



SCIENCE AND
CONSERVATION EVENTS

Developing a National Camera Trap Survey for Hedgehog Conservation

DATE

Tuesday 1 April 2025

TIME

6pm – 7:30pm

LOCATION

Huxley Lecture
Theatre, ZSL

Free to attend
Registration required



AGENDA

Dr Henrietta Pringle

**People's Trust for Endangered Species &
British Hedgehog Preservation Society
and Dr Emma Cartledge**

Nottingham Trent University

*Coordinating a national citizen-science
camera-trap survey*

Professor Russell Hill

Durham University & MammalWeb

Integrating AI and citizen science data

Professor Marcus Rowcliffe

Institute of Zoology, ZSL

*The application of the Random Encounter
Model to mammal monitoring in the UK*

Professor Chris Carbone

Institute of Zoology, ZSL

*Challenges and Lessons from National
Camera Trap Networks*

Chaired by **Dr Richard Yarnell**, Nottingham
Trent University

BIOGRAPHIES

Dr Henrietta Pringle, People's Trust for Endangered Species & British Hedgehog Preservation Society

***Henrietta** is the National Hedgehog Monitoring Programme Project Coordinator, which involves working with experts from academia and conservation, alongside staff and volunteers from all organisations involved with the NHMP across the country. Prior to her current role with the People's Trust for Endangered Species, Henrietta worked as a Research Ecologist for the British Trust for Ornithology, having received her PhD from Imperial College London.*

Dr Emma Cartledge, Nottingham Trent University

***Emma** is a Research Fellow in the School of Animal, Rural and Environmental Sciences at Nottingham Trent University. Emma's research interests lie at the interface of conservation science and conservation practice. In particular, Emma's recent work has been focused mammalian population monitoring and survey methods, and she is part of the team behind the National Hedgehog Monitoring Programme. Before moving to NTU, Emma completed a PhD at the University of Liverpool, working on dormouse conservation. This work included dormouse population analysis and survey method development, in collaboration with the Cheshire Wildlife Trust.*

Professor Russell Hill, Durham University

***Russell** is an evolutionary anthropologist in the Department of Anthropology at Durham University. Russell's research interests span mammalian behavioural ecology, predator–prey interactions, and interdisciplinary approaches to understanding human–wildlife interactions and increasingly explores the use of citizen science to inform biodiversity management and conservation. He is a Trustee of MammalWeb, a citizen science platform set up to collate, validate and curate camera trap data that can inform us about the distribution and ecology of mammals.*

Professor Marcus Rowcliffe, Institute of Zoology, ZSL

***Marcus** is a conservation scientist with an academic background in ecology. His current research focuses primarily on biodiversity monitoring, in particular the use of technology to monitor elusive species. This includes terrestrial camera trapping, underwater cameras, drone surveys and acoustic monitoring. His most important contribution in this area is the development of statistical methods and tools to estimate animal abundance from camera trap data, and the software and standards needed to create efficient data pipelines to apply these methods. Marcus applies these methods to issues from urban wildlife conservation and badger vaccination in the UK, to conservation of critically endangered species such as the wild camel in Mongolia.*

Professor Chris Carbone, Institute of Zoology, ZSL

Chris's research combines theoretical approaches and comparative analyses to look at broad-scale patterns in ecology related to body size, diet and community structure. He has also worked on a wide range of projects examining human-wildlife co-existence, particularly focusing on the impacts of altered landscapes on wildlife ecology and species richness. His research includes examining ways to improve wildlife monitoring methods, particularly focusing on the use of camera traps to estimate mammalian abundance and biodiversity. In 2016 he founded the London HogWatch Project, which uses camera trap surveys and other data to understand the distributions of hedgehogs and other mammal species across greater London.

Dr Richard Yarnell, Nottingham Trent University

Richard is Associate Professor in the School of Animal, Rural and Environmental Sciences at Nottingham Trent University. His research interests include carnivore ecology and conservation and population dynamics of small mammals, with a focus on hedgehogs in the UK. Richard uses trail cameras and movement loggers to understand variability in population size across regions and how individual animals select and use habitats. He is also a member of the National Hedgehog National Monitoring Programme team.



EVENT FORMAT

- This event will take place in the Huxley Lecture Theatre and will be filmed and published on our Science and Conservation YouTube channel (zsl.org/IOZYouTube). Please be aware, by attending you consent to being recorded during the Q&A session.
- Seats are allocated on a first-come, first-served basis.
- Before attending, please read our Code of Conduct found [here](#).
- The event will run from 6-7:30pm
- It will consist of short presentations from the speakers, followed by a Q&A and panel sessions.
- To submit a question to a speaker prior to the event, please send it to scientific.events@zsl.org. Please be aware we may not be able to answer all questions.
- There is no charge for this event, but registration is required.



COMING UP...

Seascape Symposium II: Reconnecting the Seascape

4-5 June 2025, 9am-5pm

Huxley Lecture Theatre, ZSL and online

Temperate coastal habitats individually support a diverse abundance of marine life and hold critical value for climate regulation, water quality, and coastal defence. However, their potential to deliver ecosystem services is amplified when they co-exist as one connected habitat mosaic: the temperate coastal seascape. Seascape Symposium II will bring together a community of experts to increase understanding of the ecology, connectivity and interactions between habitats across the temperate seascape.

Book your place now

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