

SCIENTIFIC PROGRAM

SESSION LECTURE

No.2

**Animal Ecology and Conservation Biology in
Endangered Species**
Room: Dong Yu Grand Ballroom 3

**Co-Chairs:
Yonggang Nie**



Ron Swaisgood



Day 3 October 21st (Monday) 09:00 – 12:15

Time	Speaker	Title
09:00-09:30	Amaël Borzée Nanjing Forestry University, China	Threatened treefrogs around the Yellow Sea: the combined threats of large cities and rice trade, and future conservation opportunities.
09:30-10:00	Michael Kearney The University of Melbourne, Australia	Modelling and mapping the ecological niche
10:00-10:30	Pengfei Fan Sun Yat-Sen University, China	Population recovery of the world's rarest primate species: diet, nutrition, and habitat use
10:30-10:45	Tea Break	
10:45-11:15	Ron Swaisgood San Diego Zoo, USA	Behavioral and ecological solutions to problems encountered in translocations of endangered species
11:15-11:45	Zhijun Ma Fudan University, China	The function of artificial habitats in waterbird conservation
11:45-12:15	Liang Ma Sun Yat-Sen University, China	Climate change impact on terrestrial animals in hidden spaces and stages



Amaël Borzée

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Professor of ecology at Nanjing Forestry University, where he is leading the Laboratory of Animal Behaviour and Conservation, and co-chair of the IUCN SSC Amphibian Specialist Group. His research is focused on behavioural ecology and landscape use by amphibians, integrating the methods from all disciplines available for conservation research.



Michael Kearney

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Full Professor in the School of BioSciences at the University of Melbourne, working in the fields of ecology, physiology and evolutionary biology. He pioneered a new field called 'mechanistic niche modelling' which applies principles of energy and mass exchange to compute the trajectories of environments that allow organisms to survive and reproduce. He is a Highly Cited Researcher (2014-2020), with over 190 publications, and his work has been cited nearly 27,000 times (Google Scholar, h-index 66). Michael Kearney was elected as fellows in the Australian Academy of Science in 2024 and get the Laureate Fellowship in the same year.



Pengfei Fan

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Professor of School of Life Sciences, Sun Yat-Sen University. He is particularly interested in gibbons, and has been working on gibbons since 2002. The aims of his research are to integrate behavior and ecology with social science to promote gibbon conservation in China and southeast Asia.



Ron Swaisgood

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Dr. Ron Swaisgood serves San Diego Zoo Wildlife Alliance as the Brown Endowed Director of Recovery Ecology. He oversees several species conservation programs locally in Southern California and around the globe. His interests lie primarily in the pragmatic application of ecological and behavioral knowledge to solving conservation problems. In practice, his research interests include mating systems, communication, denning ecology, spatial ecology, habitat selection, foraging ecology, and reintroduction biology. In addition to leading the division, he serves as the General Scientific Director of Cocha Cashu Biological Station in the Peruvian Amazon.



Zhijun Ma

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Professor at the School of Life Science, Fudan University. Study on bird ecology, focusing on habitat ecology, migration ecology and conservation biology. His research interests include detecting the impacts of environmental changes on birds from the perspective of individual behavior, population dynamics, and community structure, and exploring conservation strategies of birds and their habitats.



Liang Ma

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Associate professor of School of Ecology, Sun Yat-Sen University. Liang Ma develops innovative niche models based on empirical study to address fundamental questions in animal physiological ecology. He aims to use those insights to conserve biodiversity in the face of climate change and other environmental changes.