

#BOUsci21

## Developments in monitoring science

24–25 November 2021 | On Zoom and on Twitter!



### ZOOM & TWITTER PROGRAMME

- All times are UTC/GMT – please use this [time zone convertor](#) for your local time.
- Zoom presenters will tweet a summary of their presentation on Twitter during their Zoom presentation slot.
- Twitter-only presentations ([in blue below](#)) will be tweeted during the breaks of the Zoom programme.

DAY 1 – Wednesday, 24 November 2021

#### SESSION 1 – CORE MONITORING METHODS #SESH1

1045 **WELCOME AND CONFERENCE INTRODUCTION**

Chair: Mark Eaton | Chair, BOUsci21 Scientific Programme Committee  
Rare Breeding Birds Panel, UK | [@Mark\\_A\\_Eaton](#)

1100 **KEYNOTE**

**The UK Breeding Bird Survey: 27 years of monitoring and innovation**

Simon Gillings | British Trust for Ornithology, UK | [@simon\\_gillings](#)



1130 **Optimising regional and local monitoring schemes to study global change effects through hierarchical occupancy models**

Francisco Robledano-Aymerich | Universidad de Murcia, Spain | [@TimonelAymerich](#)

1145 **Testing the effectiveness of conservation interventions: a case study of the Mauritius Fody**

Theresa Robinson | Institute of Zoology / University of Reading, UK | [@snorkel\\_maiden](#)

1200 **Population trends from count data: handling environmental bias, overdispersion and excess of zeroes**

Pietro Tirozzi | University of Milano-Bicocca, Milano, Italy | [@TirozziPietro](#)

1215 **Changes in Hawai'i 'Ākepa densities: application of density surface models**

Richard Camp | U.S. Geological Survey, US | [@rcamp23](#)

1230 **Assessing methodology for counting and monitoring urban nesting gulls**

Ian Woodward and Daisy Burnell | British Trust for Ornithology and JNCC, UK | [@i\\_woodward](#)

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1245 ZOOM **BREAK** – but presentations and the conversation continue on Twitter!

[Twitter-only presentations during this break. See #BOUsci21 on Twitter.](#)

#### TWITTER-ONLY PRESENTATIONS #BREAK1

1250 **Inspecting avian conservation issues: eyes on the ground and in the sky**

Jha Ashish | College of Climate Change and Environmental Sciences, Kerala Agricultural University, India | [@ashishdurg](#)

1300 **The BBS: Pick 'n' Mix**

Sarah Harris | British Trust for Ornithology, UK | [@BBS\\_birds](#)

1310 **On Passage: Volunteer Seabirds at Sea (VSAS)**

Danni Thompson | Joint Nature Conservation Committee, UK | [@JNCC\\_UKseabirds](#)

1320 **The potential of drones for acoustic bird monitoring**

Andy Wilson | Gettysburg College, US | [@AndyWGettysburg](#)



## SESSION 2 – POLICY

#SESH2

Chair: David Noble | British Trust for Ornithology, UK | [@AparaNoble](#)

1345

### KEYNOTE

**Deploying data for nature conservation: how monitoring data is used to inform conservation policy and practice**

Kate Jennings | RSPB, UK | [@KeasdenKate](#)



1415

**Measuring the impact of reserves on breeding populations of wetland birds**

Sean Jellesmark | University College of London / Institute of Zoology, UK | [@SJellesmark](#)

1430

**Swans using roosts outside of reserves and the implications for population counts**

Joshua C Wilson | University of Southampton & Wildfowl and Wetlands Trust, UK | [@oshuwilson](#)

1445

**Monitoring quantity and quality of bird feeding and factors affecting the feeding**

Purabi Deshpande | University of Helsinki, Finland | [@flewjabi](#)

1500

**How avian citizen science played a role in post-Brexit negotiations**

Joseph Cooper | British Trust for Ornithology, UK | [@birdjoetweets](#)

1515

**The implications of using the IUCN Regional Red Listing process in a data-rich country**

Andrew Stanbury | RSPB Centre for Conservation Science, UK | [@ajstanbury](#)

1530

ZOOM **BREAK** – but remember to check out the Twitter presentations at #BOUsci21!

## SESSION 3 – ONLINE AND EMERGING TECHNOLOGIES

#SESH3

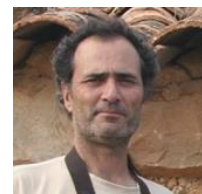
Chair: Dawn Balmer | Member, BOUsci21 Scientific Programme Committee | British Trust for Ornithology, UK | [@DEBALMER](#)

1600

### KEYNOTE

**The role of online bird recording portals in avian monitoring science**

Gabriel Gargallo | Catalan Ornithological Institute, Spain | [@\\_EBCC](#)



1630

**An evaluation of nocturnal survey methods for overwintering waders**

Wesley Payne | University of Hull, UK | [@Wes\\_E\\_Payne](#)

1645

**Introducing the Global Raptor Impact Network: a platform for collaboration on raptor research and monitoring**

Christopher McClure | The Peregrine Fund, US | [@CJWMcClure](#)

1700

**Web-sourced images reveal novel insights into the diet of a top avian predator**

Connor Panter | University of Nottingham, UK | [@ConnorEcology](#)

1715

**The application of weather radar for monitoring bird migrations and local movement**

Bart Kranstauber | University of Amsterdam, the Netherlands | [@bart\\_kra](#)

1730

**Keeping a close eye: Kākāpō conservation technology**

Andrew Digby | Kākāpō Recovery, Department of Conservation, New Zealand | [@takapodigs](#)

1745

**END OF DAY 1**

**See you tomorrow!**

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DAY 2 – Thursday, 25 November 2021

### SESSION 4 – BIOACOUSTICS

#SESH4

Chair: Fiona Burns | Member, BOUsci21 Scientific Programme Committee | RSPB, UK | [@F\\_E\\_Burns](#)

1100

#### KEYNOTE

**Emerging opportunities and challenges for passive acoustics in ecological assessment and monitoring**

Kate Jones | University College London, UK | [@ProfKateJones](#)



1130

**Comparing passive acoustic monitoring to point count survey to estimate avian diversity**

Vikram Malhi | University College London, UK | [@vikram2614](#)

1145

**Acoustic monitoring of Amazonian wildlife in human-modified landscapes**

Oliver Metcalf | Manchester Metropolitan University, UK | [@ecoacou\\_ollie](#)

1200

**Combining bioacoustics and occupancy modelling for improved monitoring of rare breeding bird populations**

Carlos Abrahams | Baker Consultants & Nottingham Trent University, UK | [@abr\\_eco](#)

1215

**Using remote audio recorders and non-vocal cues to survey the Trinidad Piping-guan, a critically endangered wing-drumming cracid**

Mark Hulme | University of the West Indies, Jamaica | [@MarkFHulme](#)

1230

ZOOM **BREAK** – but presentations and the conversation continue on Twitter!

[Twitter-only presentations during this break. See #BOUsci21 on Twitter.](#)

### TWITTER-ONLY PRESENTATIONS

#BREAK2

1250

**Demographic synthesis and population modelling reveal a data mismatch between monitoring outputs and conservation needs**

Alex Nicol-Harper | University of Southampton; Wildfowl & Wetlands Trust, UK | [@alexnicolharper](#)

1300

**Not silent yet; the changing sounds of spring**

Catriona Morrison | University of East Anglia, UK | [@CatMorrison18](#)

1310

**Winter space use and survival in central European Red Kites**

Connor Panter | University of Nottingham | [@ConnorEcology](#)

### SESSION 5 – DEMOGRAPHY

#SESH5

Chair: José Alves | Member, BOUsci21 Scientific Programme Committee | University of Aveiro (Portugal) and University of Iceland | [@\\_JoseAAlves\\_](#)

1330

#### KEYNOTE

**Improving assessments of data-limited populations using life-history theory**

Cat Horswill | ZSL Institute of Zoology and University College London, UK | [@CatHorswill](#)



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- 1400 **Assessing the potential value of a crude index of breeding wader productivity**  
Paul Noyes | British Trust for Ornithology, UK | [@Paul\\_J\\_Noyes](#)
- 1415 **Long-term winter bird ringing data reveal morphological adaptations to climate change**  
Laura Bosco | Finnish Museum of Natural History, Finland | [@LullulaBosco](#)
- 1430 **Exploring the potential for non-standardised bird ringing to contribute to demographic monitoring**  
Hugh Hanmer | British Trust for Ornithology, UK | [@HughHanmer](#)
- 1445 **Census of the largest Leach's Storm-petrel populations in the north-east Atlantic**  
Zoe Deakin | Cardiff University | [@Zoe\\_Deakin](#)
- 1500 **Beyond bespoke: standardized integrated population models reveal drivers of population dynamics of migratory birds across latitudes**  
Rob Robinson | British Trust for Ornithology, UK | [@btorobrob](#)

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1515 ZOOM **BREAK** - but remember to check out the Twitter presentations at #BOUsci21!

### SESSION 6 – CITIZEN SCIENCE

#SESH6

Chair: Juliet Vickery | BOU President | CEO, British Trust for Ornithology, UK | [@juliet\\_vickery](#)

#### 1600 **KEYNOTE**

##### **Flock together: innovations migrating across the participatory sciences**

Caren Cooper | North Carolina State University, US | [@CoopSciScoop](#)



#### 1630 **Monitoring albatrosses using super-high-resolution satellites and citizen science**

Ellie Bowler | British Antarctic Survey, UK | [@EllieBowler32](#)

#### 1645 **Making the most of monitoring data with model-based data integration**

Francesca Mancini | UK Centre for Ecology & Hydrology | [@Frances\\_Mancini](#)

#### 1700 **Synergies between citizen science and weather radar research**

Nadja Weisshaupt | Finnish Meteorological Institute, Finland | [@naweisshaupt](#)

#### 1715 **Top-down and bottom-up approaches for regional biodiversity trend estimation**

Philipp Boersch-Supan | British Trust for Ornithology, UK | [@pboesu](#)

#### 1730 **Precision citizen science: Spatially targeting recording effort by volunteers to improve biodiversity monitoring**

Michael Pocock | UK Centre for Ecology & Hydrology | [@mjopocock](#)

#### 1745 **CONFERENCE SUMMARY & CLOSE**

##### **Thank you and goodbye!**

Juliet Vickery | BOU President | CEO, British Trust for Ornithology, UK | [@juliet\\_vickery](#)

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