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Follow us on Twitter and get involved throughout the Conference and Awards using #NBNConf16 and #NBNAwards16



We would really appreciate your feedback on this year's NBN Conference. Please complete the form online at: http://tinyurl.com/jejj4zu or scan the QR code to go straight to the survey.

Free WiFi is available in the Museum. Please connect to NMS Public.

CHAIRMAN'S WELCOME



Michael Hassell

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

Going with the flow: Supporting the NBN Data Flow Pathway

We would like to thank you for attending this event, which is once again taking place over two days. This follows extremely positive feedback after last year's Conference and, as requested, we have moved to a different location, with a view to making the event accessible to more people each year. With an exciting programme of presentations and workshops, we hope that you will find this a very valuable event in which to participate. We also have the ceremony for the UK Awards for biological recording and information sharing, which will see us recognise those on whom we rely so deeply, our network of recorders.

This has been another busy and exciting year for the NBN, with the launch of the NBN Atlas Scotland (and other Atlases in the pipeline), the launch of the NBN Action Plan 2016 -2020 and a new CEO in post.

As we come together to hear more from our Network colleagues at this Conference, we thank you for your ongoing support and hope that the next two days will allow us to celebrate our combined successes.

With warm regards,

Michael Hanell

THURSDAY 17TH NOVEMBER

Morning session: Recording & Collecting

Chairman of morning session: NBN Trust Chief Executive, Jo Judge

9:30	Registration and coffee
10:00	Welcome and Introduction by NBN Trust Chairman, Professor Michael Hassell
10:05	Keynote address
	Sheena Harvey, BBC Wildlife Magazine, "Reaching new recruits"
10:35	Professor Helen Roy, BRC / CEH – "Challenges and opportunities for recording well-loved species"
10:55	Ro Scott, Highland Biological Recording Group — "Filling the Void - generating records from a sparsely-populated area"
11:15	Coffee / Tea break
11:45	Harriet Carty, Caring for God's Acre - "The Beautiful Burial Ground"
12:05	Megan Shersby, A Focus on Nature – "Young people, nature and biological recording"
	Speed Talks
12:25	Wil J Heeney, National Longhorn Beetle Recording Scheme - "The National Longhorn Beetle Recording Scheme, going forward"
12:30	Krisztina Fekete, ID Trainer for the Future – "Mind The Gap! - Challenging taxa in focus"
12:35 - 12:45	Q&A
12:45	Lunch, posters, displays and demonstrations

Afternoon session: Putting the data flow pathway into practice

Chairman of afternoon session: Helen Wilkinson, Natural Resources Wales

14:00	Discussion workshops - Introduction to workshops			
	1. Quality control & verification			
	2. Captivating & engaging people			
	3. Improving biological data flows			
	4. Increasing use of our data			
	5. Biological recording online			
14:15 - 15:15	Workshops			
15:15 - 15:45	Coffee / Tea break			
15:45 - 16:30	Feedback from workshops			
16:30 - 17:00	Panel discussion			
17:00 - 17:05	Chairman's summing up of day 1			
	End of conference day 1			
18:00	UK Awards for Biological Recording & Information Sharing			

FRIDAY 18TH NOVEMBER

Morning session: Quality Assuring

Chairman of morning session: Nick Fraser, National Museums Scotland

9:00	Registration and coffee
9:25	Welcome and Introduction by NBN Trust Chairman, Professor Michael Hassell
9:30	Keynote address Professor Andy Purvis, Natural History Museum – "Global biodiversity indicators from heterogeneous repurposed data: the PREDICTS project"
10:00	Craig Macadam, Buglife / Riverfly Recording Schemes - "Verification: the key to quality"
10:20	Deborah Muscat, Cumbria Biodiversity Data Centre – "Carrying on their work"
	Speed talks
10:40 10:45	Joseph Beale, ID Trainer for the Future – "Why does identifying species correctly matter?" Andrew Whitehouse, Buglife – "Putting bugs on the map"
10:50	Coffee / Tea break
11:20	Ashleigh Whiffin, National Museums Scotland – "Establishing a new beetle recording scheme: Silphidae UK"
11:30	Martin Harvey, BRC – "Sitting in judgment? Verification from a local and national perspective"
11:40	Esther Hughes, Marine Biological Association - "Squaring the data-flow circle: One vision from disparate data"
11:50	Andrew Wood, NBN Treasurer – "Building the base"
12:00	Rachel Stroud, NBN Secretariat – "A time to reflect"
12:20	Q&A
12:30	Lunch

Afternoon session: Using Data – The technical side of the pathway

Chairman of afternoon session: NBN Trust Chairman, Professor Michael Hassell

13:45	Award of NBN Honorary Membership
13:50	The Sir John Burnett Memorial Lecture, 2016 – Professor Charles Godfray CBE FRS "Systematics, biodiversity and ecology in the internet era"
14:20	Steve Wilkinson, Joint Nature Conservation Committee – "History of the NBN Gateway"
14:40	Jo Judge, NBN CEO – "NBN from the Gateway to the NBN Atlas"
15:00	Coffee / Tea break
15:30	Student speed talk Simon Gibson-Poole, Scotland's Rural College – "Using a drone to identify a giant herb"
15:35	Student speed talk Zac Baynham-Herd, University of Edinburgh – "Biodiversity on the blockchain?"
15:40	Dr Jon Chamberlain, University of Essex - "Using social media to study wildlife"
16:00	Gill Dowse, Scottish Wildlife Trust - "Navigating the NBN Atlas Scotland"
16:20	Q&A
16:30	Chairman's summing up
16:35	End of conference

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UK AWARDS TO CELEBRATE BIOLOGICAL RECORDING AND INFORMATION SHARING

Thursday 17th November 2016

National Museums Scotland, Edinburgh

18:00	Welcome drinks
18:30	Introduction to the Awards by NBN Chairman, Professor Michael Hassell
18:35	NBN Patron, Earl Selborne will announce and present the following Awards:
	Gilbert White Youth Award (terrestrial and freshwater)
	Gilbert White Adult Award (terrestrial and freshwater)
	David Robertson Youth Award (marine and coastal)
	David Robertson Adult Award (marine and coastal)
18:55	NBN Chairman, Professor Michael Hassell and Lynne Farrell will announce and present the following Award:
	Lynne Farrell Group Award
19:00	NBN Chairman, Professor Michael Hassell will announce and present the following Award:
	John Sawyer NBN Open Data Award
19:15	Event close

Marine and group prizes sponsored by:

Event and terrestrial prizes sponsored by:







SEE THE UNSEEN WWW.SWAROVSKIOPTIK.COM

SPONSORS

Conference lunch



Habitat Aid Ltd. promotes and sells British native trees, hedging, aquatic plants, wildflower seed and heritage fruit trees, which we buy from a community of small specialist UK nurseries and growers. We think local provenance and distinctiveness isn't just important for biodiversity, but also culturally.

We have close links to a number of UK conservation charities, to whom we donate half of profits from online sales. Many of these are also clients, including Buglife, the Bumblebee Conservation Trust, British Beekeepers' Association and Butterfly Conservation.

Habitat Aid also works with corporate clients and landscape and ecology professionals. These include the Co-op, Hillier's Nurseries, Nestle, M&S, Noble Foods and Good Energy. We also supply a number of government organisations and NGOs, including Friends of the Earth and various Wildlife Trusts.

www.habitataid.co.uk

Displays and demonstrations



National Museums Scotland cares for a wide range of collections of national and international importance, presenting and interpreting them for a broad audience. The Natural Sciences collections range from fossils, rocks and minerals to insects, vertebrates and marine life. They are global in content with over 10 million specimens; all originating from efforts to better understand the Natural World.

http://www.nms.ac.uk and http://www.nms.ac.uk/collections-research/collections-departments/natural-sciences/

Students



SSE is a UK-listed energy company focused on the energy markets in the UK and Ireland, which is involved in the generation, transmission, distribution and supply of electricity; in the production, storage, distribution and supply of gas; and in other energy related services. Its core purpose is to provide the energy people need in a reliable and sustainable way.

SSE's business interacts with the environment in many ways and it has a responsibility to effectively manage its environmental impact. To do this, SSE builds genuine partnerships with communities, employees, statutory organisations and others who are interested in protecting and enhancing biodiversity; assesses impacts on key biodiversity issues; and makes decisions which take account of these impacts.

http://sse.com/beingresponsible/



Nottingham Trent University (NTU) is ranked amongst the UK's greenest universities in the Green League for our environmental commitment. We have 27,000 students (HESA 2015/16) and have invested £350 million since 2003 across our three campuses to create an inspiring learning environment. The Brackenhurst Campus, which includes NTU's own 200ha working farm estate, is being developed to house a growing number of students and offers an array of undergraduate and postgraduate courses in ecology, conservation and environmental sciences.

https://www4.ntu.ac.uk/ares/index.html

WHY SPONSOR

- Opportunity to showcase your organisation as a supporter of biological recording and of conserving the UK's wildlife and habitats.
- ✓ Demonstrates your support of the UK's largest partnership for nature
- ✓ Demonstrates your support of the biological recording network for the UK's largest database of species records
- ✓ Networking opportunities with government agencies, NGOs and conservation charities
- ✓ Membership benefits (depending on level of sponsorship)
- ✓ One year free NBN Supporter Membership for all sponsorships of £500 or more
- Company mentioned in social media promotions (depending on level of sponsorship) and other promotional opportunities
- ✓ Access to 180 200 conference delegates from the conservation and biodiversity sector plus many thousands more through social media and via our website.

SPONSOR THE 2017 NBN CONFERENCE

If you are interested in sponsoring next year's Conference or wish to donate to the NBN, please contact us for more information at support@nbn.org.uk

DATA FLOW PATHWAY

Record & Collect

- Capture
- Ente
- Digitise
- Transcribe
- Translato

Quality Assure

- Check
- Verify
- Validate
- Clean

Curate

- Describe
- Standards
- Metadata
- Archive

Aggregate

- NBN Gateway
- Collate
- Web services
- Online maps
- LERC data centres

Analyse

- Model
- Smooth
- Integrate
- OverlayAtlas maps

Use

- State of Environment
- Monitoring
- Policy and planning
- Research
- Natural Capital
- Offsetting

KEYNOTE SPEAKERS



Sheena Harvey, BBC Wildlife magazine - Editor

Sheena is an experienced consumer magazine editor of six national titles and five associated websites. Her love of nature began in childhood, but her professional involvement in the world of wildlife started with the editorship of Bird Watching magazine. She also edited Wild Travel and now edits BBC Wildlife.



Professor Andy Purvis, Natural History Museum, London - Individual Merit Researcher

Andy has been at the Natural History Museum for three years, and was previously a faculty member at Imperial College London. He leads PREDICTS (www.predicts.org.uk), which models globally how local terrestrial biodiversity responds to land use and related pressures, and is a Coordinating Lead Author in the first IPBES Global Assessment.





Charles Godfray CBE FRS, Oxford University - Hope Professor

Charles Godfray is a population biologist with broad interests in science and the interplay of science and policy. His research involves experimental and theoretical studies in population and community ecology, epidemiology and evolutionary biology. The two main projects in his laboratory involve the interactions between aphids and their food plants, natural enemies and symbionts, and the control of malaria vectoring mosquitoes using novel genetic interventions. He is particularly interested in food security and chaired the Lead Expert Group of the UK Government Office of Science's Foresight project on the Future of Food and Farming and is currently chair of Defra's Science Advisory Council. He is a naturalist, specialising in leafmining Diptera and their parasitoids.

SPEAKERS

THURSDAY 17TH NOVEMBER



Sheena Harvey, BBC Wildlife magazine - Editor

"Reaching new recruits"

notes

The lifeblood of any organisation is the continued engagement of a fresh generation - be it a magazine appealing to new readers, or a wildlife organisation recruiting new data collectors. But how do you convey to the uninitiated that what might appear daunting is actually within their reach?

Professor He	elen Roy, Biological Records Centre (part of Centre for
	ydrology) - Principal Scientist (ecology)
"Challenges and	opportunities for recording well-loved species"
UK Ladybird Surv	ladybirds is evident from the tens of thousands of records received by the ey every year. The recording community is diverse and consists of thousands ges with varying levels of expertise and involvement. Here I will describe the I challenges (and enjoyment) of coordinating recording of the Coccinellidae.
Presentation co-a	authored by Peter Brown
notes	



Ro Scott, Highland Biological Recording Group - Chair

"Filling the Void - generating records from a sparsely-populated area"

HBRG's recording area covers one third of Scotland, but has the lowest human population density of any Local Authority. In the earliest national Atlases, Highland often appeared blank, even for common species. I will describe how, since its founding in 1986, HBRG has promoted recording, aiming to remedy this deficit.

notes
Harriet Carty, Caring for God's Acre - National Project Manager
"The Beautiful Burial Ground"
There are over 20 000 burial sites in the LIK ranging in size from a quarter of an acre to 145 acres.



notes

Under-recorded yet accessible and located at the heart of communities; they are ideal sites to introduce new audiences to the wonderful world of recording.



Megan Shersby, A Focus On Nature - Online & Social Media Manager

"Young people, nature and biological recording"

The apparent lack of young people becoming interested in nature has been a worry for many. However, the formation and growth of A Focus On Nature, the UK youth nature network has proved that there are actually numerous young naturalists and conservationists. Megan will be speaking about AFON, its aims, and how it is helping to promote biological recording.

notes			



Wil J. Heeney, The National Longhorn Beetle Recording Scheme - Student

"The National Longhorn Beetle Recording Scheme, going forward"

Katy Potts and Wil Heeney took on the longhorn beetle recording scheme at the start of the year. Since becoming the organisers, they have changed the name, created a logo, had more of a presence on social media and began verifying records through iRecord.

notes	



Krisztina Fekete, Natural History Museum - Trainee on the Identification Trainers for the Future project

"Mind The Gap! - Challenging taxa in focus"

This presentation first will briefly introduce the ID Traineeship programme and its phases. It will then highlight the key features of the Traineeship programme that have enabled the trainees to develop into more accurate/accomplished biological recorders. It will also reveal the biggest inspirations to the trainees to carry out recording and collecting throughout the different Phases of the Traineeship. The talk will finish with an example of a recording scheme specific to the speaker.

notes			



WORKSHOPS

Delegates will have signed up to a workshop when registering. The five workshops are as follows:

1. Quality control and verification - lead Tom Hunt, ALERC

Workshop aim:

To review current status and establish achievable actions for the short, medium and long term.

2. Captivating & engaging people - lead Graham Walley, NFBR

Workshop aim:

To come up with priorities to increase engagement with biological recording through better Network collaboration and communication and promote that unified Network to the world.

It will assess what the unified Network needs to have to attract new members and to promote the need for biological recorders to the general population.

3. Improving biological data flows - lead Dan Lear, Marine Biological Association

Workshop aim:

To develop an assessment criteria to analyse the current data flows within the Network, to identify where the current blockages are occurring and which stages of the data flow pathway are working efficiently.

4. Increasing use of our data - lead Andy Webb, Natural England

Workshop aim:

To undertake an assessment of the current uses of data that are accessed via the NBN Gateway, and highlight gaps where data could be made more readily available and increase its use.

5. Biological recording online - lead Martin Harvey, Biological Records Centre

Workshop aim:

To capture people's experience of what currently works well and what doesn't, and to identify positive steps that would benefit the future development of online recording.



SPEAKERS

FRIDAY 18TH NOVEMBER



Professor Andy Purvis, Natural History Museum, London -**Individual Merit Researcher**

"Global biodiversity indicators from heterogeneous re-purposed data: the PREDICTS project"

How can we project how biodiversity will change under future scenarios? PREDICTS' approach has been to collate, curate and analyse a heterogeneous global database from surveys of biodiversity at multiple sites facing different land-use pressures. I outline how we have tried to optimise the quality-quantity trade-off and present key results.

notes			



Craig Macadam, Buglife / Riverfly Recording Schemes -**Conservation Director**

"Verification: the key to quality"

With an increasing flow of records it can be difficult for small recording schemes to keep on top of verification. This talk will explore the trials and tribulations of record verification and explore some of the ways that the Riverfly Recording Schemes are planning to tackle them.

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Deb Muscat, Cumbria Biodiversity Data Centre - Centre Manager

"Carrying on their good work"

Cumbria Biodiversity Data Centre continues the work of Victorian enthusiasts at Tullie House Museum. One hundred years of recording in Cumbria provides a considerable timeline of data. Derek Ratcliffe found the information invaluable, but ensuring thousands of record cards and 200,000 specimens continue to inform our understanding of natural history is a challenge in today's computer based world.

notes
Joseph Beale, Natural History Museum - Trainee on the Identification
Trainers for the Future project



notes

"Why does identifying species correctly matter?"

We are increasingly told how species identification skills are declining (according to House Of Lords Select Committee it has even reached "a point of crisis" for some groups in particular). Why should this matter, and why should it matter if I can point to a beetle, for example, and call it a shiny bluish black beetle, and be perfectly happy?

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Andrew Whitehouse, Buglife - Conservation Projects Manager

"Putting Bugs on the Map"

Putting Bugs on the Map is an ambitious new project to identify and map the UK's most Important Invertebrate Areas, then inspire, inform, and deliver real change on the ground for our most rare and threatened invertebrates.

notes
Ashleigh Whiffin, National Museums Scotland - Assistant Curator (Entomology)
"Establishing a new beetle recording scheme: Silphidae UK"
Ashleigh is currently involved in setting up a national recording scheme for the Silphid beetles (more commonly known as the Burying beetles or Sexton beetles). So what has this entailed? How does the verification process work? Where does the data go? What are the future plans for the



scheme?

notes			



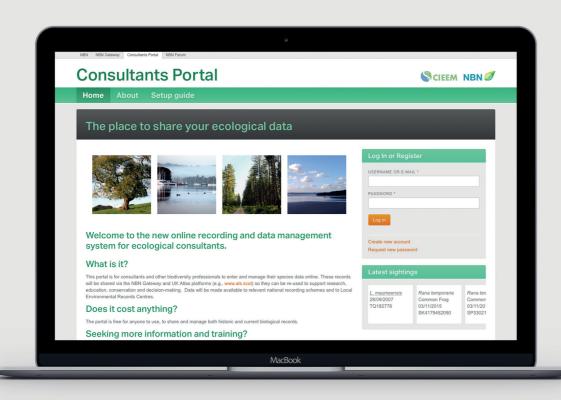
Martin Harvey, Biological Records Centre/ Soldierflies and Allies Recording Scheme - Entomologist and biological recorder

"Sitting in judgement? Verification from a local and national perspective"

In a world where the quantity of biological records is increasing, verification plays a critical role in maintaining quality and helping recorders develop their skills. Online technologies have the potential to support verification and share tasks more widely – this talk reports on successes and challenges arising from the speaker's experience with two recording schemes.

notes			





THE CONSULTANTS PORTAL

Simplifying online data management and sharing

- Are you a consultant or ecologist looking for a simple data entry system?
- Do you want to manage and share biological records online?
- Do you want to analyse and access your data easily?

Sharing ecological survey data is not always straightforward, but a new site has been developed to make it easier for consultants and other biodiversity professionals to enter, manage and share their species data online.

The Consultants Portal is free for anyone to use to manage and share their historic and current biological records.

The Consultants Portal allows records to be validated and verified, and be automatically shared via the NBN Gateway, and in the future by the NBN Atlas. Sharing these records means that they can be re-used to support research, education, conservation and decision-making.

Best of all, no extra work is needed from you to share your data with your Local Environmental Record Centre and other partners.



www.consultantsportal.uk











Esther Hughes, Marine Biological Association - Data Manager

Squaring the data-flow circle: One vision from disparate data"

This short presentation will talk about the flow of marine biodiversity data in DASSH to the NBN and beyond. We will look at the importance of quality assurance, the challenges of collating disparate data, informing data providers, and trying to produce a cohesive, comprehensive view of marine biological data from a patchwork of sources.

notes
Andrew Wood - NBN Treasurer
"Building the base"
The evolution of the NBN Trust membership scheme over the last fifteen years means it is now very complex, difficult for existing members to understand and difficult for potential new member to know why they should join and how they can contribute. The Network would benefit from a simpler membership scheme that clearly shows the benefits of being a member and helps with the growth of the NBN. This talk will highlight the current membership review.
notes



Rachel Stroud, NBN Secretariat - Data & Liaison Officer

"A time to reflect"

Great things are done by a series of small things brought together. Here we reflect on another year working towards achieving our vision and expose a day in the life of the NBN Secretariat. What has the Network achieved and where can we be innovating harder to surpass historical barriers?

notes		

SIR JOHN BURNETT MEMORIAL LECTURE



Charles Godfray, Oxford University - Hope Professor

"Systematics, biodiversity and ecology in the internet era"

The talk will explore the new opportunities that exist in the era of universal internet and other technological advances to link professional and volunteer biologists to help us understand the generation and dynamics of biodiversity and to provide a firmer evidence base upon which stewardship decisions can be made. It will ask whether our established institutions are best-designed to achieve this and if not what needs to change.

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Steve Wilkinson, Joint Nature Conservation Committee - Head of Data Access

"History of the NBN Gateway"

A look back at the NBN Gateway over the 15 years of its operation. From one test dataset to over 129 million records, the growth in accessibility and use of data via the NBN Gateway in the UK has been quite remarkable. Join us for a review and celebration of the data sharing site.

notes		



notes

Jo Judge, National Biodiversity Network - Chief Executive Officer

"NBN from the Gateway to the NBN Atlas"

The NBN has been at the forefront of mobilising biological data via the NBN Gateway since 2000. A technical review carried out in 2014 highlighted that the Gateway was no longer fit for purpose. Here we showcase the new infrastructure, the NBN Atlas, and detail its progress to date.



Simon Gibson-Poole, Scotland's Rural College – PhD Student

"Using a drone to identify a giant herb"

Unmanned aerial vehicles (drones) are very useful tools for researchers to gather high resolution aerial imagery, potentially extending their survey range and enabling classification of the vegetation within the surveyed area. An example of the method and processes required to classify Giant Hogweed (Heracleum mantegazzianum) from a scene is shown.

notes				



Zac Baynham-Herd, University of Edinburgh - PhD Candidate, School of GeoSciences

"Biodiversity on the blockchain?"

Advances in digital technology may provide possibilities to improve collaborative biodiversity monitoring. Grounded in cryptography, blockchain technology provides an efficient, decentralised and trustworthy method for storing and sharing data between multiple parties. This talk introduces blockchains and considers whether the technology could be applied to improve future UK biodiversity monitoring.



Dr Jon Chamberlain, University of Essex - Senior Research Officer

"Using social media to study wildlife"

Social media has become ubiquitous for sharing images of wildlife, becoming a vast repository of tagged and geolocated observations submitted by bird watchers, SCUBA divers, beach cleaners, citizen scientists, etc. This talk introduces the opportunities and challenges this type of data presents, in particular to the NBN data flow pathway.

notes		



Gill Dowse, Scottish Wildlife Trust - Knowledge and Evidence Manager

"Navigating the NBN Atlas Scotland"

notes

The NBN Atlas Scotland offers a real opportunity to inspire and engage new and existing audiences. At the Scottish Wildlife Trust, we hope to harness the power of the Atlas by integrating the tools into our website: making the Atlas work for us and streamlining our workflows in the process.

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LUNCHTIME DISPLAYS & DEMONSTRATIONS



ALERC - Tom Hunt, Martin Horlock

The Association of Local Environmental Records Centres (ALERC) represents 44 LERCs across GB. Visit our stand to find out more about how accreditation builds confidence that LERCs are operating in the best ways possible, or drop in just to chat about anything wildlife related.

www.alerc.org.uk





BID-REX - Sam Neal

BID- REX aims to enhance biodiversity through improved development policies by reinforcing the link between relevant data and conservation decision-making processes. More specifically, it aims to increase the impact of funds allocated to natural heritage protection by providing decision-making processes with appropriate biodiversity information.

http://www.interregeurope.eu/bid-rex/



Climate opportunists: a threat to UK biodiversity and ecosystems? – Jamie Cranston

This PhD aims to compare the impact of natural colonists and human-introduced non-natives as well as evaluating whether existing colonists should receive conservation attention. The project aims to improve holistic monitoring of non-native species regardless of origin. More broadly it hopes to develop decision-making frameworks for responding to natural colonists.

http://biosciences.exeter.ac.uk/staff/postgradresearch/index.php?web_id=Jamie_Cranston



Dumfries & Galloway Environmental Resources Centre (DGERC) – Mark Pollitt, Aisling Gribbin

DGERC is the local environmental records centre covering Dumfries & Galloway. DGERC collates, manages and shares information about the region's wildlife and provides support to a network of local wildlife recorders. Through our new Where's Wildlife in Ayrshire? project, DGERC is expanding to cover Ayrshire over the next two years.

www.dgerc.org.uk



Earthworm Watch – Anthony Roach

Earthworm Watch is a citizen science project launched in April 2016 in partnership with Earthwatch Institute and The Natural History Museum, in association with the Earthworm Society of Britain. The project aims to train a network of citizen scientists to monitor earthworm diversity and the carbon stock of urban soils. This will enable scientists to improve their knowledge of how humans affect earthworms and how this influences soil health.

http://www.earthwormwatch.org/



ERCCIS (The Environmental Records Centre for Cornwall and the Isles of Scilly) – Martin Goodall

The poster demonstrates the projects that ERCCIS is currently undertaking in Cornwall and the Isles of Scilly.

www.erccis.org.uk



Essex Wildlife Trust River Wardens - Lorna Shaw

The EWT River Warden Scheme was established in 2014. Volunteers have a key role in monitoring a stretch of their local river, and the scheme is now used as an exemplar for other areas. Records from the project feed into both the EWT Biological Records Centre and national recording schemes

www.essexrivershub.org.uk and www.essexwtrecords.org.uk



Highland Biological Recording Group – Ro Scott, Stephen Moran, Ian Evans

HBRG was formed in 1986 to promote biological recording in the Highland area. We have so far uploaded more than 200,000 records to the NBN Gateway. Our display will illustrate some of our activities, including surveys, field trips to under-recorded areas, and publications.

www.hbrg.org.uk



Inner Forth Landscape Initiative – Kate Fuller

The IFLI programme runs from 2014-18, supported by the National Lottery through the Heritage Lottery Fund. Our vision is of an Inner Forth landscape where local people and visitors alike value, protect and celebrate this unique landscape at the heart of Scotland. Visit our display to discover how eight core partners with other organisations are working to deliver fifty inspiring and intrinsically-linked natural, built and cultural heritage projects.

www.innerforthlandscape.co.uk



iSpot – your place to share nature, The Open University – Janice Ansine, Dr. Mike Dodd

www.iSpotnature.org was launched by The Open University in 2009 and since then has become an important part of biological recording in the UK and globally with over 660,000 species observations posted so far. Work is underway rebuilding the platform to keep iSpot at the forefront of innovation in online educational technology; making it sustainable for growth, future opportunities and collaborations. As an important part of our community we value your input: visit us at the NBN Conference 2016 to hear more and take a peek behind the scenes!

www.iSpotnature.org



National Silphidae Recording Scheme – Ashleigh Whiffin and Matthew Esh

Scheme organisers Ashleigh and Matthew will be providing information on the recording scheme, discussing identification and verification and displaying a reference collection of Silphids.

@SilphidaeUk



National Trust's Golden Cap Estate - John Newbould

Lying along the Jurassic Coast, east from Lyme Regis to Eype, the Golden Cap Estate includes soft cliffs, unimproved grassland, heath, woodland and beaches. The broad ecological diversity is recognised, based on incomplete records when compared to its potential importance. The National Trust is undertaking an extensive survey of the estate.

https://www.nationaltrust.org.uk/golden-cap



Natural History Museum, London

Come and learn how the Angela Marmont Centre for UK Biodiversity is encouraging and supporting UK naturalists: from the UK Species Inventory to Identification Trainers for the Future and our citizen science programme.

http://www.nhm.ac.uk/take-part



Scottish Natural Heritage - Colin McLeod

Scottish Natural Heritage is funded by the Scottish Government. Our purpose is to: promote, care for, and improve our natural heritage, help people enjoy nature responsibly, enable greater understanding and awareness of nature and promote the sustainable use of Scotland's natural heritage. All of our work supports our mission: All of nature for all of Scotland.

www.snh.gov.uk



Scottish Wildlife Trust – Ian Mackenzie, Gill Dowse & Mahboobeh Shirkhorshidi

The Scottish Wildlife Trust and its partners are delivering practical landscape scale conservation projects across Scotland. Spatial data is key to the development, delivery and monitoring of these projects. Join us to explore some of the approaches we have taken in our Coigach and Assynt, Cumbernauld, Edinburgh Living Landscapes.

http://scottishwildlifetrust.org.uk/what-we-do/living-landscapes/



Training Courses in Biodiversity – Sue Townsend

Field Studies Council (FSC) is a leading provider of taxonomic and environmental training. We offer accredited courses with Manchester Metropolitan University (MMU), subsidised training opportunities through projects, e.g. Tomorrow's Biodiversity and BioLinks. As a charity we are partners with many recording societies and organisations and produce our own identification publications.

http://www.field-studies-council.org/biodiversity/



TWIC (The Wildlife Information Centre) – Graeme Wilson, Natalie Harmsworth and Jackie Stewart

2016 marks 25 years since the records centre that has grown to become TWIC was established. Now the Local Environmental Records Centre for south east and central Scotland, TWIC will display news of our new and ongoing public surveys, updates on our data holdings and details of our autumn conference.

www.wildlifeinformation.co.uk



The Woodland Trust - Sian Atkinson

This poster outlines various citizen science initiatives the Woodland Trust either leads or is a partner in, including Nature's Calendar (recording of phenology data); Ancient Tree Inventory (living map of ancient tress) and Observatree (an early warning system on tree health).

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