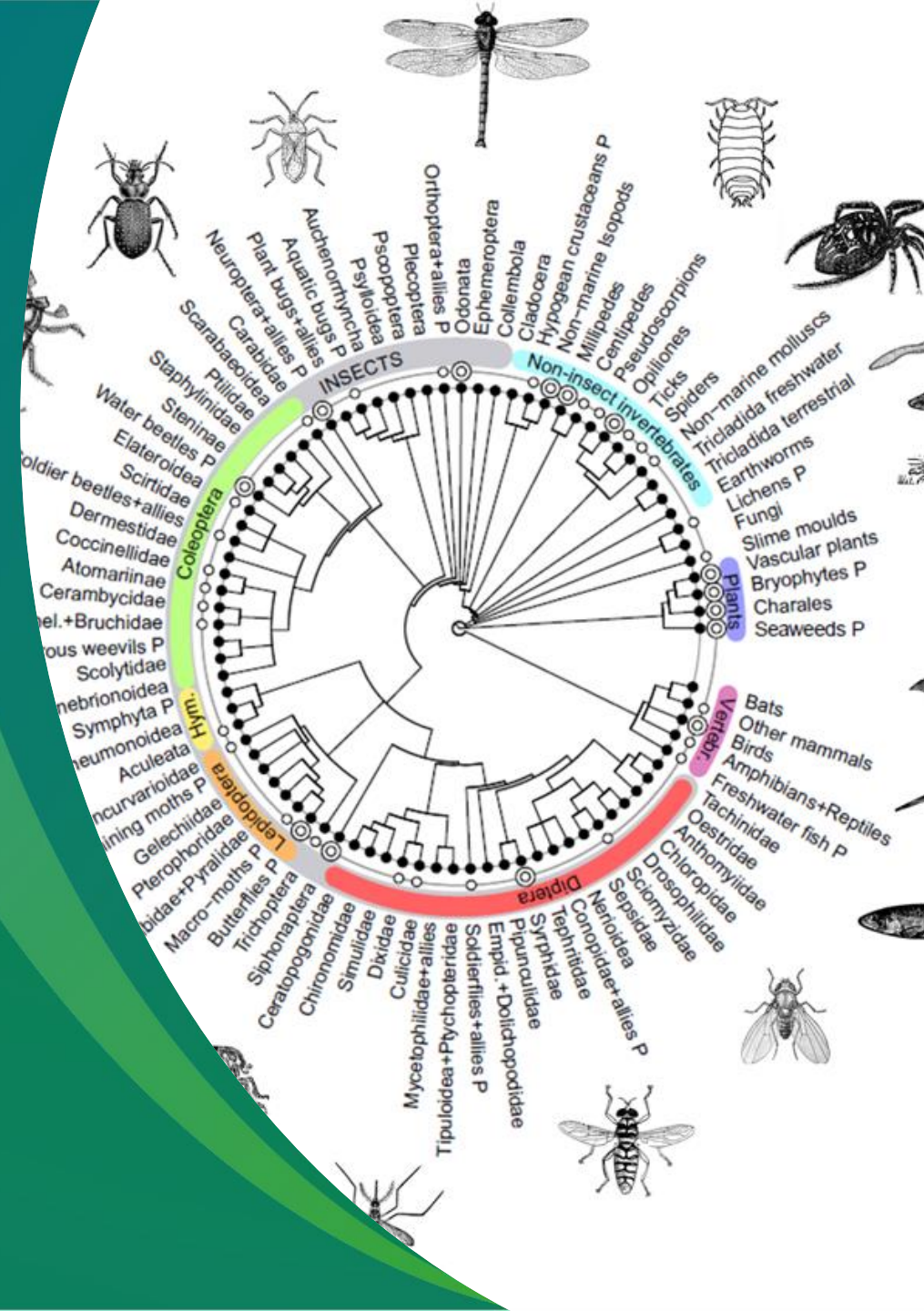


Introduction and update on BRC

David Roy

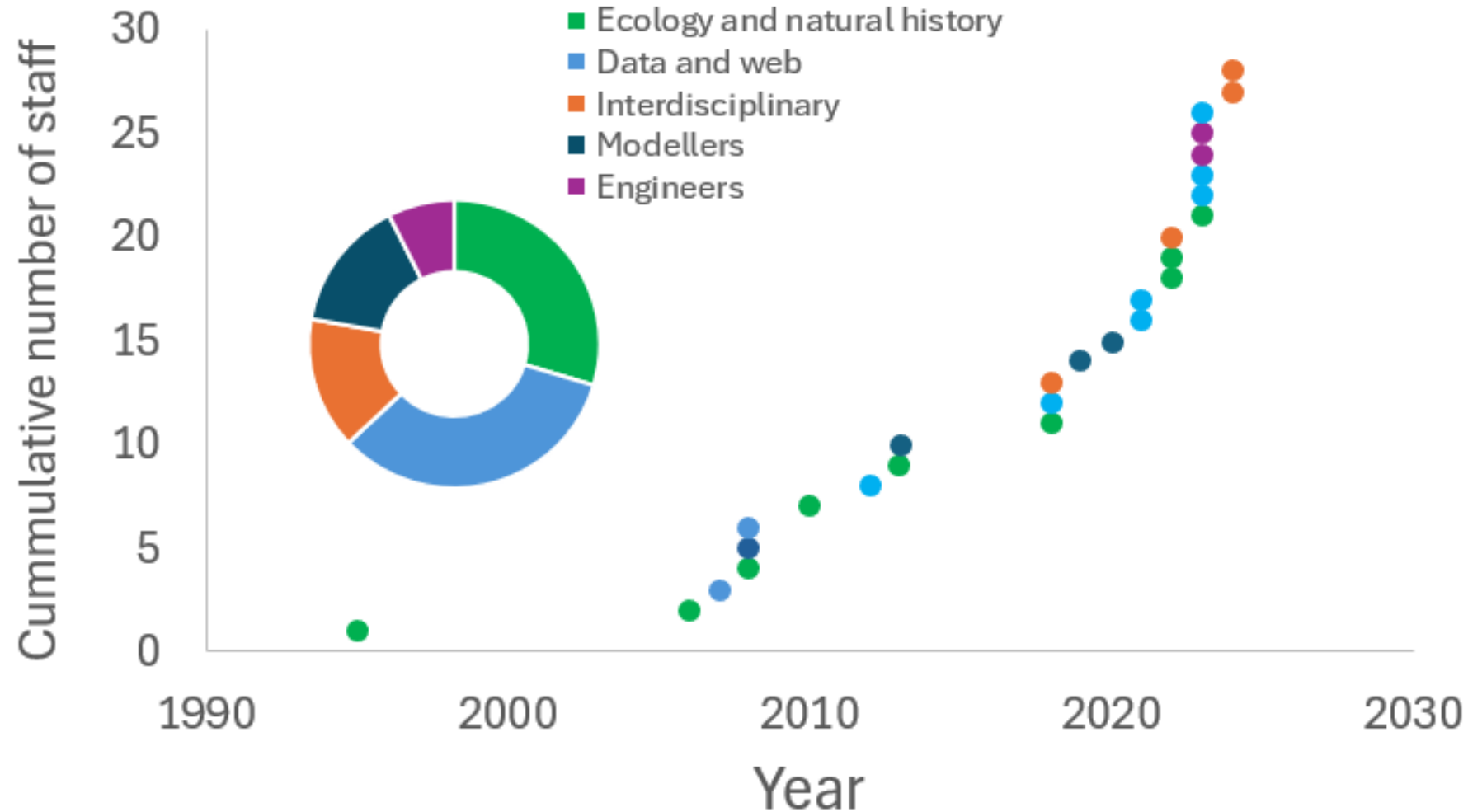




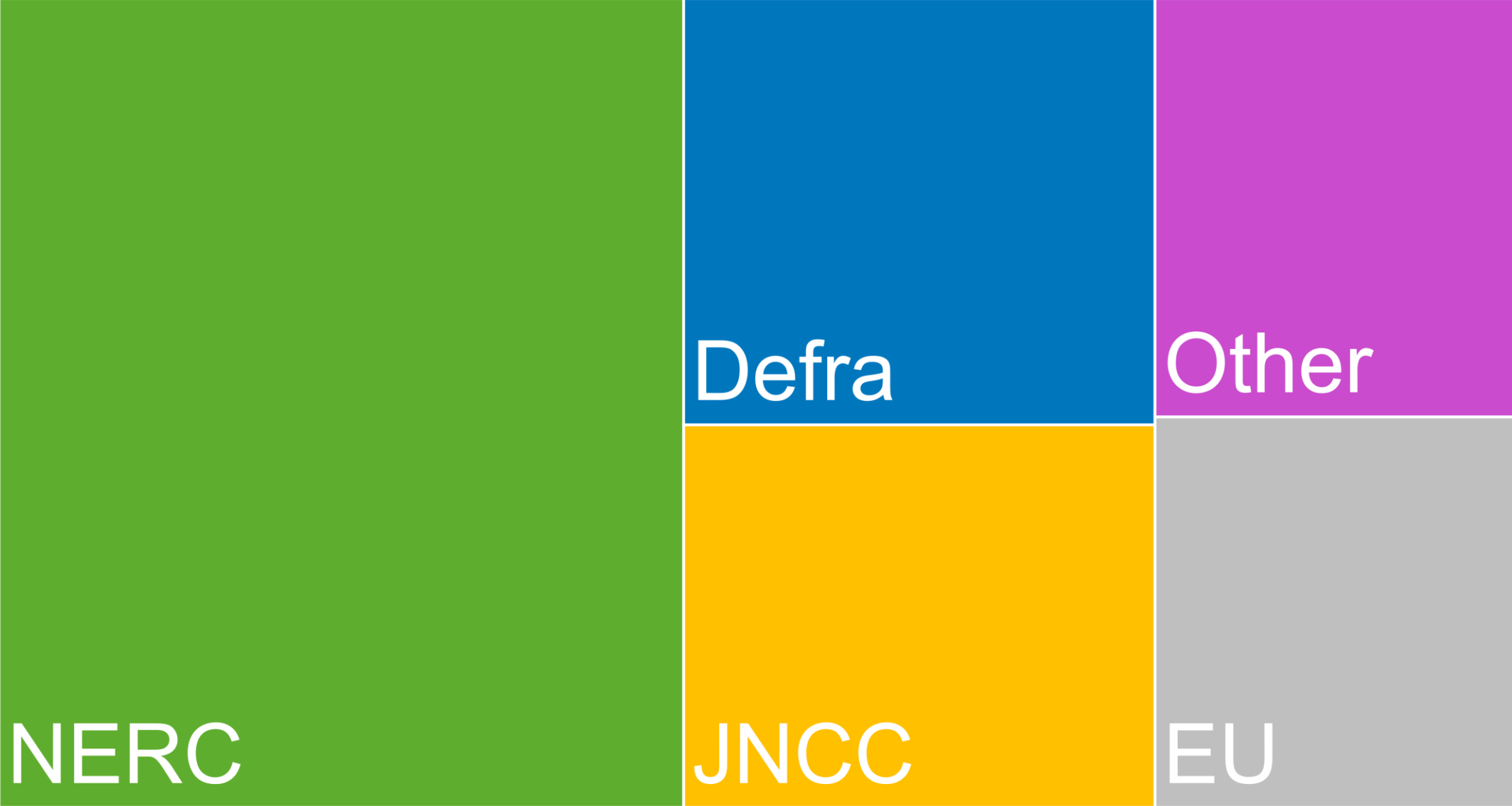
What has BRC been upto since 2020?

We've grown.....in staff numbers

When current staff arrived at BRC (UKCEH)



We've grown.....and who funds us



We've done some new things...

Adaptive citizen science



Recording nature where it matters

Methods in Ecology and Evolution



Understand biases

RESEARCH ARTICLE | [Open Access](#) |

ROBITT: A tool for assessing the risk-of-bias in studies of temporal trends in ecology

Robin J. Boyd , Gary D. Powney, Fiona Burns, Alain Danet, François Duchenne, Matthew J. Grainger, Susan G. Jarvis, Gabrielle Martin, Erlend B. Nilsen, Emmanuelle Porcher ... [See all authors](#)

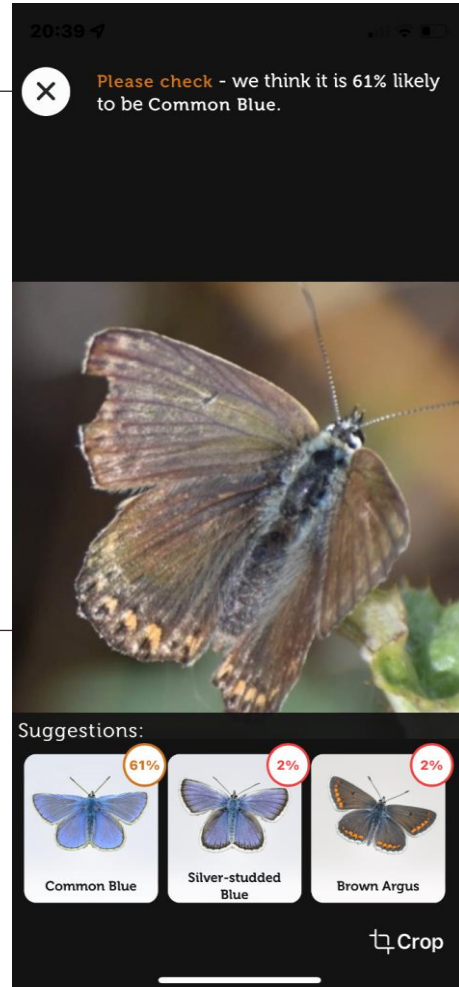
Making use of new technologies

26,061,226 records

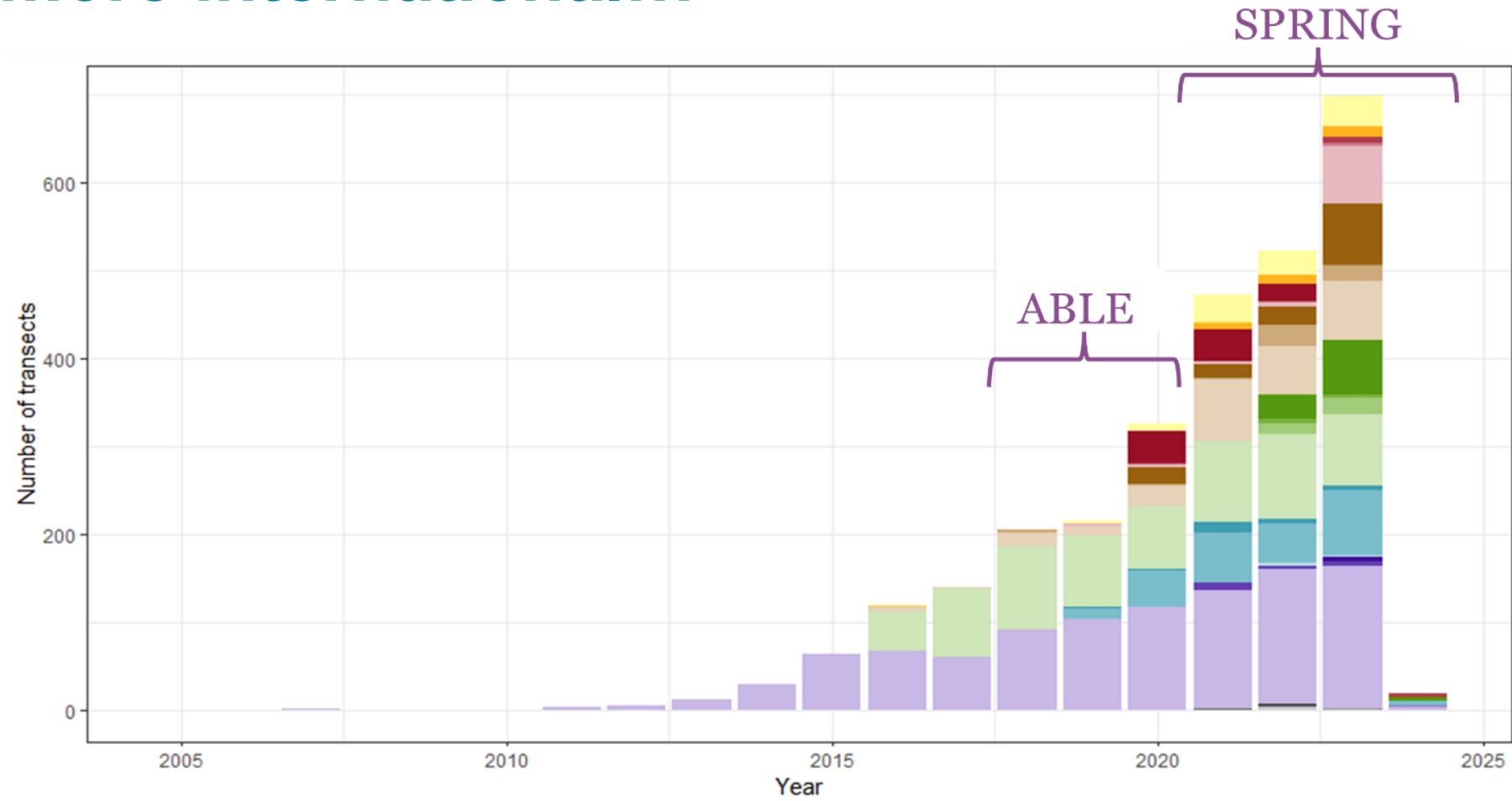
31,751 species

7,534,089 photos

268,056 recorders



We've become more international...

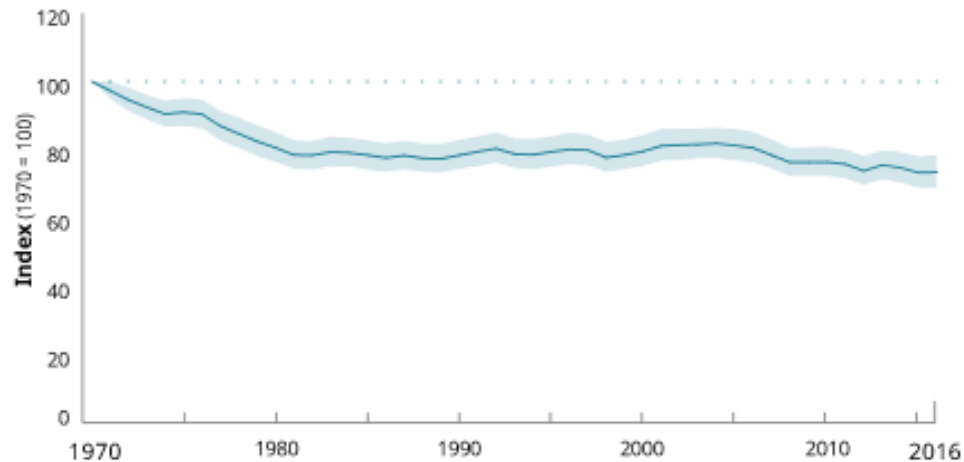


We've still retained the core of BRC...



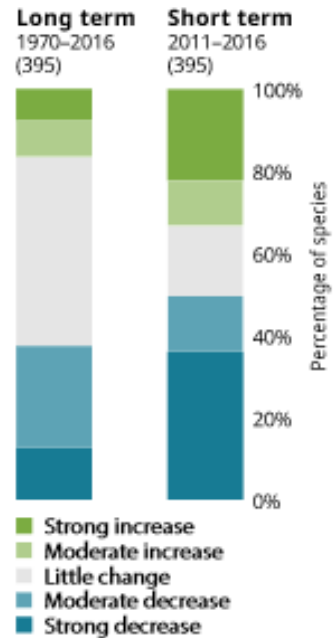
UK Biodiversity Indicator: Change in the distribution of UK priority species, 1970 to 2016

Occupancy indicator (395 species)



— Indicator 90% credible intervals

Source: jncc.gov.uk/ukbi-C4b



More species have seen their populations decrease than increase

38% have decreased

34% little change

27% have increased

The abundance of 753 terrestrial and freshwater species has on average fallen by

19%



16% of species are threatened with extinction from Great Britain.
151 of 10,008 assessed have already become extinct.

We have seen big changes in where wildlife is found

The distributions of half of flowering plant species have decreased across Great Britain

54%

The distributions of invertebrates have on average decreased across the UK

13%

Stronger declines in some insect groups which provide key ecosystem functions such as Pest control

34%

Pollination **18%**

Insects that help keep a healthy balance of nutrients in rivers and ponds initially declined before showing a rapid recovery that has since slowed

We've still retained the core of BRC...

9



**National Plant
Monitoring Scheme**



UK Butterfly
Monitoring Scheme

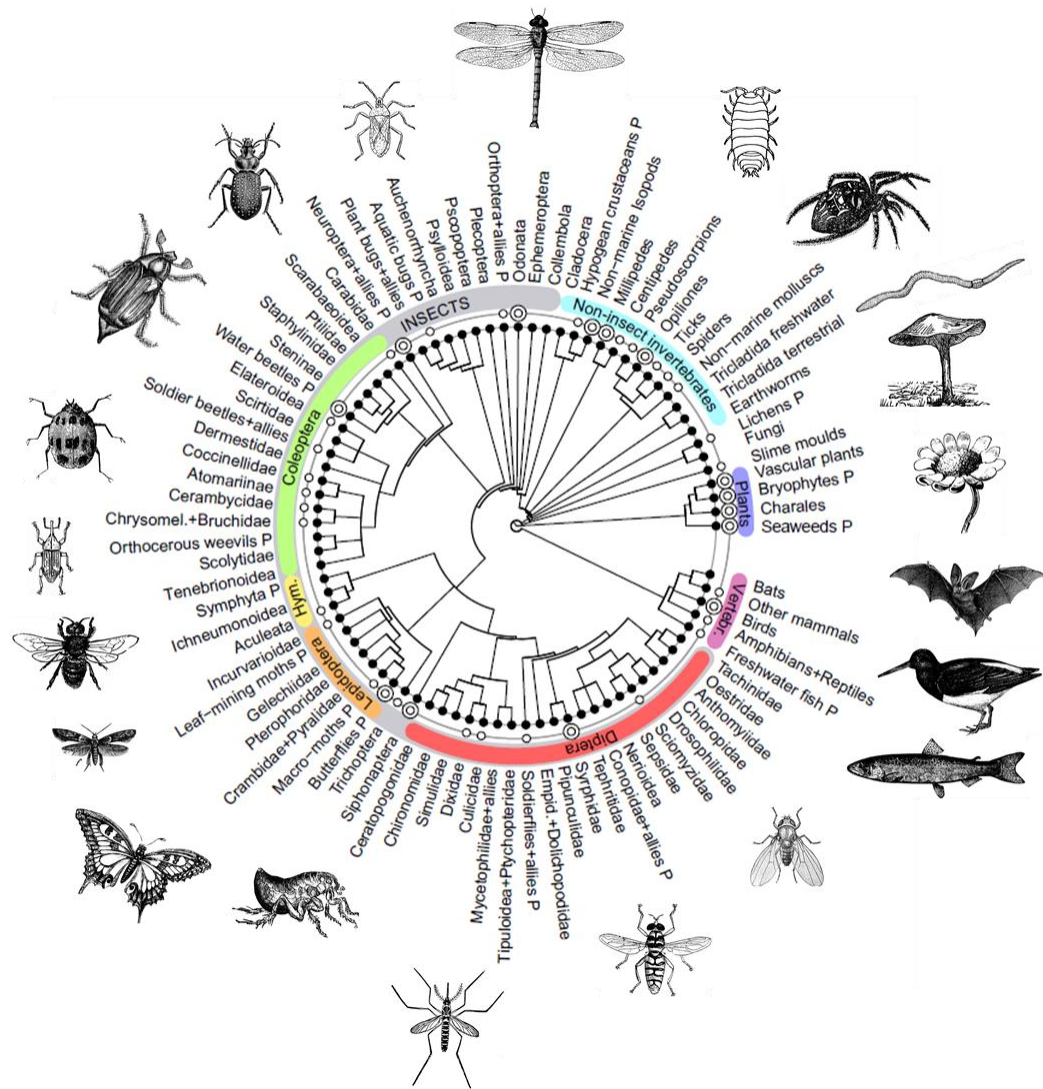
48

7



UK Pollinator Monitoring Scheme

We've still retained the core of BRC...



- BRC website lists 105 national schemes and societies:
 - 87 recording schemes (unstructured)
 - 8 monitoring schemes (structured)
 - 10 other (study groups etc.)
- Recent new schemes have been for marine isopods, flies (Kelp Flies, Bat Flies/Keds, Lesser Dung Flies) and beetles (Oil Beetles), plus changes of personnel for others





"Now, here, you see, it takes all the running you can do, to keep in the same place. If you want to get somewhere else, you must run at least twice as fast as that!"