

SCB EUROPE SECTION WEBINAR SERIES

NOVEMBER 16–19 2021 | ON ZOOM

 #SCBFallWebinar

DAY 1 | TUESDAY NOVEMBER 16, 2021

- 10:00-12:00 [Webinar Opening and Keynote Speaker](#)
- 14:00-17:00 [Ecological Restoration](#) Session with invited speakers

DAY 2 | WEDNESDAY NOVEMBER 17, 2021

- Whole Day [1st Nordic Student Conference on Conservation Science \(SCCS\)](#)
for preregistered PhD students only
- 12:00-13:00 Lunch discussion with [SCB Europe Board members](#)
- 19:30-21:30 [Social and Ecological Values in Biodiversity Conservation](#): Charting a
Course forward Post-2020 – a panel discussion

DAY 3 | THURSDAY NOVEMBER 18, 2021

- 09:00-12:00 [Landscape Ecology](#) Session with invited speakers
- 14:00-17:00 [Policy Session](#) with invited speakers

DAY 4 | FRIDAY NOVEMBER 19, 2021

- 09:00-14:20 [Conservation Genetics Session](#) with invited speakers
(incl. 1h lunch break)
- 14:30-15:30 [Keynote Speaker and Closing of Webinar](#)

TUESDAY NOVEMBER 16 – MORNING: WEBINAR OPENING AND KEYNOTE SPEAKER

- 10:00 – 12:00
- All times are CET
- Online on zoom

SCHEDULE

10:00	Opening of the webinar with introduction to SCB Europe & brief introduction to SCB Global John Piccolo, Per Sjögren-Gulve SCB Europe Section & Antony Lynam President of SCB Global
10:35	<i>Break (5 mins)</i>
10:40	Conservation under rapid climatic changes: the case for rewilding Nathalie Pettorelli The Zoological Society of London, UK
11:30	<i>Break (5 mins)</i>
11:35	Plenary discussion – questions and answers for the keynote speaker
12:00	<i>End of session</i>

KEYNOTE SPEAKER TUESDAY

Nathalie Pettorelli | The Zoological Society of London, UK

KEYNOTE talk title: Conservation under rapid climatic changes: the case for rewilding

Time: 10:40 – 11:30



Dr Nathalie Pettorelli is a senior scientist at the Zoological Society of London. Her research interests include climate change ecology, remote sensing in conservation, and nature-based solutions. Her talk will discuss rewilding as a nature-based solution, highlighting the current opportunities and challenges for this promising conservation approach to help restore biodiversity worldwide.



Twitter: [@Pettorelli](https://twitter.com/Pettorelli)

TUESDAY NOVEMBER 16 – AFTERNOON: ECOLOGICAL RESTORATION

- 14:00 – 17:00
- All times are CET
- Online on zoom

SCHEDULE

14:00	Welcome to the session
Chair:	Katalin Pap University of Szeged & SCB Europe, Hungary
14:05	Habitat reconstruction at Lake Kolon Edina Morvai National Park of Kiskunság, Hungary
14:35	Post 2020 conservation and restoration of freshwater biodiversity John Piccolo Karlstad University, Sweden
15:05	<i>Plenary discussion combined with coffee break (30 mins)</i>
15:30	Ecological restoration in the context of landscape ecology Cristina Banks Leite Imperial College London, United Kingdom
16:00	The Global Wetland Outlook: why moving from conservation to restoration is important Tobias Salathé Ramsar Convention, Switzerland
16:30	<i>Plenary discussion and end of session (30 mins)</i>
17:00	<i>End of session</i>

ECOLOGICAL RESTORATION SESSION ABSTRACTS

Edina Morvai | National Park of Kiskunság, Hungary

Talk title: Habitat reconstruction at Lake Kolon

Time: 14:05-14:35



Drilled cores show that Lake Kolon was formed between 35 000 – 12 000 years ago, during the Würm ice age. The lakebed was formed from a fragmented branch of the ancient Danube basin. The lake and its environment have changed due to manifold human influence. The natural development of Lake Kolon was broken in the 19th century when the first drainage channel was built. By the 1950s, the lake had been completely drained. Unfortunately, not only the lake bed was damaged during this period, but also the surrounding sandy grasslands and meadows. During the second world war the water channels were neglected, and the Lake was able to regrow into a healthier state. After the establishment of the Kiskunság National Park (1975), in the 1990s it was possible to start the rehabilitation of the protected area. The water level has been raised, the condition of new open waters has also greatly improved as a result of the repression of floods. There are currently three artificial open water areas in Lake Kolon, which are refuges of aquatic flora and fauna, and breeding or wintering water birds. [Link](#)

John Piccolo | SCB Freshwater working group, Sweden

Talk title: Post 2020 conservation and restoration of freshwater biodiversity

Time: 14:35-15:05



Freshwater biodiversity losses have exceeded those of terrestrial biomes, and freshwater loss rates continue to accelerate. In this presentation I will provide an overview of existing and emerging threats to freshwater biodiversity. Then I will highlight a few positive developments that hold promise for “bending the curve” of freshwater biodiversity loss post-2020.

[Link](#)

ECOLOGICAL RESTORATION SESSION ABSTRACTS

Cristina Banks Leite | Imperial College London, UK

Talk title: Ecological restoration in the context of landscape ecology

Time: 15:30-16:00



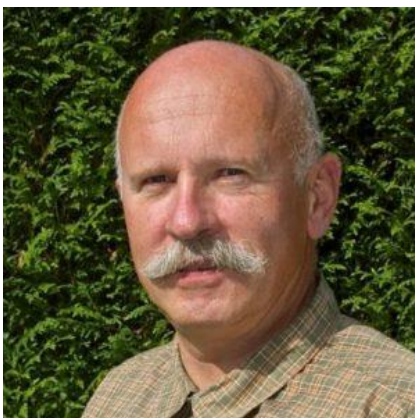
Habitat transformation is currently the single most important anthropogenic threat impacting species and ecosystem functions. We have already overshoot the planetary boundaries of biodiversity intactness in many areas of the world, having lost over 75% of species in the worst affected areas and nearly 10% of individuals at a planetary scale. Habitat transformation is a suite of changes to the land that mostly involves habitat loss, fragmentation and degradation. Although theoretically habitat loss, fragmentation and degradation occur independently, in practice they almost always take place alongside each other. This means that solutions aimed at reducing biodiversity loss need to involve widespread habitat restoration, which consists of

both extending and repairing habitats as close as possible to their original conditions. If done right, particularly around riparian zones, habitat restoration can be a powerful tool to help species adapt to climate change. [Link](#)

Tobias Salathé | Ramsar Convention, Switzerland

Talk title: The Global Wetland Outlook: why moving from conservation to restoration is important

Time: 16:00-16:30



In 2018, the Global Wetland Outlook provided an analysis of the state of the world's wetlands and their services to people. Later on this year (2021), the Convention on Wetlands will publish a special edition of the Global Wetland Outlook at the occasion of the jubilee of the convention (signed in 1971). The Global Wetland Outlook 2021 will provide an update about the most significant developments over the last three years and summarize the key findings of recent analyses by IPBES, IPCC and others. We realize that the need for good science-based knowledge and technical know-how has never been greater before. This is needed to respond to the current global environmental

challenges facing human society. What type of research is needed and how can conservation biology best contribute to the widespread needs? What are our knowledge gaps, and what are the missing links to bring scientific understanding into policy making processes and to transform policies into practices? [Link](#)

WEDNESDAY NOVEMBER 17 – EVENING: SOCIAL AND ECOLOGICAL VALUES IN BIODIVERSITY CONSERVATION: CHARTING A COURSE FORWARD POST-2020

A PANEL DISCUSSION WITH LEADING ACADEMICS

The goal of this first session is to develop the seeds of a working group/network for social and ecological values in biodiversity conservation, including a list of key experts and emerging issues for the future working group. We have submitted a symposium proposal for the ECCB meeting in Prague, which would allow further development of the network, hopefully leading to a special journal issue on social-ecological values in conservation.

SCHEDULE

19:30	Welcome to the session
Moderators:	John Piccolo and Sanna Stålhammar
19:35–20:35	Panel participants provide 5-10' summary of research interests and key values issues for post-2020 biodiversity
<i>5-minute break!</i>	
20:40–21:20	Questions and answers from the panelists and audience
21:20–21:30	Brief wrap-up and plans for future dialogues

PANELISTS

[Sanna Stålhammar](#), Swedish University of Agricultural Sciences, Sweden: Sustainability Science

[Heather Alberro](#), Lecturer in Global Sustainable Development, Nottingham Trent University

[Joe Gray](#), Independent Scholar, Fleetville, St Albans, AL1 UK: Ecological ethics and ecodemocracy

[Clive Spash](#), Vienna University of Economics and Business, Austria: Social-ecological economics

[Bron Taylor](#), University of Florida: Environmental ethics and spirituality

[Martin Lee Muller](#): University of Oslo, Norway: Ecophilosophy

[Arne Johan Vetlesen](#), University of Oslo, Norway: Philosophy

SOCIAL ECOLOGY SESSION MODERATORS

John Piccolo | Karlstad University, Sweden



I have broad interests in ecology and conservation biology. Currently I'm President of the SCB Europe Section, and I am past President of the SCB Freshwater Working Group. One of my current focuses is on ecological values and ethics, in particular the role of intrinsic natural value for biodiversity conservation.

Sanna Stålhammar | Swedish University of Agricultural Sciences, Sweden



Sanna is an interdisciplinary sustainability scientist interested in the social dimension of biodiversity and ecosystem services. She draws on critical social science perspectives to examine concepts, values and valuation of nature. She is passionate about exploring plural ways of knowing nature and strives to develop inclusive approaches for governance beyond anthropocentrism.

SOCIAL ECOLOGY SESSION PANELISTS

Heather Alberro | Nottingham Trent University, UK



Heather is a lecturer in global environmental challenges & sustainable development at Nottingham Trent University, in the Department of History, Languages and Global Culture. Her background and interests span a range of disciplines including green utopianism, critical posthuman theory, environmental ethics, and literary ecocriticism. Her publications include the chapter 'Interspecies' in the *The Cambridge Companion to Literature and the Anthropocene* (2021) and 'In and against ecopocalypse: On the terrestrial ecotopianism of radical environmental activists' (2021) published in the journal *Utopian Studies*. Heather also serves as co-convenor for the Political Studies Association's (PSA) environmental politics specialist group and writes frequently for *The Conversation UK*.

Joe Gray | Associate Editor, *The Ecological Citizen*, UK: Ecoforestry and nature education



I am an independent researcher and writer with a particular interest in the practical implications of ecocentrism, especially within the field of forestry. I am also involved in various activities related to biodiversity recording and nature education, including through a role as Associate Tutor for the Field Studies Council. Additionally, I serve as a Knowledge Advisor on ecological ethics for the United Nations' Harmony with Nature program.

SOCIAL ECOLOGY SESSION PANELISTS

Clive L. Spash | Vienna University of Economics and Business, Austria



Professor Clive L. Spash is an economist, Chair of Public Policy & Governance at WU Vienna University of Economics & Business, Editor-in-Chief of *Environmental Values*, and former President of the European Society for Ecological Economics (ESEE). His work on conservation and biodiversity has related to economic value and ethical issues extending over 30 years. As an ecological economist he has promoted the need for social-ecological transformation of growth economies and price-making market systems, as well as a paradigm shift in economic thought. More information can be found at www.clivespash.org

Bron Taylor | Vienna University of Economics and Business, Austria



Bron Taylor is Professor of Religion and Environmental Ethics at the University of Florida. An interdisciplinary environmental studies scholar, he explores through the lenses of the sciences and humanities the complex relationships among worldviews, values, ideologies, and socioecological systems. He is also editor of the award-winning *Encyclopedia of Religion and Nature* (2005) and in 2017, received a Lifetime Achievement award from the International Society for the Study of Religion, Nature and Culture. See also www.brontaylor.com.

SOCIAL ECOLOGY SESSION PANELISTS

Martin Lee Mueller | University of Oslo, Norway



Martin Lee Mueller is a postdoctoral researcher at the Department of Teacher Education and School Research at the University of Oslo. A stage performance inspired by his Nautilus Book Award-winning debut, [*Being Salmon, Being Human. Discovering the Wild in Us and Us in the Wild*](#), has been touring internationally since 2016 and is currently invited to be performed at the UN climate summit COP-26. Martin is co-founder of the non-profit [VILLAKS](#), co-leader of the non-profit [Small Earth Institute](#), and an affiliate scholar with the Arne Næss Program at the Oslo-based Centre for Development and the Environment.

Arne Johan Vetlesen | University of Oslo, Norway



Arne Johan Vetlesen is Professor of Philosophy at the University of Oslo, Department of Philosophy, Classics, History of Art and Ideas. His work focuses on ethics, environmental philosophy and social philosophy. Vetlesen works interdisciplinary, often combining his philosophical theses with insights from psychology, sociology and anthropology. He is the author of more than twenty books on diverse topics such as environmental philosophy, moral philosophy, hermeneutics and psychoanalysis, social philosophy, consumerism and capitalism. His books in English include a trilogy on environmental philosophy, *The Denial of Nature* (2015), *Cosmologies of the Anthropocene* (2019), and “Animal Lives and Why They Matter” with an anticipated release in 2022.

THURSDAY NOVEMBER 18 – MORNING: LANDSCAPE ECOLOGY SESSION

- 09:00 – 12:00
- All times are CET
- Online on zoom

SCHEDULE

- 09:00 **Welcome to the session**
Chair: Laura Bosco | Finnish Museum of Natural History Helsinki & SCB Europe, Finland
- 09:05 **Keynote: Connectivity and green infrastructure in fragmented landscapes**
[Sara Cousins](#) | Stockholm University, Sweden
- 09:35 **Landscape effects on farmland biodiversity and ecosystem services**
[Emily Poppenborg](#) | University of Hannover, Germany
- 10:00 *Coffee break | Discussion (15 mins)*
- 10:15 **Landscape structure is a major driver of plant and arthropod diversity in natural European forest-steppe fragments**
[Róbert Gallé](#) | Centre for Ecological Research, Hungary
- 10:35 **A conservation framework to improve management of migratory birds based on site networks**
[Yanjie Xu](#) | Finnish Museum of Natural History Helsinki, Finland
- 10:55 **Plant-pollinator metanetworks in fragmented landscapes**
[Felipe Libran](#) | University of Hannover, Germany
- 11:15 **A landscape perspective on the management of invasive plants**
[Yves P. Klinger](#) | Justus Liebig University Giessen, Germany
- 11:35 *Discussion, outlook, and session wrap-up*
- 12:00 *End of session*

LANDSCAPE ECOLOGY SESSION SPEAKERS

Sara Cousins | Stockholm University, Sweden

KEYNOTE talk title: Connectivity and green infrastructure in fragmented landscapes

Time: 09:05 – 09:35



Sara's research focuses on how species, communities and biodiversity respond with time to changing landscape patterns, habitat loss, fragmentation, and global change. Connectivity and dispersal in past and present landscapes and whether small remnant habitats can contribute to landscape biodiversity are important parts of her research. Sara teaches landscape ecology and biogeography and is a passionate field teacher.

 Twitter: [@SAOCousins](https://twitter.com/SAOCousins)

Emily Poppenborg | University of Hannover, Germany

Talk title: Landscape effects on farmland biodiversity and ecosystem services

Time: 09:35 – 10:00



Emily's main research focus is the landscape ecology of arthropod biodiversity and the links between species interactions, community structure and provision of ecosystem services in space and time, especially natural pest control and pollination. She also focusses on strategies for an ecological intensification of agriculture in temperate and tropical agroecosystems.

 Twitter: [@eap_martin](https://twitter.com/eap_martin), [@ZooBiodiv](https://twitter.com/ZooBiodiv)

LANDSCAPE ECOLOGY SESSION SPEAKERS

Róbert Gallé | Centre for Ecological Research, Hungary

Talk title: Landscape structure is a major driver of plant and arthropod diversity in natural European forest-steppe fragments

Time: 10:15 – 10:35



Róbert is a Hungarian ecologist working at the Centre for Ecological Research. He studies landscape scale effects on the biota of Central European forest-steppes with a special focus on spiders. He also works on role of small habitat patches and secondary habitats in conserving diversity.

Yanjie Xu | Finnish Museum of Natural History, Finland

Talk title: A conservation framework to improve management of migratory birds based on site networks

Time: 10:35 – 10:55



Yanjie is a spatial ecologist broadly interested in macroecology, animal migration, land use and climate change, spatial epidemiology, and wildlife conservation. Her research focuses on the ecology and conservation of migratory animals. In particular, she studies the dynamics of zoonoses in migratory birds and bats under climate change. She also has a particular interest in the causes and consequences of decreasing connectivity in bird movement pathways.

 Twitter: [@YanjieXu3](https://twitter.com/YanjieXu3)

LANDSCAPE ECOLOGY SESSION SPEAKERS

Felipe Libran | University of Hannover, Germany

Talk title: Plant-pollinator metanetworks in fragmented landscapes

Time: 10:55 – 11:15



Felipe is an ecologist with a bachelor in Biological Sciences from the UdelaR (Uruguay), a master in Ecology from the USP (Brazil) and a PhD from the Faculty of Agricultural Sciences of the University of Göttingen (Germany). He is broadly interested in landscape ecology, biological conservation, and ecosystem services. Specifically, his research has focused on how the landscape structure affects pest control services and pollination networks in landscapes dominated by agriculture. Currently, Felipe is working in the UPSCALE project that deals with push-pull agricultural systems in East Africa.



Twitter: [@LibranEmbido](https://twitter.com/LibranEmbido)

Yves P. Klinger | Justus Liebig University Giessen, Germany

Talk title: A landscape perspective on the management of invasive plants

Time: 11:15 – 11:35



Yves is a postdoc at the Justus Liebig University Giessen. He finished his Ph.D. thesis about the ecology and management of the invasive garden lupine (*Lupinus polyphyllus*) in 2021. Research interests include invasive species in grassland ecosystems, the functional properties of plant communities and dispersal ecology.

THURSDAY NOVEMBER 18 – AFTERNOON: POLICY SESSION

- 14:00 – 17:00
- All times are CET
- Online on zoom

SCHEDULE

- 14:00 **Welcome to the session**
Chair: [Per Sjögren-Gulve](#) | SCB Europe Section
- 14:05 **Evidence complacency and how evidence use can be encouraged**
[William Sutherland](#) | University of Cambridge, UK
- 14:35 **Legal instruments to protect nature**
[Maria Forsberg](#) | Uppsala University, Sweden
- 15:05 *Plenary discussion combined with coffee/rest break (25 mins)*
- 15:30 **Opportunities and barriers for reversing farmland biodiversity loss: science-policy interactions around the Common Agricultural Policy**
[Guy Pe'er](#) | German Centre for Integrative Biodiversity Research (iDiv) & UFZ - Helmholtz Centre for Environmental Research, Germany
- 16:00 **European biodiversity conservation - forests and forestry: habitat quality, area, and aggregation vs. deterioration, destruction, and fragmentation**
[Ninni Mikkonen](#) | Finnish Environment Institute (SYKE), Finland
- 16:30 *Plenary discussion and conclusion of session*
- 17:00 *End of session*



FRIDAY NOVEMBER 19 – MORNING: CONSERVATION GENETICS

- 09:00 – 14:20
- All times are CET
- Online on zoom

SCHEDULE

- 09:00 **Welcome to the session**
Chair: Michelle Henley | University of Edinburgh & Scottish Wildlife Trust & SCB Europe, UK
- 09:05 **Keynote: Monitoring of genetic diversity - Post2020 initiatives at international and national levels**
[Linda Laikre](#) | University of Stockholm, Sweden
- 09:30 **The genetic diversity and structure in the European polecat were not affected by the introduction of the American mink in Poland**
[Begoña Martínez-Cruz](#) | Liverpool John Moores University, UK
- 09:50 **Population genomic analyses of the grey wolf (*Canis lupus*) in Eurasia**
[Astrid Vik Stronen](#) | University of Ljubljana, Slovenia
- 10:10 *Break (15 mins)*
- 10:25 **Conservation genetics in Cambodia; hybrid crocodiles and elusive elephants**
[Alex Ball](#) | WildGenes Lab, Royal Zoological Society, Edinburgh, UK
- 10:40 **Using genetics to generate a vital link between *in situ* and *ex situ* populations of addax, a critically endangered desert antelope**
[Kara Dicks](#) | WildGenes Lab, Royal Zoological Society, Edinburgh, UK
- 10:55 *Break (5 mins)*

- 11:00 **Conservation genomics of manta and devil rays**
[Emily Humble](#) | University of Edinburgh, UK
- 11:15 **Many tiny fragments everywhere: how DNA metabarcoding is boosting marine conservation**
[Stefano Mariani](#) | Liverpool John Moores University, UK
- 11:40 *Lunch break (60 mins)*
- 12:40 **eBioAtlas: Scaling up eDNA monitoring around the world**
[Natalie Swan](#) | NatureMetrics, UK
- 12:55 **How to introduce the genomic perspective into the next decade conservation policies: the activities of the European network G-BiKE**
[Cristiano Vernesi](#) | Chair of a COST Action G-BiKE, and researcher, PI, Research and Innovation Centre Fondazione E. Mach, Italy
- 13:20 *Break (5 mins)*
- 13:25 **Keynote: Doing conservation genomics so you don't have to use genomics: an example in Atlantic salmon**
[Craig Primmer](#) | University of Helsinki, Finland
- 13:50 *Plenary discussion and wrap-up*
- 14:20 *End of session*

CONSERVATION GENETICS SESSION SPEAKERS

Linda Laikre | University of Stockholm, Sweden

KEYNOTE talk title: Monitoring of genetic diversity - Post2020 initiatives at international and national levels



Linda is a professor of population genetics with strong focus on conservation of genetic diversity.

Links: [Profile](#)

Begoña Martinez-Cruz | Liverpool John Moores University, UK

Talk title: The genetic diversity and structure in the European polecat were not affected by the introduction of the American mink in Poland



Begoña is a lecturer/senior lecturer at Liverpool John Moores University. She completed her PhD at Doñana Biological Station (CSIC) in Sevilla, Spain on the effects that the dramatic reduction and fragmentation suffered by the highly endangered Spanish Imperial eagle had on the genetic patterns and processes of the species. She moved to the field of Anthropological genetics, first at the Humankind museum in Paris (MNHN) and after at the University Pompeu Fabra in Barcelona, where she studied the effects of social structure and migrations in the Central Asian and European human populations, respectively. Begoña worked for six months in the Mammal Research Institute in Białowieża, where she conducted a genetic study on the impact of the American mink on the European polecat. She then returned to Doñana Biological Station to apply genomics to follow her research on the Spanish imperial eagle and the Iberian lynx.

Links: [Profile](#) [ResearchGate](#)

CONSERVATION GENETICS SESSION SPEAKERS

Astrid Vik Stronen | University of Ljubljana, Slovenia

Talk title: Population genomic analyses of the gray wolf (*Canis lupus*) in Eurasia



Astrid's research is centered on conservation, evolutionary and ecological genetics of carnivores. Current projects include genomic analyses of wolves across Eurasia, and population structure of wolves and golden jackals in south-central Europe. Astrid also works on wolves, coyotes and their hybrids in east-central Canada. Other recent studies include genetic analyses of Nordic dog and cattle breeds at risk, and wild species including bison, bears, and monk seals.

Links: [Profile](#)  Twitter: [@AstridVStronen](#)

Alex Ball | WildGenes Lab, Royal Zoological Society, Edinburgh, UK

Talk topic: Supporting conservation in Cambodia: Siamese crocodile and Asian elephant, title TBA



Dr Alex Ball is the RZSS WildGenes Program Manager at the Royal Zoological Society of Scotland. Based at Edinburgh Zoo he manages the conservation genetics work of the society, focused on a range of national and international projects on threatened species. Our aim is to bridge the gap between academic genetic research and applied conservation. Alex has a background in avian evolutionary genetics, but now works on a wider range of taxa from elephants to insects, with the focus firmly on mitigating extinction risk.

Links: [Profile](#)

CONSERVATION GENETICS SESSION SPEAKERS

Kara Dicks | WildGenes Lab, Royal Zoological Society, Edinburgh, UK

Talk title: Using genetics to generate a vital link between *in situ* and *ex situ* populations of addax, a Critically Endangered desert antelope



Dr Kara Dicks is a Research Scientist at RZSS WildGenes, where the team translates genetic data into applied conservation management. Kara has a background in evolutionary and conservation genetics and currently focuses on the genetics of arid land antelope. Conservation of these highly threatened antelope requires a global approach incorporating wild, captive and reintroduced populations. Integrating genetic data into conservation planning provides the vital link to connect these populations, and optimize conservation management both in and out of the wild.

Links: [Profile](#)  Twitter: [@kara_dicks](#)

Emily Humble | University of Edinburgh, UK

Talk title: Conservation genomics of manta and devil rays



Emily Humble is a Research Fellow at the University of Edinburgh. She uses large genomic datasets to help inform conservation management and wildlife law enforcement. Emily's current work includes assessments of genomic diversity and population structure in North African antelope and critically endangered guitarfish and wedgefish. She has a particular interest in manta and devil rays and works closely with the Manta Trust on a global manta ray genetics project.

Links: [Profile](#), [Manta Trust](#)

CONSERVATION GENETICS SESSION SPEAKERS

Stefano Mariani | Liverpool John Moores University, UK

Talk title: Many tiny fragments everywhere: how DNA metabarcoding is boosting marine conservation



Stefano is a marine ecologist and population geneticist, working primarily on fish, though he occasionally ventures into the non-scaly world of crustaceans, mollusks and even mammals! His main research interests include i) the application of population genetics for the identification of management and conservation units; ii) the use of DNA barcoding and metabarcoding to explore and assess biodiversity; iii) the biological and socioeconomic drivers of seafood consumption; iv) the evolution of sex change in fish and its consequences for fisheries.

Links: [Mariani Lab](#)  Twitter: [@TheMarianiLab](#)

Natalie Swan | NatureMetrics, UK

Talk topic: eBioAtlas



Natalie has over 10 years' experience in conservation research, biodiversity monitoring and project management, principally in tropical forest ecosystems in Latin America. She has a dual-PhD in Environmental Science from Lancaster University in the UK and Federal University of Lavras in Brazil, focusing on the use of non-traditional approaches to understand hunting and conservation of wildlife in Brazil. She now works on the conservation team at NatureMetrics – a DNA-based biodiversity monitoring company in the UK – to advise and support the integration of DNA-based tools in biodiversity monitoring for conservation projects worldwide.

Links: [LinkedIn](#) [Website](#)  Twitter: [@Amazon_Swan](#)

CONSERVATION GENETICS SESSION SPEAKERS

Cristiano Vernesi | Chair of G-BIKE | Innovation Centre Fondazione E. Mach, Italy

Talk title: How to introduce the genomic perspective into the next decade conservation policies: the activities of the European network G-BiKE



After receiving a PhD in Molecular Anthropology, Cristiano moved to the conservation genetics field focussing on habitats and organisms related to mountain ecosystems. He has tried to pursue a multi-locus and multi-species approach that now has evolved in a genome-based survey of different organisms of the mountain ecosystems, also in a temporal dimension. Cristiano has strong experience in ancient DNA analyses combined with environmental DNA. In parallel with these research activities, he has been increasingly involved in the policy-science interface with the specific aim of promoting the inclusion of intra-species genetic diversity into the new policies related to biodiversity management and conservation.

Links: [Profile](#) [G-BiKE](#)

Craig Primmer | University of Helsinki, Finland

Talk Title: Doing conservation genomics so you don't have to use genomics: an example in Atlantic salmon



Craig Primmer is a Professor of Genomics at the University of Helsinki, Finland. His research group uses functional genomic, ecological and evolutionary approaches to link genotype, phenotype and fitness in life-history traits such as age at maturity, with a current focus on Atlantic salmon. The group also applies the obtained knowledge for improving conservation and management.

Links: [Profile](#)  Twitter: [@FishConGen](#)

FRIDAY NOVEMBER 19 – AFTERNOON: KEYNOTE SPEAKER AND WEBINAR CLOSING

- 14:30 – 15:30
- All times are CET
- Online on zoom

SCHEDULE

- 14:30 **Biodiversity economics**
Clive Spash | Vienna University of Economics and Business, Austria
- 15:00 Plenary discussion and wrap-up
- 15:30 **End of Webinar Series**

Clive L. Spash | Vienna University of Economics and Business, Austria



Professor Clive L. Spash is an economist, Chair of Public Policy & Governance at WU Vienna University of Economics & Business, Editor-in-Chief of *Environmental Values*, and former President of the European Society for Ecological Economics (ESEE). His work on conservation and biodiversity has related to economic value and ethical issues extending over 30 years. As an ecological economist he has promoted the need for social-ecological transformation of growth economies and price-making market systems, as well as a paradigm shift in economic thought. More information can be found at www.clivespash.org



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MORE INFO [HERE](#)



Czech
University
of Life Sciences
Prague



Society for Conservation Biology