Chartered Institute of Ecology and Environmental Management
CIEEM

CIEEM 2025 Summer Conference
Embracing the AI Revolution in Ecology and Environmental Management
15 July 2025 - Online

SESSION 1.	
Chair: Penny Lewns CEcol CEnv MCIEEM, CIEEM President	
9:30	**Welcome and Introduction** - Penny Lewns CEcol CEnv MCIEEM, CIEEM President
9:35	**Using AI to understand what works in conservation** – Sam Reynolds, University of Cambridge
10:00	**Making Sense of AI for Restoring Nature: Landscape, Opportunities and Trends** – Drew Purves PhD, Google DeepMind
10.25	**Complementary strengths: AI and traditional ecology in partnership** – Dr Justin Byrne MCIEEM and Lauren Weller MCIEEM, AiDash
10:50	**Break**
SESSION 2.	
Chair: Dr Carlos Abrahams PgC FCIEEM, Baker Consultants Limited	
11:20	**From sensors to inference: a framework for integrating AI into ecological monitoring of human-wildlife interactions'** – Amber Cowans, University of St Andrews & Cairngorms Connect
11:45	**Autonomous approaches for biodiversity assessment using machine learning - innovations for identifying individual animals for badgers and great crested newts** – Dr Maria Duarte Rosa, Dr Chung-Man Tang and Dr Jim Littlemore, Anglia Ruskin University
12.15	**Scalable, end-to-end data management and species identification for passive acoustic monitoring: the BTO Acoustic Pipeline** – Simon Gillings PhD, British Trust for Ornithology
12:40	**Lunch**
SESSION 3.	
Chair: Aebhin Cawley CEnv MCIEEM, Vice-President (Ireland)	
13:40	**Designing for ecological intelligence: lessons from a start-up-inspired AI tool for biodiversity reporting'** – Eli Kane, DNV
14:05	**Ty Peilot: A multi-agent AI platform for contradiction-driven biodiversity enhancement in post-industrial regeneration** – Darrell Mann CEng FIMechE, Systematic Innovation Network
14:30	**AI-powered habitat mapping: keeping up with a changing landscape** – Dr Eleanor Thomson, Gentian
14:55	**Break**
SESSION 4.	
Chair: Chris Gerrard CEnv MCIEEM, Vice-President (England)	
15:25	**Mindful integration of AI in ecological consultancies: navigating privacy, ethics, and sustainability** – Richard Dodd CEcol MCIEEM, Wildwood Ecology
15:50	**'Next steps in AI for biodiversity benefit'** - AI panel discussion – featuring users and providers of AI tools - Lauren Weller MCIEEM, AiDash; Richard Dodd CEcol MCIEEM, Wildwood Ecology; Dr Mark Nason MCIEEM CERP M.I. Soil Sci, CIEEM; Dr Eleanor Thomson, Gentian; and Callum Throw N.Dip Arb MArborA PTI, Managing Director and Principal Consultant, Arb Innovators Ltd
16:30	**Summary and Close**