



## Monitoring change in UK habitats through citizen science

Follow us!



@theNPMS



@the\_npms



NPMS Support



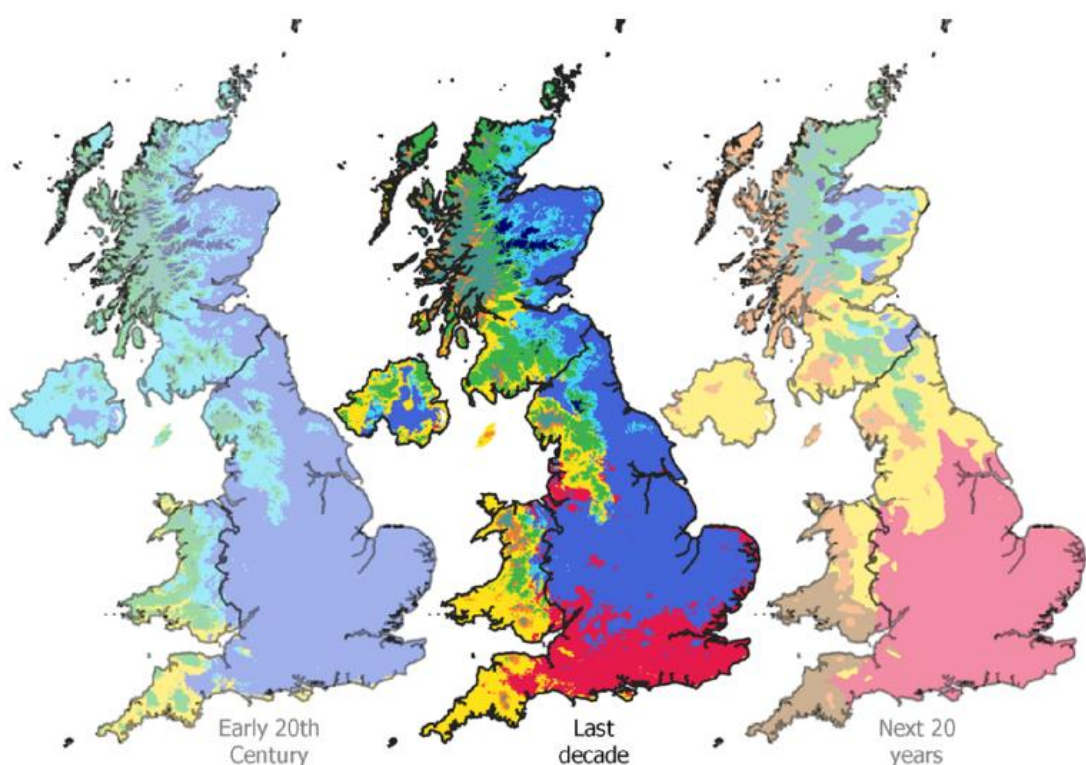
### Survey plant diversity and abundance by selecting an available 1km square

- 3 volunteer survey levels  
**Beginner – Intermediate – Experienced botanist**
- 2 surveys per year on 5 small plots
- Record positive and negative indicator species

60% of the entire native flora of the UK recorded to date

**Current research:** Knowing how habitats are likely to be impacted by environmental pressures requires us to understand changes that have already happened. The NPMS has a nationally crucial role in capturing the effects of **climate change**. We are using surveyor's data to discover how plant communities are being affected.

### UK habitat exposure to climate change



Past and future climate change in the UK. Each colour represents a cluster of similar climate conditions, tracked from 1901-1930 (left) to 2010-2019 (centre) and modelled for 2021-2040 (right). Data from HadUKgrid and UKCP18 (Met Office). Contains public sector information licensed under the Open Government Licence v3.0

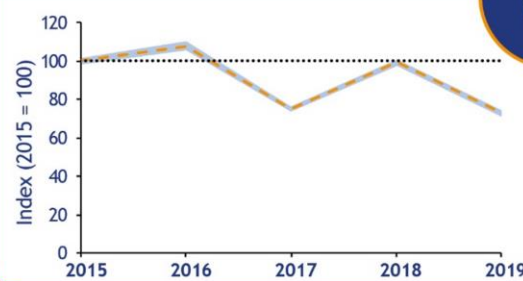
### UK Biodiversity Indicator

C7. Plants of the wider countryside

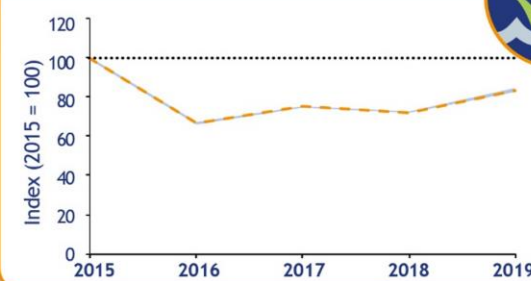
This indicator measures change in the abundance (% cover) of plant species that are used to assess a healthy habitat in the UK.

This indicator is still an experimental statistic in the official indicator set

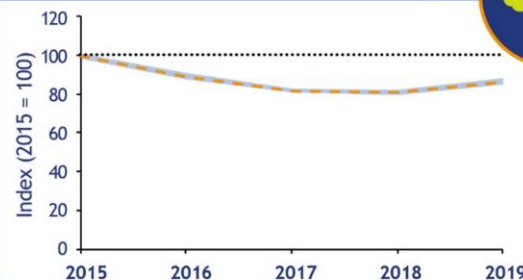
#### Arable field margins



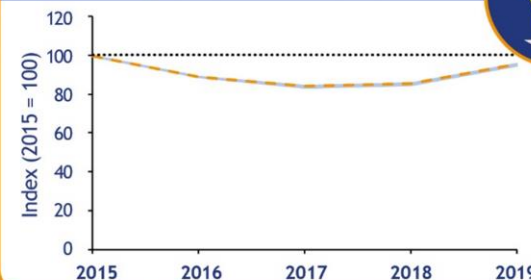
#### Bog and wet heath



#### Broadleaved woodland & hedges



#### Lowland grassland



These indicators provide an annual view of how a variety of groups of wildlife are faring across the UK. Specifically, NPMS data from four of the scheme's best surveyed broad habitats have been used to create a new indicator for category C7 "Plants of the wider countryside".



**We need you!** Could you complete just **2** plant surveys a year on up to **5** small plots? Or could you spare time to support NPMS volunteers on their squares local to you?

Full training and materials provided!