

Centre for Ecology and Evolution (CEE) Autumn Event: 8th floor Bush House North Climate change and Biodiversity

- 10.40-11am Registration Bush House North side entrance
- 11am Welcome from King's organisers: Jane Catford and Abbie Tucker
- 11.05am Welcome from CEE Directors: Aida Andres and Jon Bridle
- 11.10am Welcome from Frans Berkhout, introduction to King's Climate & Sustainability
- 11.20am Sophie Ferguson Royal Society
Society publishing and open science
- 11.30am Androniki Psifidi RVC
How genomic selection may improve the interaction between livestock and the environment
- 11.45am Aline Da Silva Cerqueira KCL
Climate Change on the North and Northeastern Coasts of Brazil: Challenges and Opportunities for Supporting Biodiversity and Coastal Livelihoods
- 12.00pm Joanne Littlefair QMUL
Answers in the air: monitoring changes in terrestrial biodiversity with environmental DNA
- 12.15pm Natalie Pettorelli IoZ
Conservation under rapid climatic changes: the case for rewilding
- 12.30pm Richard Nichols QMUL
Adapting to climate change - don't be ridiculous
- 12.45pm Patrick Hooper NHM
Protist diversity in cyanobacterial mats decreases with latitude across the Canadian Arctic (55-83°N)
- 1pm Lunch: selected sandwiches Bush House South
- 2pm Samuel Pironon Kew
Adapting agriculture to climate change: plant agrobiodiversity to the rescue
- 2.15pm Hana Merchant RHUL
*Local adaptation in South African mole-rats (*Cryptomys hottentotus hottentotus*) populations along an aridity gradient*
- 2.30pm Joseph Williamson UCL
Too Hot to Handle: Can thermal biology help predict biodiversity responses to global change?

- 2.45pm Aaron Le Blanc KCL
Constraints, selective pressures, and the convergent evolution of "mammalian enamel": new case studies in fossil and extant lepidosaurs
- 3.00pm Ebenezer Foster-Nyarko LSHTM
Genomic diversity of Escherichia coli from human-habituated monkeys in the Gambia
- 3.15pm Patricia Brekke IoZ
Using long-term datasets to understand adaptation in wild, threatened species
- 3.30pm Anish Banerjee ICL
Understanding the drivers of spatiotemporal patterns of the fox and badgers of Silwood Park
- 3.45pm Mojca Kristan LSHTM
Vector-borne diseases – a weathervane for climate change
- 4.00pm Break: coffee & tea and pastries Bush House South
- 4.30pm Julian Drewe RVC
Climate change and infectious disease epidemiology
- 4.45pm Marybel Soto Gomez Kew
Genome size is positively correlated with extinction risk in herbaceous angiosperms
- 5.00pm Cristina Garcia RHUL
Genetic, phenotypic, and environmental factors driving tree responses to extreme drought events
- 5.15pm David Redding NHM
Climate change impacts on zoonotic diseases
- 5.30pm Charlie Outhwaite UCL
The interactive effects of land use and climate change on global insect biodiversity
- 5.45pm Closing comments
- 6-8pm Drinks reception 8th floor Bush House South

CEE Institutes:

KCL: King's College London

IoZ: Institute of Zoology

NHM: Natural History Museum

RVC: Royal Veterinary College

RHUL: Royal Holloway, University of London

ICL: Imperial College London

QMUL: Queen Mary's University London

Kew

UCL: University College London

LSHTM: London School of Hygiene and Tropical Medicine