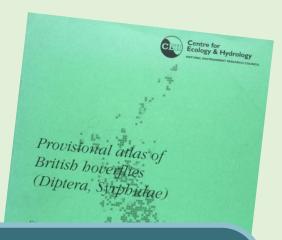


### **Year 2000**

NBN's founding organisations: JNCC, English Nature, NHM, NERC/CEH/BRC, RSPB, Wildlife Trusts, NFBR

CEH/BRC and JNCC published the Provisional atlas of British hoverflies (Stuart Ball and Roger Morris)



The Hoverfly Recording
Scheme is 50 next year,
and a new atlas is planned
– please send in your
records!



### **Paul Harding**

Paul Harding has been a key figure in the development of BRC's wider partnerships with the biological recording community. As head of BRC between 1982 and 2003, he was at the forefront of development of the National Forum for Biological Recording in 1987 and the NBN partnership in 1997, and continues



partnership in 1997, and continues to be actively involved with both organisations. His contribution was given national recognition in 2001 when he was appointed MBE.

Gilkicker Weevil

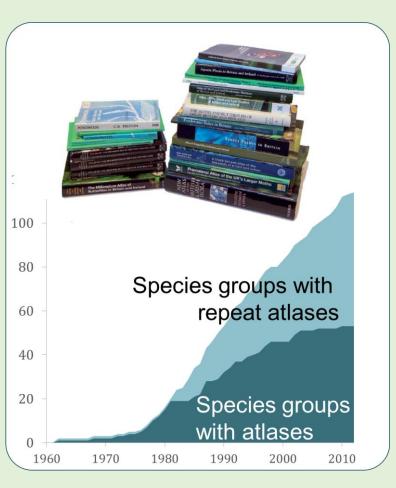
Pachytychius haematocephalus

© Pierre Bornand CC BY NC

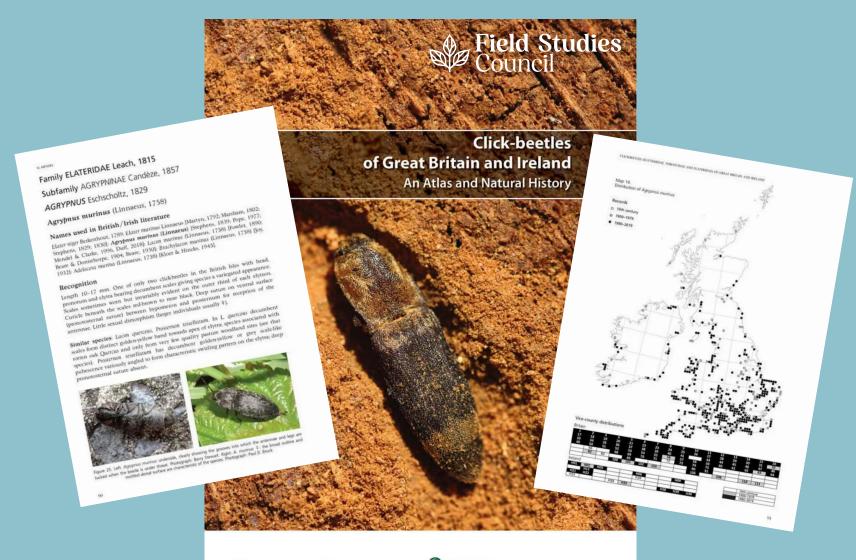




### Atlas publication







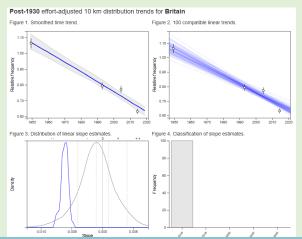






### Atlas publication

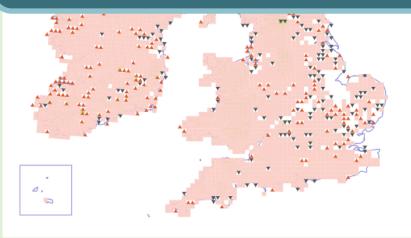




Devil's-bit Scabious
Succisa pratensis
© Malcolm Storey,
www.bioimages.org.uk



### Fundamental knowledge – every record counts!



Trends

Post-1930 effort-adjusted 10 km trends

Britain:

Ireland:

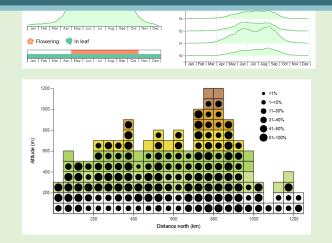
Post-1987 effort-adjusted 10 km trends

Britain:

Ireland:

A widespread decline in lowland areas of England took place in the second half of the 20<sup>th</sup> century, with losses and the

subsequent fragmentation of populations





## BRC and national recording schemes

 From the start, BRC has worked with and supported a wide range of national recording and monitoring schemes and societies

 All have an enormous amount of input from volunteers, and many are run entirely by volunteers



Since 1964: 100 taxonomic schemes & societies

**Since 2012:** 21M records, 23,900 spp., 218,000 people



























# National recording schemes

- Provide a source of expert taxonomic knowledge
- Collate and check records from many people and places
- Provide feedback to recorders, plus mentoring and training
- Publish atlases and identification guides
- Enthuse everyone about their species group!
- Carry out and contribute to conservation and research

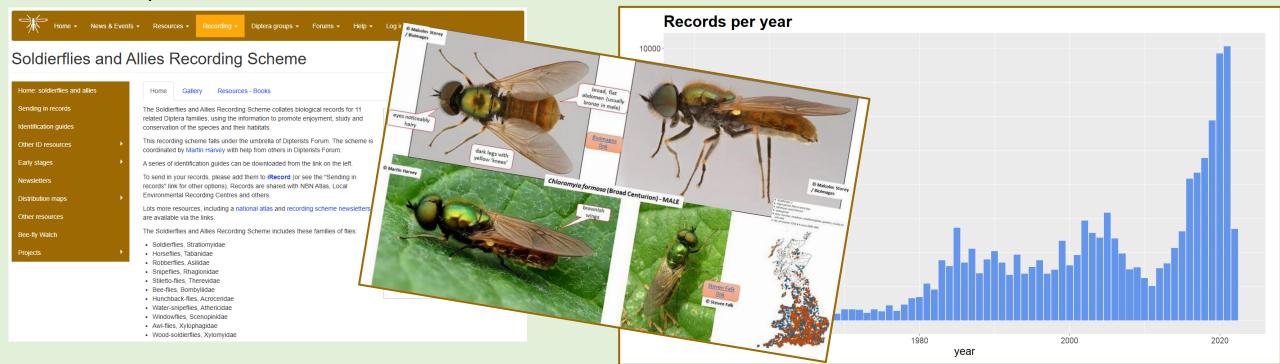


















iRecord Butterflies



Record -

Explore -

Summarise -

Activities

Verify -

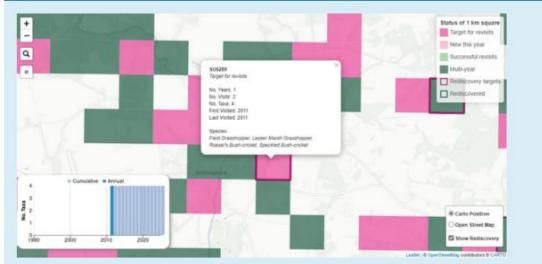
Forum

Help -

### Home

### Targeting Revisits: new features added

The Targeting Revisits Maps are intended to help wildlife recorders make the most of their time out recording insects, by guiding people to where records are most needed to help assess changes in distribution. Maps are currently available for grasshoppers/bush-crickets, craneflies, soldierflies, ground beetles and ladybirds. NEW for this year: an option to view 'Targets for Rediscovery'. These are the squares that have 4+ species recorded but haven't had records for 10+ years. Are those species still present? Will new species be found? Add your records to iRecord and the Targeting Revisits Maps will be updated each day.



Example of a "Rediscovery target" square for grasshoppers, with four species recorded but no records since 2011.

**Q** 34,705,581 records

+

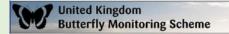
re / Ireland

Cork

34,140 species

**13,677,3** photos







UKBMS Home Reporting Mapping Forum

Login Register

### Home

Welcome to the UKBMS Transect Walker online.

This online system will become the primary route for submitting UKBMS data, although we will continue to support data submission via existing routes (e.g. via Transect Walker). The system can help to speed up data capture each year, as recorders will be entering their data directly onto a central database, and they will also be able to submit data on a weekly basis. The site enables progress with recording to be tracked through the season. Data can also be reviewed by transect coordinators.

The map on the right summarises recent recording activity (red symbols for sites recorded this year, blue symbols indicate sites recorded in previous years) and the website includes more detailed reports of recent activity. Please note that this website does not currently include historic UKBMS data.



# National Plant Monitoring Scheme



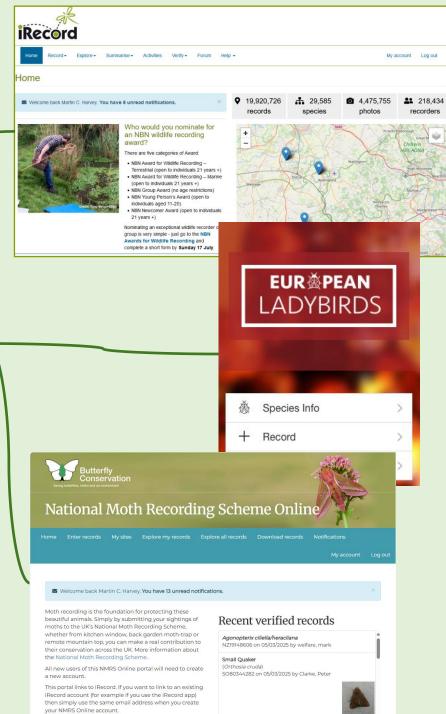




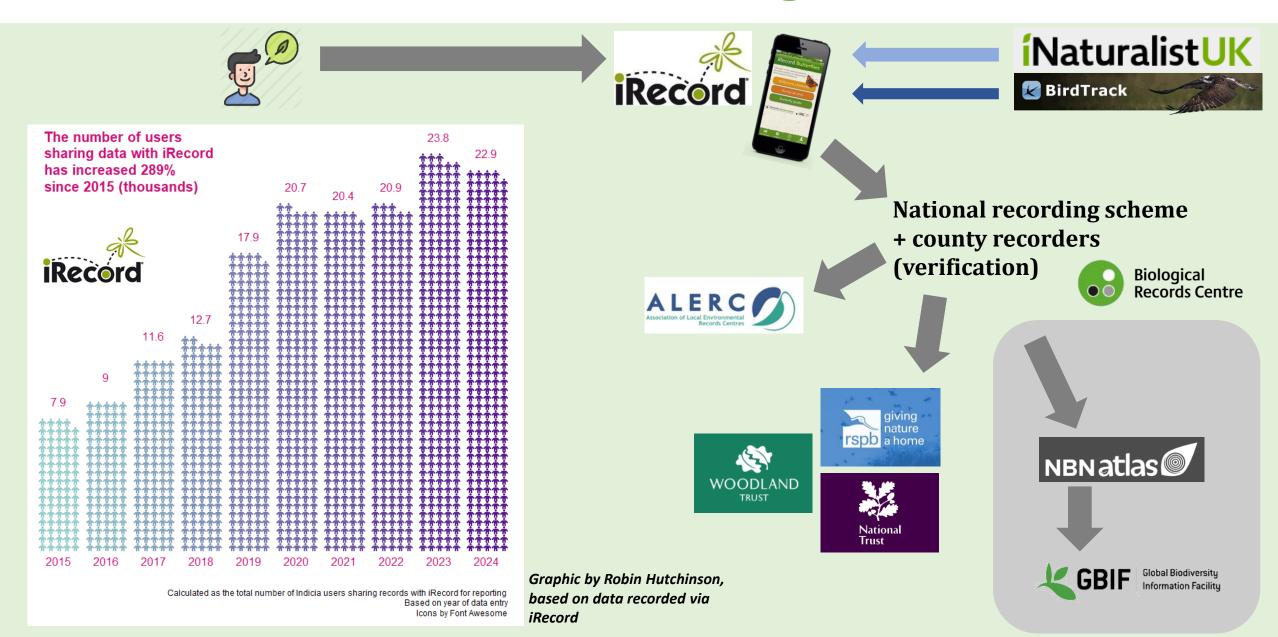


· Indicia project website

· Indicia on GitHub



## From field observation to global data



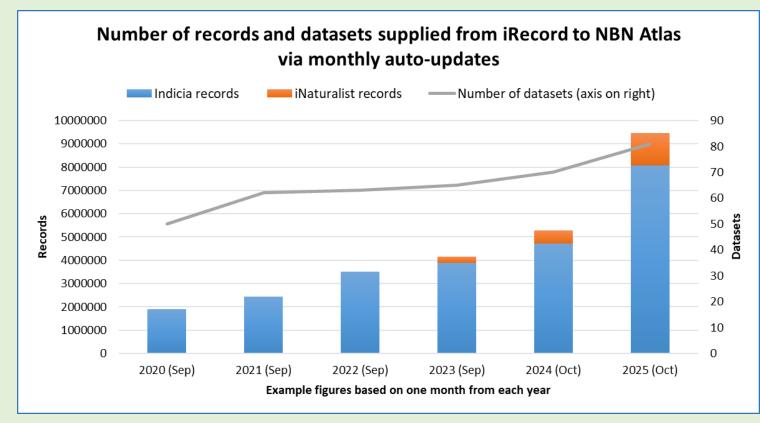
### **Sharing data via NBN Atlas**



Data is uploaded directly from iRecord to NBN Atlas each month, for many recording schemes and projects

Other schemes take data from iRecord and include it in their own annual uploads

In October, over 90% of records on NBN Atlas for year 2025 came via iRecord







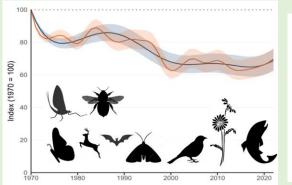
### Some key messages

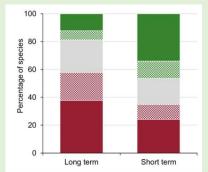




### 1. Volunteer-collected data is critical

- over 1/3 of the Defra Headline Biodiversity Indicators
- >9,000 species trends in State of Nature
- **2. People are key** as volunteer recorders & verifiers
- 3. Sharing data supports high impact research on drivers of biodiversity loss and impacts of interventions (protected areas, agro-environment, pesticide use, climate change etc.)







Example UKRI/ Defra projects:









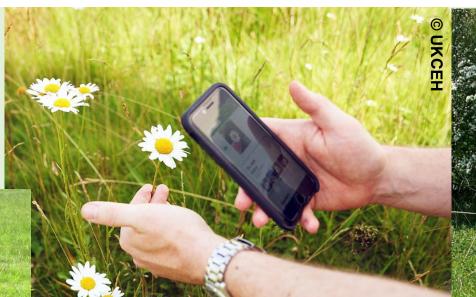


# From field observation to global data

Jim Munford (NBN's first Programme Director), 2000, in NFBR newsletter:

"We are laying the foundations for a Network that will take biological recording well into the 21st Century"













# From field observation to global data

 Many thanks to all contributing recorders and recording schemes

- BRC is supported by the Joint Nature Conservation Committee and UK Centre for Ecology & Hydrology, a not-for-profit research institute which receives support from Natural Environment Research Council as part of the National Capability for UK Challenges programme.
- Some recent projects have been supported by Defra's Natural Capital and Ecosystem Assessment (NCEA) programme



The late Trevor James, at the time of receiving the NBN 2018 Gilbert White Award for recording terrestrial and freshwater wildlife





