

#BOUsci20

## Climate Change and Birds: Solutions to the Crisis

24 November 2020 | On Zoom and on 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 immediately before/after their live Zoom presentation.
- Twitter-only presentations ([in blue below](#)) will be tweeted during the breaks of the Zoom programme.

#### SESSION 1 – VULNERABILITY IN THE TROPICS

#SESH1

0900	<b>WELCOME TO THE CONFERENCE</b>
Chair:	Juliet Vickery   BOU President & British Trust for Ornithology, UK   <a href="#">@juliet_vickery</a>
0905	<b>CONFERENCE INTRODUCTION</b>
	Christine Howard   BOUsci20 Co-Organiser & Durham University, UK   <a href="#">@_choward</a>
0915	<b>MaxEnt Modelling for predicting suitable vulture habitats in India and identifying impact of climate change</b>
	Radhika Jha   University of Lucknow, India   <a href="#">@radhikajha</a>
0930	<b>Mapping exposure to high temperatures predicts severe declines in arid-zone birds during the 21st Century</b>
	Shannon Conradie   University of Pretoria, South Africa Australia   <a href="#">@ConradieShannon</a>
0945	<b>Drought relief to farmers may help birds in arid zones of South Africa</b>
	Alan Lee   University of Cape Town & University of Kwa-Zulu Natal, South Africa   <a href="#">@ostrichJAO</a>
1000	<b>Climate change-driven collapse of breeding success in desert hornbills evident in a single decade</b>
	Nicholas Pattinson   FitzPatrick Institute of African Ornithology, South Africa   <a href="#">@nbpattinson</a>
1015	<b>Extreme events are more likely to affect the breeding success of Lesser Kestrels than average climate change</b>
	Joana Marcelino   University of Lisbon, Portugal   <a href="#">@jmarcelinopt</a>
<hr/>	
1030	ZOOM <b>BREAK</b> – but presentations and the conversation continue on Twitter! <a href="#">Twitter-only presentations during this break. See #BOUsci20 on Twitter.</a>
1030	<b>Climate impact on breeding decision adjustments in tundra predators shown from a long-term circumpolar dataset</b>
	Olga Kulikova   Institute of Biological Problems of the North (IBPN), Russia   <a href="#">@hobboto4ek</a>
1040	<b>Shrub-dwelling Ssongbirds follow Arctic greening in Chukotka, NE Russia</b>
	Pavel Ktitorov   Institute of Biological Problems of the North (IBPN), Russia   <a href="#">@PKtitorov</a>

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### SESSION 2 – SEABIRD VULNERABILITY

#SESH2

Chair: Francis Daunt | BOUsci20 Co-Organiser & UKCEH

1100

#### KEYNOTE

**Where, when and why are seabirds vulnerable to climate change**

Beth Scott | University of Aberdeen University, UK | [@BEScott\\_abdn](#)



1130

**The impacts of climate change on seabirds within a marine food web perspective**

Thomas Regnier | Marine Scotland Science, UK | [@marinescotland](#)

1145

**A review of the mechanisms by which climate change affects seabirds within the North-East Atlantic**

Daniel Johnston | British Trust for Ornithology, UK | [@TystieDan](#)

1200

**Seabirds, offshore wind farms and climate: the importance of including climate change forecasts in impact assessments**

Kate Searle | UK Centre for Ecology & Hydrology | [@KateRSearle](#)

1215

**Penguin exposure to climate change inferred through CMIP6 projections**

Nicolas A. Lois | University of Buenos Aires, Argentina | [@NicolasLois](#)

1230

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

[Twitter-only presentations during this break. See #BOUsci20 on Twitter.](#)

1230

**Analysis of Taiwan avian assemblage with network analyses**

Jing-Lun Huang | National Taiwan University | [@foxsjl](#)

1240

**Using non-invasive physiology methods to interpret incubation behaviour in an arid-zone bird**

Amanda R. Bourne | Fitzpatrick Institute of African Ornithology, South Africa | [@manda\\_babbler](#)

1250

**Dalmatian Pelican and Cormorant of the Lake Saltaim and Tenis of the Omsk oblast**

Sergej A. Soloviev | Omsk State University after Dostoevsky, Russia | [@sergejsoloviev4](#)

1300

**Global warming increases the occurrence of overlap between reproduction and moult in Mediterranean Great Tits**

Iris Solis Hernanz | University of Valencia, Spain | [@Sapphiris](#)

1310

**How migratory behaviour will evolve in response to climate change?**

Francisco Pulido | Complutense University of Madrid, Spain | [@FrPulido](#)

### SESSION 3 – CLIMATE CHANGE IN THE COLD

#SESH3

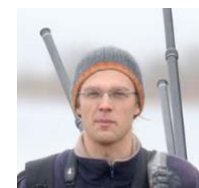
Chair: Stuart Butchart | BirdLife International, UK | [@stbutchart](#)

1330

#### KEYNOTE

**Climate change and abundance changes in birds: the role of habitat quality and protection**

Aleksi Lehikoinen | University of Helsinki, Finland | [@AksuLehikoinen](#)



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- 1400 **Effects of climate and land-use changes on a threatened mountain bird species**  
Arnaud Barras | University of Bern, Switzerland | [@AG\\_Barras](#)
- 1415 **Climate change and perishable food hoards of an avian predator: is the freezer still working?**  
Giulia Masoero | University of Turku, Finland | [@giumasoero](#)
- 1430 **Is the competition heating up? Prey selectivity and dietary overlap in warblers as a response to changing resources under future warming**  
Sarah Davies | Cardiff University, UK | [@sarseivad](#)
- 1445 **Can the phenological distribution of caterpillars buffer Blue Tits against the effects of climate-driven mis-timing?**  
Kirsty Macphie | University of Edinburgh, UK | [@KMacphie](#)

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1500 ZOOM **BREAK** – but presentations and the conversation continue on Twitter!

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1500 **Do birds compensate for reduced foraging at high temperature by increasing efforts when it's cool?**  
Benjamin Murphy | University of Cape Town, South Africa | [@Drongowhisperer](#)

1510 **The heat is on: how bird populations are responding to climate change**  
Lucy R. Mason | RSPB Centre for Conservation Science, UK | [@LucyRMason](#)

### SESSION 4 – TOWARDS A HOPEFUL FUTURE

#SESH4

Chair: Jo Gilbert | BOUsci20 Co-Organiser & RSPB, UK | [@JoGilbert42](#)

#### 1530 **KEYNOTE**

**Evolving conservation management in the face of climate change: delivering practical solutions for birds**

Graham White | RSPB, UK | [@BillyBloodworm](#)



1600 **Conservation interventions can benefit species impacted by climate change**  
Katharine Bowgen | British Trust for Ornithology, UK | [@modelbirder](#)

1615 **Missed-opportunity costs of behavioural thermoregulation and vulnerability to climate change**  
Susan Cunningham | University of Cape Town, South Africa | [@kiwi\\_sjc](#)

1630 **Global change and conservation priorities in Swiss breeding birds**  
Thomas Sattler | Swiss Ornithological Institute, Switzerland | [@vogelwarte\\_scie](#)

1645 **RSPB and United Utilities. Partnership restoration of an upland landscape for biodiversity, ecosystem services, resilience**  
Kate Hanley | RSPB, UK | [@RSPBDoveStone](#)

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1700 ZOOM **BREAK** – but presentations and the conversation continue on Twitter!

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1700 **Hotspots in the grid: the spatial distribution of bird-energy interactions in Europe and North Africa**  
Jethro Gauld | University of East Anglia, UK | [@Gauldblimeyjet](#)

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- 1710 **Climate induced range shifts explain trends in bird migration passage dates**  
Andreas Otterbeck | University of Helsinki, Finland | [@AndreasOtterbe1](#)
- 1720 **An extreme cold and rainy weather event curtails Great Tit breeding performance in Eastern Spain**  
Clara L. Vallejo | University of Valencia, Spain | [@BIO\\_Clara\\_V](#)
- 1730 **Range shift and phenological synchrony in a long-distance passerine migrant**  
Mark Eddowes | Independent researcher, UK | [@markeddowes](#)
- 1740 **Wildlife-wind energy knowledge accessibility and bias: a systematic review of a globally distributed bird group**  
Darío Fernández-Bellon | MKO Research, Ireland | [@dferbel](#)

### SESSION 5 – VULNERABILITY REVISITED

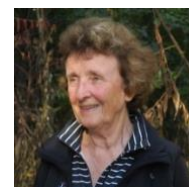
#SESH5

Chair: Christine Howard | BOUsci20 Co-Organiser & Durham University, UK | [@\\_choward](#)

#### 1800 **KEYNOTE**

**Temperate mountain bird resilience and vulnerabilities to climate variability**

Kathy Martin | University of British Columbia, Canada | [@UBC](#)



1830 **A trillion trees where? The positive synergy between climate change mitigation and bird conservation**

Jeff Price | Tyndall Centre for Climate Change Research, UK | [@ueaceec](#)

1845 **Future composition and distribution of the world's terrestrial bird communities under climate change**

Alke Voskamp | Senckenberg Biodiversity and Climate Research Centre SBIK-F, Germany | [@AlkeVoskamp](#)

1900 **Examining birds' responses to tropical cyclones and the traits shaping responses**

Eric I. Ameca | Beijing Normal University, China | [@EricAmeca](#)

1915 **Climate-driven local prey depletion drives foraging costs and breeding success in a declining seabird**

Annette Fayet | University of Oxford, UK | [@AnnetteFayet](#)

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1930 ZOOM **BREAK** – but presentations and the conversation continue on Twitter!

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1930 **Climate change and the parental care coordination of Arctic seabirds**

Fionnuala McCully | University of Liverpool, UK | [@FR\\_McCully](#)

1940 **Pelagic seabirds fly into the eye of the storm**

Emmanouil Lempidakis | Swansea University, UK | [@Manos69188358](#)

### SESSION 6 – MORE CLIMATE CHANGE IMPACTS

#SESH6

Chair: James Pearce-Higgins | BOUsci20 Co-Organiser & British Trust for Ornithology, UK

2000 **Migratory phenology of the Gray Catbird: a circular approach**

Lauren Puleo | University of Central Florida, US | [@LimpkinLauren](#)

2015 **Fraser Estuary Marshes are deteriorating due to Arctic warming effects on Arctic geese**

W. Sean Boyd | Environment & Climate Change Canada | [@environmentca](#)

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- 2030 **Earlier arthropod emergence and higher temperatures reduce growth in high-Arctic Red Knot chicks**  
Thomas Lameris | Royal Netherlands Institute for Sea Research, the Netherlands |  
🐦 @thomaslameris
- 2045 **Personality differences in the selection of dynamic refugia have demographic consequences for a winter-adapted bird**  
Amy Shipley | University of Wisconsin-Madison, US | 🐦 @amy\_a\_shipley

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2100 ZOOM **BREAK** – but presentations and the conversation continue on Twitter!

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- 2100 **Direct and indirect effects of nesting site characteristics for a cliff-nesting, Arctic raptor in Alaska**  
Michael T Henderson | The Peregrine Fund, US | 🐦 @Henderson\_GYRF
- 2110 **Montane species and communities track recent warming more closely in the tropics**  
Benjamin Freeman | University of British Columbia, Canada | 🐦 @BenGFreeman1

### SESSION 7 – CONSERVATION IN THE 21ST CENTURY

#SESH7

Chair: Jo Gilbert | BOUsci20 Co-Organiser & RSPB, UK | 🐦 @JoGilbert42

#### 2130 **KEYNOTE**

**Fitting the lens of climate change on bird conservation in the 21st century**

Ben Zuckerberg | University of Wisconsin-Madison, US | 🐦 @ZuckerbergLab



2200 **A synthesis of climate change impacts on boreal bird communities in boreal managed forests of Canada**

Junior A. Tremblay | Environment and Climate Change Canada | 🐦 @tremblay\_jun

2215 **Impacts of terrestrial heat waves on survival of moulting Little Penguins**

Lauren Tworkowski | La Trobe University, Australia | 🐦 @loz\_tk

2230 **Climate adaptation interventions for iconic species**

Claire Mason | University of Tasmania, Australia | 🐦 @clairejmason

#### 2245 **CONFERENCE SUMMARY**

2300 **Close – thank you and goodbye!**