removal from riparian habitats
 Barbara Tokarska-Guzik: Evaluation of invasive plant species in Poland - methods adopted and results of their application as a basis for practical action

lunch 12.40–14.00

(Chair: Phil Hulme)

14.00–14.40 (KEYNOTE 6)

Melodie McGeoch: From data to decision for policy on biological invasions

- 14.40–15.00 Qiang Yang: Global homogenization of flowering plants by naturalized species
 15.00–15.20 Thomas Wohlgemuth: Comparative effects of non-native tree species on forest ecosystems in Europe
 15.20–15.40 Urs Schaffner: Integrating ecological and socio-economic impacts of *Prosopis*, a woody invasive alien species, to inform management
 15.40–16.00 (flash talks)
 Jacob Cowan: Invasive and native grasses exert negative plant-soil feedback effects on *Artemisia tridentata* whereas conspecific effects are neutral.
 Iris Stiers: Removal of alien plants: any effect on native macrophyte recovery and pollinator services?
 Ramya Ravi: Plural realities of plant invasions: *Prosopis juliflora* in the Banni grassland, India
 Bruce Osborne: Plant invasions and greenhouse gas emissions

coffee break 16.00–16.20

- 16.20–16.40 Florencia Yannelli: Soil legacy effects of *Acacia* invasions and their implications for restoration in South Africa's Cape Floristic Region
 16.40–17.00 Heinz Müller-Schärer: Predicting benefits and risks of biological control of the invasive common ragweed in Europe: from ecological to evolutionary studies
 17.00–17.20 Jael Palhas: Modelling the biocontrol of an invasive tree by a bud-galling wasp, *Trichilogaster acaciaelongifoliae*

- 17.20–17.35 (flash talks)
 Catherine Baso: The future of biological control in South Africa: Effects of elevated CO₂
 Jean-Marc Dufour-Dror: Control of *Acacia saligna* with aminopyralid direct application: New perspectives in the control management of one of the most widespread invasive wattle species
 Magdalena Szymura: How to establish grassland on site invaded by *Solidago* – results of a five-year experiment

conference dinner

FRIDAY 13 September 2019

(Chair: David Richardson)

8.30–9.10 (KEYNOTE 7)

Heinke Jäger: Conservation and management in plant invasions in biodiversity hotspots

SECTION 5 – CONSERVATION, PROTECTED AREAS & POLICY

- 9.10–9.30 Llewellyn Foxcroft: Patterns and implications of alien plant invasions at multiple scales
 9.30–9.50 Ross Shackleton: Assessing biological invasions in protected areas
 9.50–10.10 Liliana Duarte: Sustainable management of *Acacia* spp: an applied perspective of natural control and other methodologies to improve habitat recovery in Protected Areas
 10.10–10.30 Hillary Cherry: Plant risk assessment tools to reduce invasive plant use in ornamental plant industries

coffee break 10.30–11.00

- 11.00–11.20 Katelyn Faulkner: Stronger regional biosecurity is essential to prevent hundreds of harmful biological invasions
 11.20–11.40 Spyridon Flevaris: European Union policy on invasive alien species: latest developments and next steps
 11.40–12.00 Mark Fennell: How Japanese Knotweed stopped me from selling my house: the history of Japanese Knotweed in the United Kingdom, 1981 to 2019
 12.00–12.20 Elisabeth Pötzelsberger: Different strategies in national and subnational legal frameworks on non-native forest tree species in Europe
 12.20–12.30 Aníbal Pauchard: Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) thematic assessment of invasive alien species and their control
 12.30–13.00 closing

13.00 lunch