

# **19TH NATIONAL BIODIVERSITY NETWORK CONFERENCE**

"Network, Knowledge and Narrative - Sharing and using data across the NBN and beyond"

**WEDNESDAY 13 & THURSDAY 14 NOVEMBER 2019** 





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## **JOIN IN**



#### @NBNTrust

Follow us on Twitter and get involved throughout the Conference and NBN Awards using

#### #NBNconf19 and #NBNawards19

We would really appreciate your feedback on this year's NBN Conference. Please complete the form online at: tinyurl.com/ y3mqsnjs or scan the QR code to go straight to the survey.



Wi-fi - free public access is available. The network is: **ALBERTHALL** and the password is: conference2019

#### PHOTO CREDITS:

Trevor James, Dave Kilbey, D Crawley, Paula Lightfoot, John Sawyer.

# CHAIRMAN'S WELCOME





Welcome to the National Biodiversity Network's 19th annual conference, which this year has the theme of:

"Network, Knowledge and Narrative – Sharing and using data across the NBN and beyond"

Dear delegate,

Following the very positive feedback we received regarding the location and format of last year's event, we have returned to Nottingham and hope to build on the success of 2018.

We have a wonderful line-up of speakers who, I am sure, will focus our thoughts on the need to share and use biodiversity data, as it becomes ever more important for protecting our wildlife. Thank you in advance to those of you who are speaking or leading one of the Knowledge Exchange Sessions, we all look forward to some thought-provoking presentations and interesting discussions.

I recognise that one of the highlights for many of you, is the opportunity to meet and chat to colleagues and friends from across the Network. Now, with the need for collaboration and joint ambition being perhaps more vital than ever, I hope that some of these formal and informal chats will lead to more opportunities for combined endeavours. As it is my first Conference as Chair of the NBN Trust, I am really looking forward to meeting as many of you as possible over the next two

days, so do let me know if you have any great ideas for working together or burning issues which you want to share.

The NBN Trust Secretariat will be on hand throughout the Conference. Many of the team will be known to you, but we also have some new members of staff for you to meet. This year, we have a "help desk" for queries relating to the NBN Atlas, so please come and see us, if you need any advice or guidance.

In addition to the Conference, we have the prize-giving for the NBN Awards for Wildlife Recording. I am thrilled to be presenting these Awards with the NBN Trust Patron, Sir John Lawton, as it is such a wonderful opportunity to recognise our shortlisted nominees and worthy winners. I hope you will stay with us for the ceremony and join us in raising a glass to them all.

Thank you once again for attending the NBN Conference and for being part of the Network. Here's to an inspiring, stimulating and fun couple of days.

With warm regards,

**Neil Hodges** 

# **CONFERENCE PROGRAMME**

## WEDNESDAY 13 NOVEMBER 2019

09:30	Registration and coffee
	Morning session Chair of morning session: Belinda Howell, NBN Trustee
10:00	Welcome and introduction by NBN Trust Chairman, Neil Hodges
10:05	Keynote Address: Sir John Lawton, NBN Trust Patron, President of Yorkshire Wildlife Trust, Vice-President RSPB "Thoughts from a boy birdwatcher, bug-hunter and botanist"
10:35	Dr. Jo Judge, NBN Trust Chief Executive Officer "The NBN, a year in review"
10:55	Daniel Hayhow, RSPB "State of Nature 2019"
11.15	Q&A
11:20	Tea / coffee break
11:45	Richard Fox, Butterfly Conservation "What do recorders think about open data?"
12:05	Caroline Van Dierkson, NBN Atlas Project Manager "NBN Atlas: recent and planned developments"
12:10	Sophia Ratcliffe, NBN Atlas Data Manager "Measures of data quality to monitor the success of the NBN Atlas as a resource for high-quality wildlife records across the UK"
12:15	Dr. Erika Newton, British Ecological Society "Increasing the preservation and discoverability of management-relevant information: introducing Applied Ecology Resources (AER)"
12:35	Q&A



12:40	Lunch, posters and displays
	Afternoon session: Network Knowledge Exchange Chair of afternoon session: Wilma Harper, NBN Trustee
14:00	Five parallel sessions See page 10 for information
15:15 - 15.45	Tea / coffee break
15:45 - 17:00	Sessions continue
17:00 - 17:10	Move back to the Great Hall
17:10 - 17:15	Chairman's summing up of day 1
17:25 - 17:55	NBN Trust AGM – see below
18:05 - 19:30	NBN Awards for Wildlife Recording - prize-giving - see page 6

## **NBN TRUST AGM**

The AGM will be held from 17:25 - 17:55 and will cover:

- Chairman's Report
- Treasurer's Report
- Chief Executive's Report
- Ordinary Resolutions appointment of accountant and auditor.

As the AGM is taking place as part of the NBN Conference, anyone, including non-members, is able to join this meeting, but only the eligible members are able to cast a vote on relevant items.

# **NBN AWARDS** prize-giving



WEDNESDAY 13 NOVEMBER 2019

18:05	Welcome drinks
18:15	Introduction to the NBN Awards for Wildlife Recording by NBN Trust Chair, Neil Hodges
	The shortlisted nominees will be announced and the following NBN Awards will be presented:
18:20	NBN Young Person's Award
18:30	NBN Newcomer Award
18:40	NBN Award for Wildlife Recording – Marine
18:50	NBN Award for Wildlife Recording – Terrestrial
19:00	NBN Group Award
19:10	John Sawyer NBN Open Data Award
19:30	Event close

There are numerous bars and restaurants in the area for those wanting to eat after the ceremony. If you would like to join the NBN Trust Secretariat at Las Iguanas, we will have a sign up sheet on the reception desk.

#### **Sponsors of the NBN Awards:**



















Notes:	
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# **CONFERENCE PROGRAMME**

## THURSDAY 14 NOVEMBER 2019

09:00	Registration and coffee			
	<b>Morning session</b> Chair of morning session: Dr. Jo Judge, NBN Trust CEO			
09:25	Welcome and introduction by NBN Trust Chairman, Neil Hodges			
09:30	Keynote Address: Dr. Sandy Knapp, Natural History Museum & Botanist and President, Linnean Society of London "Building knowledge and narratives through open networks"			
10:00	Philip Stephens, Durham University "MammalWeb: public participation in monitoring the UK's wild mammals"			
10:20	Dave Raffaelli, The Woodmeadow Trust "How useful are biodiversity data for assessing natural capital?"			
10:40	Thomas Doherty-Bone, independent conservationist "Using the NBN Atlas to plan conservation and research"			
10:45	Q&A			
10:50	Tea / coffee break			
11:15	Dr. Roddy Fairley, Scottish Natural Heritage "Turning data into urgent action"			
11:35	Rachel Tierney, Scottish Wildlife Trust / SBIF "Collaboration, integration and innovation: shaping Scotland's data future"			
11.40	Tim Corner, Bristol Regional Environmental Records Centre "How rubbish am I?"			
12:00	lan Wallace, UK Caddis Recording Scheme Organiser "The best caddis maps possible"			
12:20	Q&A			
12:25	Award of NBN Trust Honorary Membership			



12:30	Lunch, posters and displays			
	Afternoon session Chair of afternoon session: Neil Hodges, NBN Trust Chairman			
13:45	The Sir John Burnett Memorial Lecture 2019 Tony Juniper CBE, Chair of Natural England "Conservation successes, challenges and future directions"			
14:30	Kimberley James, Gilbert White & The Oates Collections "Gilbert White 300"			
14:50	Dr. Philip Wheeler, The Open University "How to map a million trees"			
14:55	Q&A			
15:00	Tea / coffee break			
15:25	Loreena Jaouen, 2Excel geo "Quantification of Birch and Bracken Encroachment on Heathland using Airborne Hyperspectral Imagery and Sentinel-2 Satellite Imagery"			
15:30	Harriet Carty, Caring for God's Acre "The Beautiful Burial Ground"			
15:50	Q&A			
15:55	Chairman's summing up			
16:00	End of conference			

# NETWORK KNOWLEDGE EXCHANGE SESSIONS

### WEDNESDAY 13 NOVEMBER

You will have signed up to one of the Network Knowledge Exchange sessions when registering for the Conference. The five sessions taking place simultaneously are:

1 Whose data are they anyway? (session will run once for the full afternoon)

Session leads: Veerle Van den Eynden, Research Data Services Manager, UK Data Service and Tom Hunt, National Coordinator for the Association of Local Environmental Records Centres (ALERC)

@ALERC NC

2 FAIR Data Principles - improving the reusability of NBN data holdings

(session will run twice at 1¼ hours per session)

Session lead: Sophia Ratcliffe, NBN Atlas Data Manager. Contributor: Rachel Drysdale, ELIXIR @NBNTrust @RachelDrysdale4

3 Providing multi-regional and national commercial services in collaboration with data providers (session will run twice at 1¼ hours per session)

Session leads: Jo Judge, NBN Trust Chief Executive Officer and Mandy Rudd, Chief Executive of Greenspace Information for Greater London (GiGL)

@jo\_judge @igigl @NBNTrust

4 NBN Atlas Spatial Analysis Tool

(session will run twice at 114 hours per session)

*Session leads:* Christine Johnston, NBN Atlas Project Officer and Reuben Roberts, NBN Atlas Systems Developer

@NBNTrust

5 iSpot at 10 years old: What's happened so far and what's next?

(session will run twice at 114 hours per session)

Session leads: Dr. Mike Dodd, iSpot Curator, The Open University and Rachel Redford, eSTEeM Centre and Citizen Science Support Assistant, The Open University.

@iSpotnature

Notes:		



## **SPEAKERS**

## WEDNESDAY 13 NOVEMBER 2019



#### **Sir John Lawton FRS**

ADDRESS

**KEYNOTE** 

NBN Trust Patron, President of Yorkshire Wildlife Trust, Vice-President RSPB

**66** Thoughts from a boy birdwatcher, bug-hunter and botanist



#### Dr. Jo Judge

NBN Trust, Chief Executive Officer

@jo\_judge / @NBNTrust

66 The NBN, a year in review



#### **Daniel Hayhow**

**RSPB Conservation Scientist** 

@DBHayhow / @RSPBScience

66 State of Nature 2019



#### **Richard Fox**

Associate Director Recording and Research, Butterfly Conservation

@RichardFoxBC

66 What do recorders think about open data?



Notes:		



#### **Caroline Van Dierkson**

NBN Atlas Project Manager

- @NBNTrust / @NBNAtlas
- 66 NBN Atlas: recent and planned developments



#### **Sophia Ratcliffe**

NBN Atlas Data Manager

- @NBNTrust / @NBNAtlas
- 66 Measures of data quality to monitor the success of the NBN Atlas as a resource for high-quality wildlife records across the UK



#### Dr. Erika Newton

Managing Editor, British Ecological Society

- @ErikaLNewton
- 66 Increasing the preservation and discoverability of management-relevant information: introducing Applied Ecology Resources (AER)

Notes:			

Notes:		

## **SPEAKERS**

## THURSDAY 14 NOVEMBER 2019



#### **Dr. Sandy Knapp**

Natural History Museum and Botanist and President, Linnean Society of London



**66** Building knowledge and narratives through open networks

**KEYNOTE** 

**ADDRESS** 



#### **Philip Stephens**

Associate Professor (Reader), Department of Biosciences, Durham University



66 MammalWeb: public participation in monitoring the UK's wild mammals



#### **Dave Raffaelli**

The Woodmeadow Trust and Emeritus Professor, University of York

66 How useful are biodiversity data for assessing natural capital?



#### **Thomas Doherty-Bone**

Independent conservationist

@TommyDBone

66 Using the NBN Atlas to plan conservation and research



Notes:	



**Dr. Roddy Fairley** 

Area Manager - Southern Scotland, Scottish Natural Heritage

- @SNHbiodiversity / @NBNTrust
- 66 Turning data into urgent action



**Rachel Tierney** 

SBIF Development Officer, Scottish Wildlife Trust/SBIF

- @SB\_Info\_Forum / #SBIFReview
- **66** Collaboration, integration and innovation: shaping Scotland's data future



**Tim Corner** 

Manager, Bristol Regional Environmental Records Centre (BRERC)

- @BRERC\_Official
- 66 How rubbish am I?



#### **Ian Wallace**

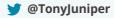
UK Caddis Recording Scheme Organiser (affiliated to the Biological Records Centre and the Freshwater Biological Association)

66 The best caddis maps possible

Notes:		



**Tony Juniper CBE** Chair, Natural England





**66** Conservation successes, challenges and future directions



#### **Kimberley James**

Collections & Marketing Manager,
Gilbert White & The Oates Collections

- @GilbertWhites
- 66 Gilbert White 300



#### **Dr. Philip Wheeler**

Senior Lecturer in Ecology, School of Environment Earth and Ecosystem Sciences, The Open University

- 66 How to map a million trees



#### Loreena Jaouen

Student intern – Geospatial Analyst, 2Excel geo

- ¥ @2excelgeo / @JaouenLoreena
- 66 Quantification of Birch and Bracken Encroachment on Heathland using Airborne Hyperspectral Imagery and Sentinel-2 Satellite Imagery



### **Harriet Carty**

Director, Caring for God's Acre

**y** @godsacre

66 The Beautiful Burial Ground

Notes:	

## **LUNCHTIME DISPLAYS**



#### **Association of Local Environmental Records Centres**

**Tom Hunt** 

www.alerc.org.uk



European Union European Regional Development Fund

#### **BID-REX**

**Mel Gillings and Martin Horlock** 

www.interregeurope.eu/bid-rex



#### **British Ecological Society - Applied Ecology Resources**

Dr. Erika Newton

www.britishecologicalsociety.org/publications/applied-ecology-resources/



#### **British Trust for Ornithology**

Teresa Frost, Matt Baxter and Dave Turvey www.bto.org



#### **The Beautiful Burial Ground Project**

Liam Taylor and Harriet Carty

www.caringforgodsacre.org.uk



#### **FSC Biodiversity Training and Biolinks**

**Sue Townsend** 

www.fscbiodiversity.uk



Citizen science online communities for biodiversity: iSpotnature.org and Treezilla.org

Mike Dodd, Rachel Redford and Phil Wheeler

www.iSpotnature.org / www.treezilla.org



## **Brilliant Butterflies at The Angela Marmont Centre** for UK Biodiversity

#### **Chris Raper and Katy Potts**

www.nhm.ac.uk/discover/news/2019/september/brilliant-butterflies-project-launched-to-restore-rare-grassland.html



#### **NBN Atlas Help Desk**

Christine Johnston, Katie Oliver and Sophia Ratcliffe nbnatlas.org/



#### **National Forum for Biological Recording**

Graham Walley, Elaine Wright (supported by Teresa Frost and Martin Harvey) www.nfbr.org.uk



#### **National Trust Nature Dashboard: Playing our part**

#### **Sharolyn Parnham**

nt.global.ssl.fastly.net/documents/national-trust-playing-our-part.pdf



## SBIF Review: developing a sustainable biodiversity data network for Scotland

#### **Rachel Tierney**

nbn.org.uk/about-us/where-we-are/in-scotland/the-sbif-review/



#### **State of Nature**

#### **Daniel Hayhow and Kate Slater**

www.nbn.org.uk/stateofnature2019



#### **WILDside** project

#### Rosalind Johnston and Ryan Clark

www.northantsbrc.org.uk/Wildside



#### Woodmeadow Trust

#### **Rosalind Forbes Adam**

www.woodmeadowtrust.org.uk



# **DELEGATE LIST**

A downloadable delegate list, including email addresses, can be found on the Conference pages of the NBN website.

Delegate Na	ame	Delegate Organisation
Meg	Abu Hamdan	Woodmeadow Trust
Danielle	Anscombe	Norfolk County Council
Lindsay	Bamforth	Fife Nature Records Centre
Charlotte	Barclay	Natural History Museum
Charlie	Barnes	Greater Lincolnshire Nature Partnership
Matthew	Baxter	British Trust for Ornithology
Charlie	Bell	FSC BioLinks Project
Claudia	Bernardini	Buckinghamshire Environmental Record Centre
Steve	Blain	RSPB
Clare	Blencowe	Sussex Biodiversity Record Centre
Clare	Boyes	MSc BioRec student MMU / FSC
Keiron	Derek Brown	Field Studies Council
Claudia	Caporusso	The Wildlife Information Centre
Niamh	Carmichael	Centre for Environmental Data and Recording (CEDaR)
Harriet	Carty	Caring for God's Acre
Chris	Cheffings	Joint Nature Conservation Committee
Purba	Choudhury	NBN Trust
Donna	Clark	Scottish Qualifications Authority
Joanna	Clark	Thames Valley Environmental Records Centre
Ryan	Clark	Northamptonshire Biodiversity Records Centre
Richard	Comont	Bumblebee Conservation Trust
Tim	Corner	Bristol Regional Environmental Records Centre (BRERC)
Dr. Emma	Coulthard	Manchester Metropolitan University

James	Cranston	University of Exeter
Katie	Cruickshanks	Butterfly Conservation
Holly	Dillon	Field Studies Council
Nicola	Dixon	Norfolk Biodiversity Information Service
Mike	Dodd	The Open University
Thomas	Doherty-Bone	Independent Conservationist
Gill	Dowse	Scottish Wildlife Trust
Dorothy	Driver	Amphibian and Reptile Conservation
Rachel	Drysdale	ELIXIR
Mark	Duffell	Manchester Metropolitan University
Natasha	Ellison	University of Sheffield
Fiona	Everingham	Buckinghamshire & Milton Keynes ERC (BMERC)
Dr. Roddy	Fairley	Scottish Natural Heritage and NBN Trustee
Krisztina	Fekete	Natural England
Emily	Fergusson	BCP Council - serving Bournemouth, Christchurch & Poole
Rosalind	Forbes Adam	Woodmeadow Trust
Eleni	Foui	Greenspace Information for Greater London CIC (GiGL)
Richard	Fox	Butterfly Conservation
Andy	Foy	Greenspace Information for Greater London CIC (GiGL)
Teresa	Frost	British Trust for Ornithology
Will	George	RSPB
Melanie	Gillings	Norfolk County Council
Andrew	Green	Bedfordshire Natural History Society
Wilma	Harper	NBN Trustee
Martin	Harvey	CEH Biological Records Centre
Michael	Hassell	Former NBN Trust Chairman
Daniel	Hayhow	RSPB

Gary	Hedges	National Museums Liverpool
Mandy	Henshall	NBN Trust
Brian	Heppenstall	BCP Council - serving Bournemouth, Christchurch & Poole
David	Hepper	British Dragonfly Society
Neil	Hodges	NBN Trust Chairman
Ruth	Holwell	Wild Animal Biology MSci Graduate
Mike	Hordley	Surrey Biodiversity Information Centre
Martin	Horlock	Norfolk County Council
Karen	Hornigold	Woodland Trust
Belinda	Howell	NBN Trustee
Adrian	Hughes	RSPB
Kelly	Hunt	BCP Council - serving Bournemouth, Christchurch & Poole
Tom	Hunt	ALERC
Sarah	Hyslop	NBN Trust
Angus	Jackson	Seasearch, Marine Conservation Society
Kimberley	James	Gilbert White & The Oates Collections
Loreena	Jaouen	2Excel geo
Rosalind	Johnston	Northamptonshire Biodiversity Records Centre
Christine	Johnston	NBN Trust
Sorrel	Jones	Technical Ecology
Jo	Judge	NBN Trust
Dr. Sandy	Кпарр	Natural History Museum/Linnean Society
Emma	Knowles	Greenspace Information for Greater London CIC (GiGL)
Laura	Kuurne	Greenspace Information for Greater London CIC (GiGL)
Barnaby	Letheren	Natural Resources Wales
Maria	Longley	Greenspace Information for Greater London CIC (GiGL)
Dr. Martin	Luff	Devon Coleoptera Recorder

LoisMayhewSussex Biodiversity Record CentreDamianMcFerranCentre for Environmental Data and Recording (CEDaR)	
Damian         McFerran         Centre for Environmental Data and Recording (CEDaR)	
Deb   Muscat   Cumbria Biodiversity Data Centre	
Samuel Neal Norfolk Biodiversity Information Service	
Dr. ErikaNewtonBritish Ecological Society	
Katie Oliver NBN Trust	
<b>Dr. Katy Owen</b> Environment Service, Norfolk County Council	
Stephen Page NBN Trust	
Alan Parfitt RSPB Volunter	
Sharolyn Parnham National Trust	
Katy Potts Natural History Museum	
Dave Raffaelli Woodmeadow Trust	
Sally Rankin Recorder 6 reseller	
Chris Raper Natural History Museum	
Sophia Ratcliffe NBN Trust	
Rachel Redford The Open University	
Reuben Roberts NBN Trust	
AdamRoweSouth East Wales Biodiversity Records Centre (SEWBRe	eC)
Mandy Rudd NBN Trustee / GiGL	
Minhyuk Seo Greenspace Information for Greater London CIC (GiGL	)
LornaShawEssex Wildlife Trust Biological Records Centre	
RichardSillerScottish Wildlife Trust	
Janet Simkin British Lichen Society	
Chloë   Smith   Greenspace Information for Greater London CIC (GiGL)	)
Liam Smith Norfolk Biodiversity Information Service	
Philip Stephens Durham University	

Giselle	Sterry	NBN Trust
Paul	Stevens	Environmental Records Information Centre
Nicola	Stone	Shropshire Ecological Data Network
Chris	Stones	Connicks
Elizabeth	Sweet	Guernsey Biological Records Centre
Roy	Tapping	Cofnod
Liam	Taylor	Caring for God's Acre
Tom	Thomson	Invertebrate Conservation Trust (Buglife)
Rachel	Tierney	Scottish Wildlife Trust
Pete	Tomlin	Sheffield and Rotherham Wildlife Trust
Benjamin	Town	Greenspace information for Greater London CIC (GiGL)
Sue	Townsend	Field Studies Council
David	Turvey	British Trust for Ornithology
Veerle	Van den Eynden	UK Data Service
Caroline	Van Dierkson	NBN Trust
Kevin	Walker	Botanical Society of Britain and Ireland (BSBI)
lan	Wallace	UK Caddis Recording Scheme
Graham	Walley	National Forum for Biological Recording (NFBR)
Hillery	Warner	Natural History Museum
Arron	Watson	Environment Agency
Claudia	Watts	Greenspace information for Greater London CIC (GiGL)
Andy	Webb	Natural England
Philip	Wheeler	The Open University
Helen	Wilkinson	NBN Trustee & Natural Resources Wales
Dan	Wrench	Shropshire Council
Elaine	Wright	South East Wales Biodiversity Records Centre (SEWBReC)
Rebecca	Wright-Davies	South East Wales Biodiversity Records Centre (SEWBReC)

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# CONFERENCE SPONSORS



Habitat Aid Ltd. promotes and sells British native trees, hedging, aquatic plants, wildflower seed and heritage fruit trees, which it buys from a community of small specialist UK nurseries and growers. It has close links to a number of UK conservation charities, to whom it donates regularly.

#### www.habitataid.co.uk



Manchester Metropolitan University, in partnership with the Field Studies Council, offers an MSc in Biological Recording Ecological Monitoring and PGCert in Biological Recording. This part-time course, focuses on field identification skills, research design, data management and analysis making it a unique programme recognised by both the Biological Recording and Environmental sectors.

#### www.mmu.ac.uk



Located in the beautiful Hampshire countryside, the specialist facilities at University Centre Sparsholt (UCS) enhance learning and provide the best industry standard experience. In 2018, it was recognised with a TEF Gold award for teaching excellence, placing it alongside the UK's top universities. Sparsholt has run specialist Wildlife Ecology and Conservation courses since 1973 and its close working links with major wildlife and conservation organisations provide excellent industry experience and graduate opportunities.

www.sparsholt.ac.uk









We will continue to collaborate to embed our collective data and knowledge creation at the heart of biodiversity learning and environmental decision-making





nbn.org.uk | nbnatlas.org