



Hello

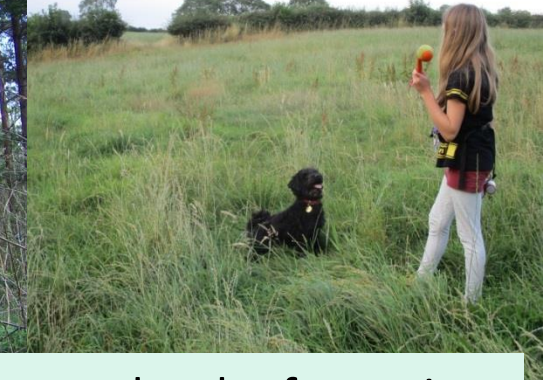


Bristol Regional  
Environmental  
Records Centre  
(BRERC)

BRERC is brilliant



To me data is like  
the lyrics of a song



All the words together paint a scrapbook of emotion



I can't get no.....

She loves you.....

The times they are a.....





If only I could find you.....





..... China Seas





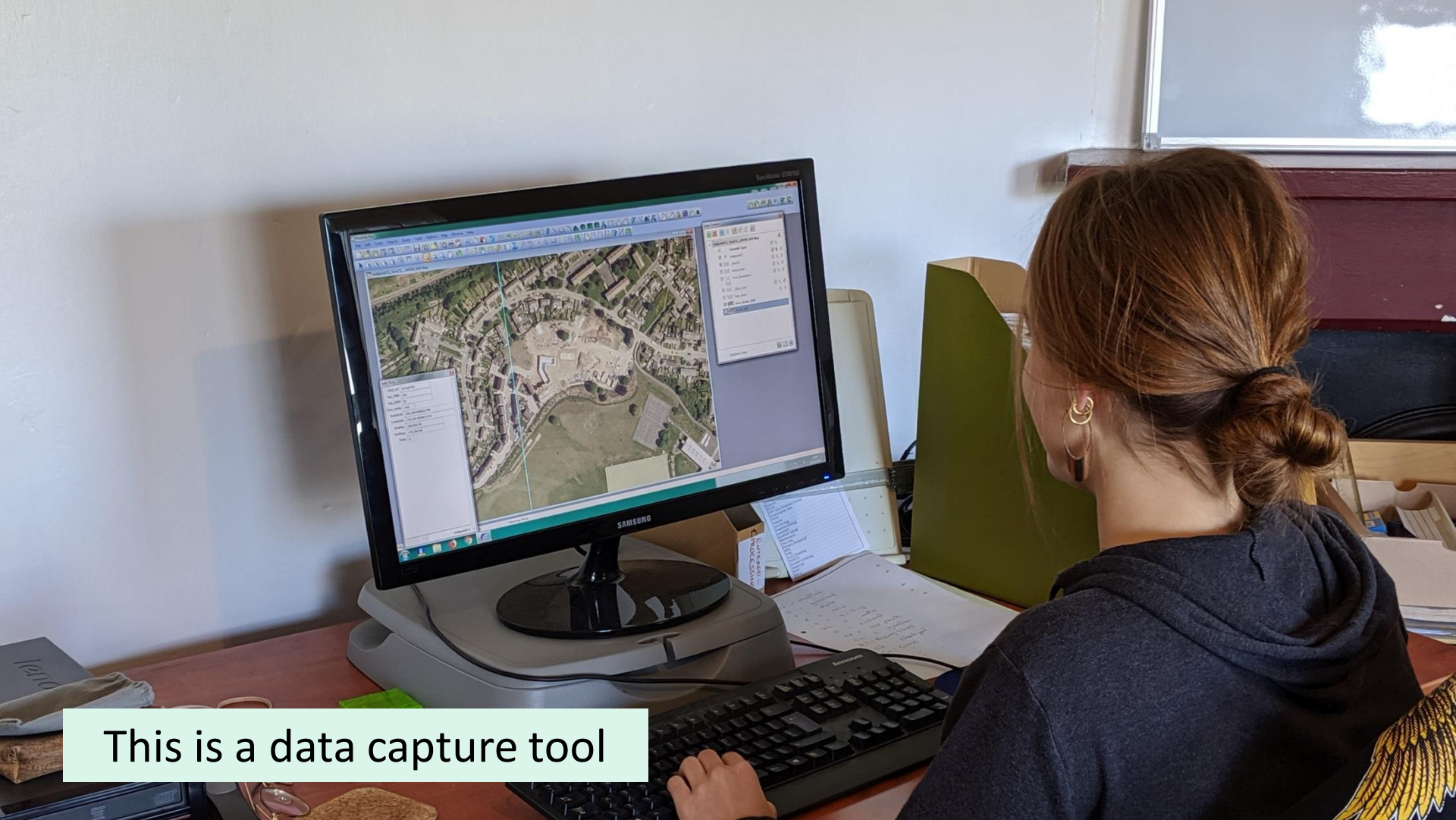
With all the information all of  
us can sing from the same  
hymn sheet





Anyway,





This is a data capture tool





This is a data capture tool







This is a data  
capture tool

# Meet the team

well thats jolly nice  
because wère not

BRERC

in paid  
in paid  
in sort of paid

2.5 staff

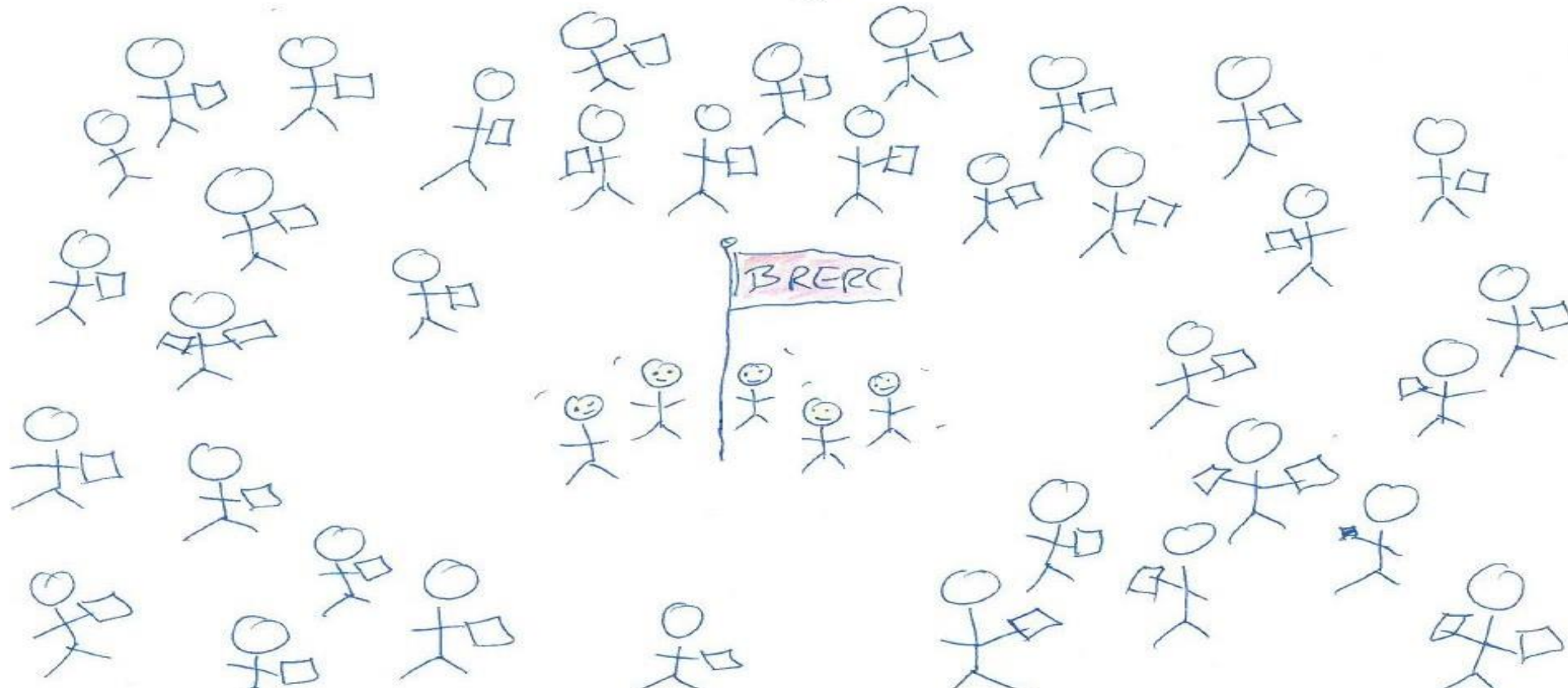




**We get data from every sector of society but mostly from amateur recorders**

**Hundreds and hundreds of them**

We're not paid either





Our core income only covers 60% of our core costs of employing the 2.5 staff

Our data search service makes up most of the shortfall of about £50,000



When we do projects **we are also expected** to contribute up to three times or more of the amount as **in-kind or voluntary** support





2.5 staff

Who  
might  
use  
LERC  
data  
from  
LERCs?

*BRERC is a Local Environmental Records Centre (LERC)*





Development Control



Home buyers

Architects





Landscape scale  
partnerships

and strategic  
planners



Land managers







Community  
groups

Schools

Anyone wanting  
to know what is  
in their  
neighbourhood

## Examples of other types of data from LERCs



Recorders' diaries

Pond surveys

Local expertise

Paper files and reports

Hedgerow surveys

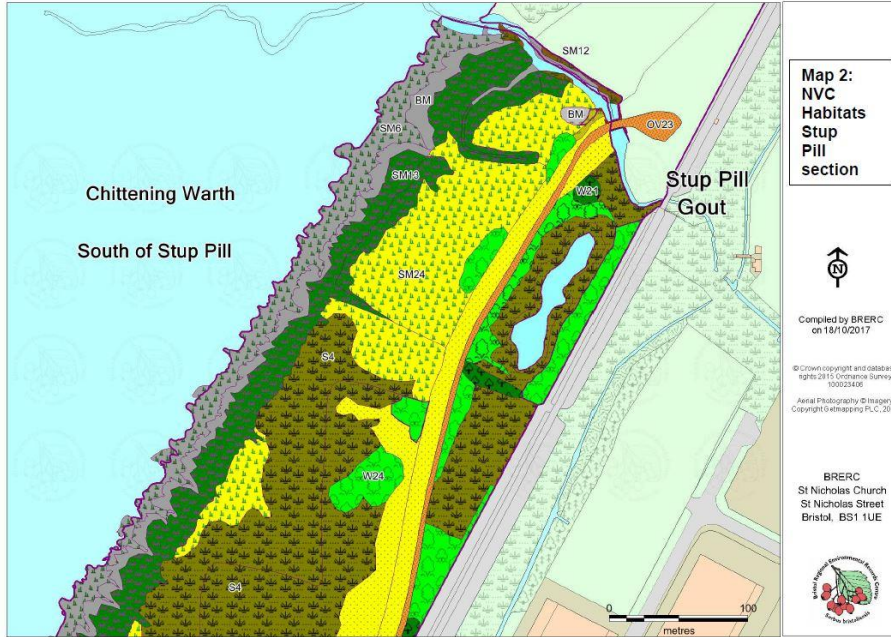
Etc.....



# Survey reports

BRERC

## APPENDIX 2: PHOTO



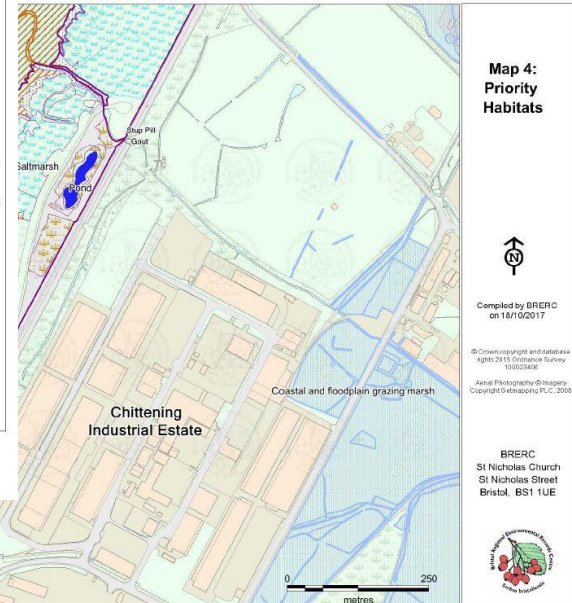
Page 2 of 4

## A FORGOTTEN LANDSCAPE

### LOWER SEVERN VALE LEVELS

#### PHASE 1 SURVEY 2013

LANDOWNERS: VARIOUS  
SITE NAME: LOWER SEVERN VALE LEVELS



## 1 INTRODUCTION

Bristol Regional Environment  
South Gloucestershire Co. (ha)  
area of the Lower Severn  
within South Gloucestershire  
Aust and Littleton-upon-  
Shirehampton and Lawren

The surveys were conducted  
January and April 2013.

The object of the survey was  
area and update the nature  
mapping.

## 2 SURVEY

### 2.1 Survey results

Surveys were conducted on  
permissive footpaths. Awa  
A number of rights of way

Habitat types were digitised  
system) layer to existing OS  
includes more than one dis

The GIS layer has been ma  
the area surveyed is attach  
incorporated into the BRER

### 2.2 Habitat Overview

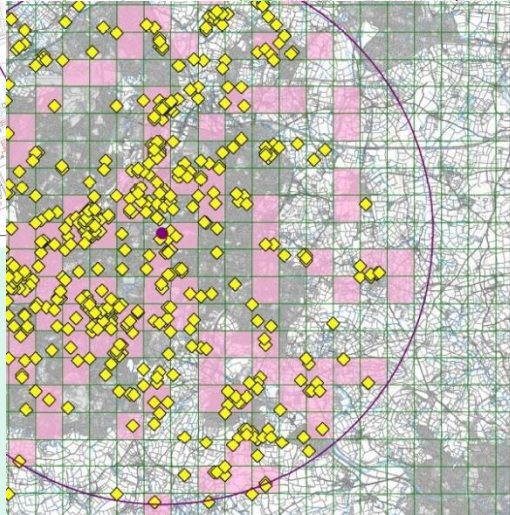
Within the survey areas the

A	Arable fields
AM	Amenity
I	Improved grassland
SI	Semi-improved grass
SNG	Semi-improved neutral
CG	Calcareous Grassland
SCG	Semi-improved calcareous
MG	Marshy grassland
SP	Swamp

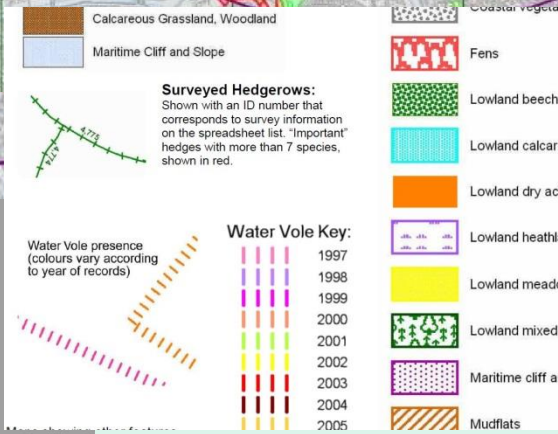
1: Redland Park Meadow 2: Bath Asparagus 3: Common Blue on Ragwort  
4: Common Frog and Slow-worm 5: Roesel's Bush Cricket 6: Brown Ant

Chittingen Warth





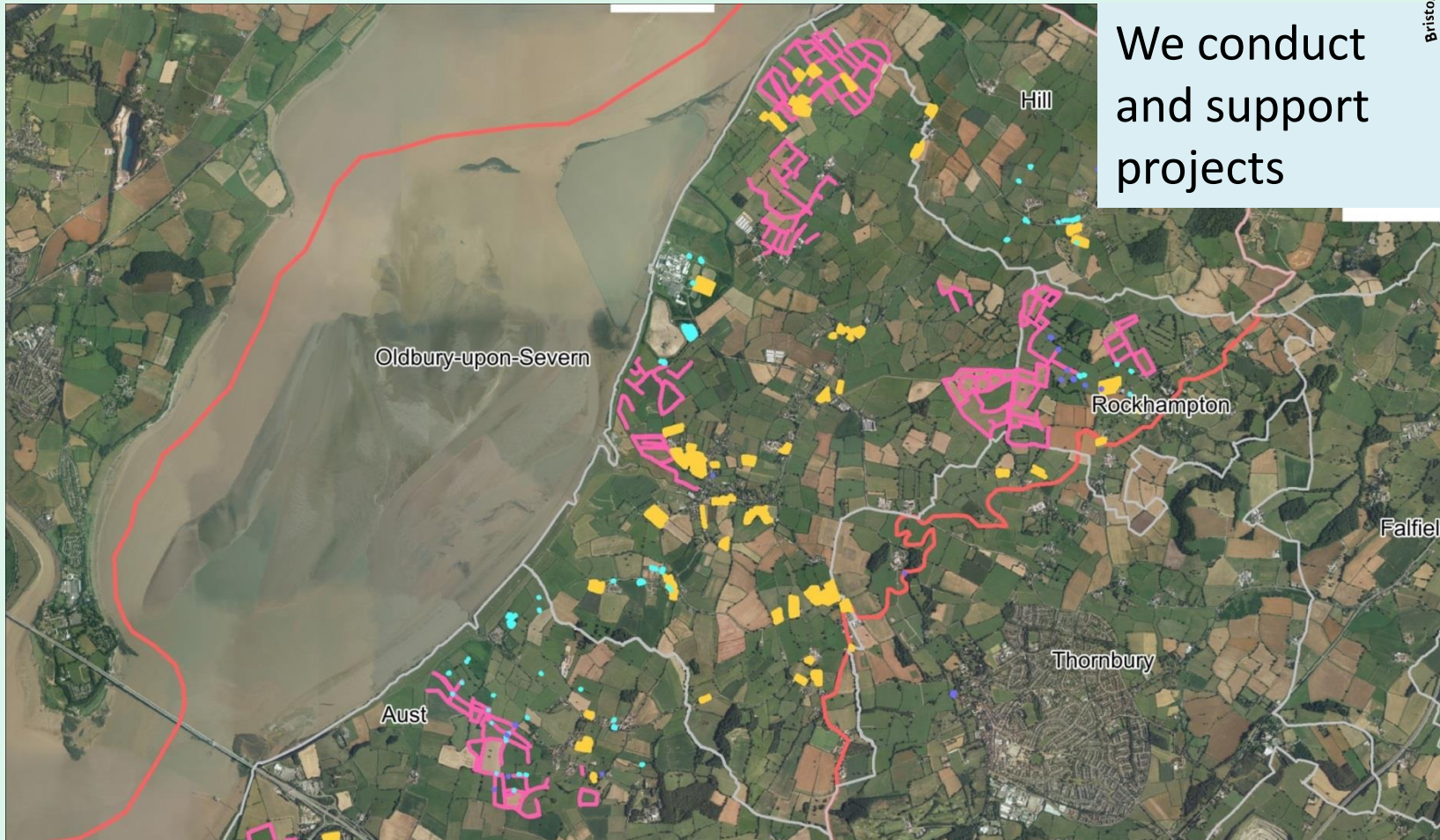
<i>argemone emerus</i>	Unbranched Bur-weed	5715269	River Avon, between Bathwick & Putney Vesp	Summer 1996	present	present	folded	Unknown	Building based on 2001 data - photos - fold - tail - coat - crown				tail
<i>turnus vulgaris</i>	Starling	5715261	Bathwick, Henfield Street, Bath	23/04/2019	1	present	folded	Abductor / Outing / Puffin	1st/1st	1st/1st (2001 Available)	1st/1st	1st/1st	tail
<i>nas playfynchus</i>	Mallard	5715263	River Avon, between Bathampton & Putney Vesp	16/02/1996	10	present	folded	Unknown	None				tail
<i>Uddiga davidi</i>	Buddiea	5715263	River Avon, between Bathampton & Putney Vesp	Summer 1996	present	present	folded	Unknown	PHOTO: 2001 available				tail
<i>alpina japonica</i>	Japanese Knotweed	5715263	River Avon, between Bathampton & Putney Vesp	Summer 1996	present	folded	Unknown	PHOTO: 2001 available		Lab & VASA 2001			tail
<i>avis fusca</i>	Lesser Black-backed Gull	5715263	River Avon, between Bathampton & Putney Vesp	16/02/1996	2	present	folded	Unknown					tail
<i>meles meles</i>	Badger	5715263	St John's Road, Bathwick, Bath (pasture)	23/04/1991	present	present	folded	Unknown	PHOTO: 2001 available	Donna May 1991	Meow: May 1991, VASA 1991	Meow: May 1991, VASA 1991	meow
<i>Uphar lutea</i>	Yellow Water Lily	5715263	River Avon, between Bathampton & Putney Vesp	Summer 1996	present	present	folded	Unknown	Building based on 2001 data - photos - fold - tail - coat - crown				tail
<i>Vitis major</i>	Great Tit	5715263	River Avon, between Bathampton & Putney Vesp	16/02/1996	1	present	folded	Abductor	None Available - Appends 2	None Available - Appends 2			tail
<i>argemone emerus</i>	Unbranched Bur-weed	5715261	River Avon, between Bathampton & Putney Vesp	Summer 1996	present	present	folded	Unknown	Building based on 2001 data - photos - fold - tail - coat - crown				tail



**Some information  
provided to  
enquirers**



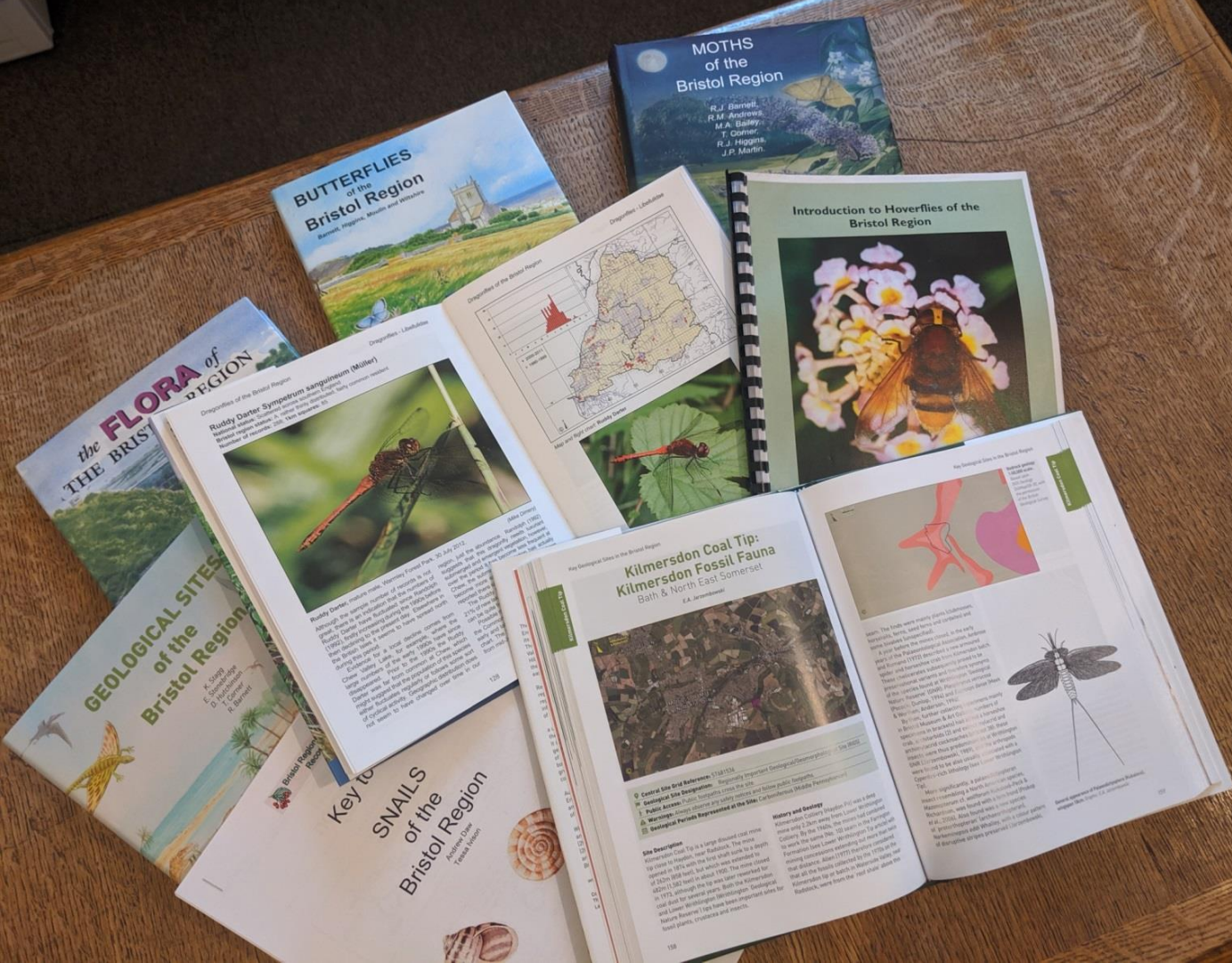
We conduct  
and support  
projects





# Working with recorders

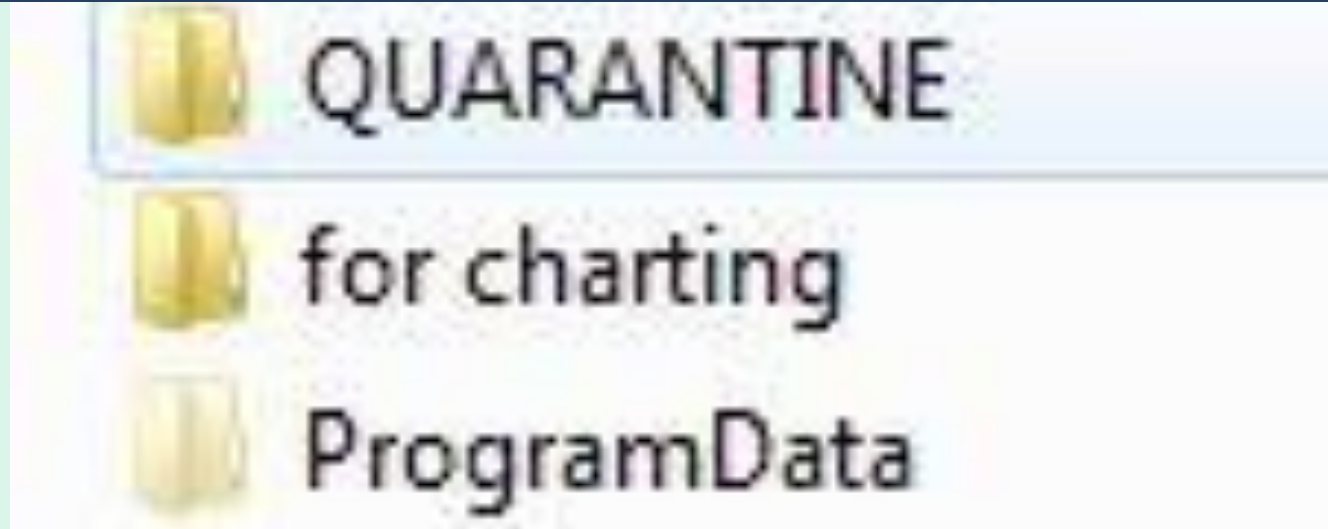
BRERC  
produces  
guides and  
atlases using  
the data





Sometimes we are too defensive and say

“Ooooooh I don’t know..... probably not, as we can’t afford to”



## Stoke Park

Bristol, South Gloucestershire

Eileen Stonebridge

Rather than

“We want to be able to.....

perhaps we can work with you to find a solution”

**Central Site Grid Reference:** ST614768

**Geological Site Designation:** Regionally Important Geological/Geomorphological Site (RIGS)

**Public Access:** Public open space. Several footpaths cross the site.

**Warnings:** Always observe any safety notices.

**Geological Periods Represented at the Site:** Triassic, Jurassic

### Description

Stoke Park is an historic park and garden approximately 2km northeast of Bristol city centre. The yellow Dower House (private property) is a prominent local landmark, sited on the high ground overlooking the M32 motorway, and many parts of the former Stoke Park Estate are Historic Landscape Grade II/\* protected. The major landform of the area is an interfluve (ridge), between the River Frome and the now, mostly dry valley to the northeast of the ridge. These two valleys isolate the area, forming a small plateau known as Purdown on which the Dower

House was built for the Berkeley family, with its estate known as Stoke Park.

This is an historic parkland, where, between 1748–1766, the designer Thomas Wright utilised the landform features as a basis for his design for a park which would enhance the setting of the house. From the top of the ridge there are wide views over Bristol, Kingsdown and the surrounding area.

The Triassic rocks are overlain by the impermeable Liassic succession of rocks — which are mainly mudstone, with some limestone and shale bands. It is the relationship between these



**Geological Period**    **Formation / Sub-group**

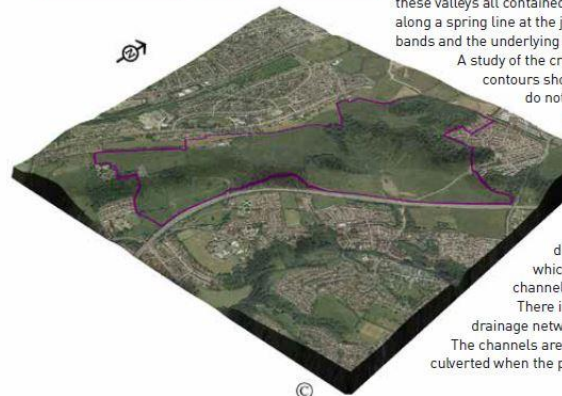
Jurassic	Charmouth Mudstone
	Rugby Limestone and Mudstone
	Saltford Shale member
Jurassic/Triassic	Wilmcote Limestone and Mudstone interbedded
	Mercian Mudstone
Triassic	Redcliffe Sandstone member

strata which affected the ground which the landforms developed were incorporated into this in the style which was popular during the movement of the

The dominant landform is Liassic rocks. The process is illustrated by a series of valleys higher plateau onto a wide Triassic mudstone and sandstone

Early paintings of the mountains these valleys all contained along a spring line at the junctions and the underlying c

A study of the contours shows that the contours show do not

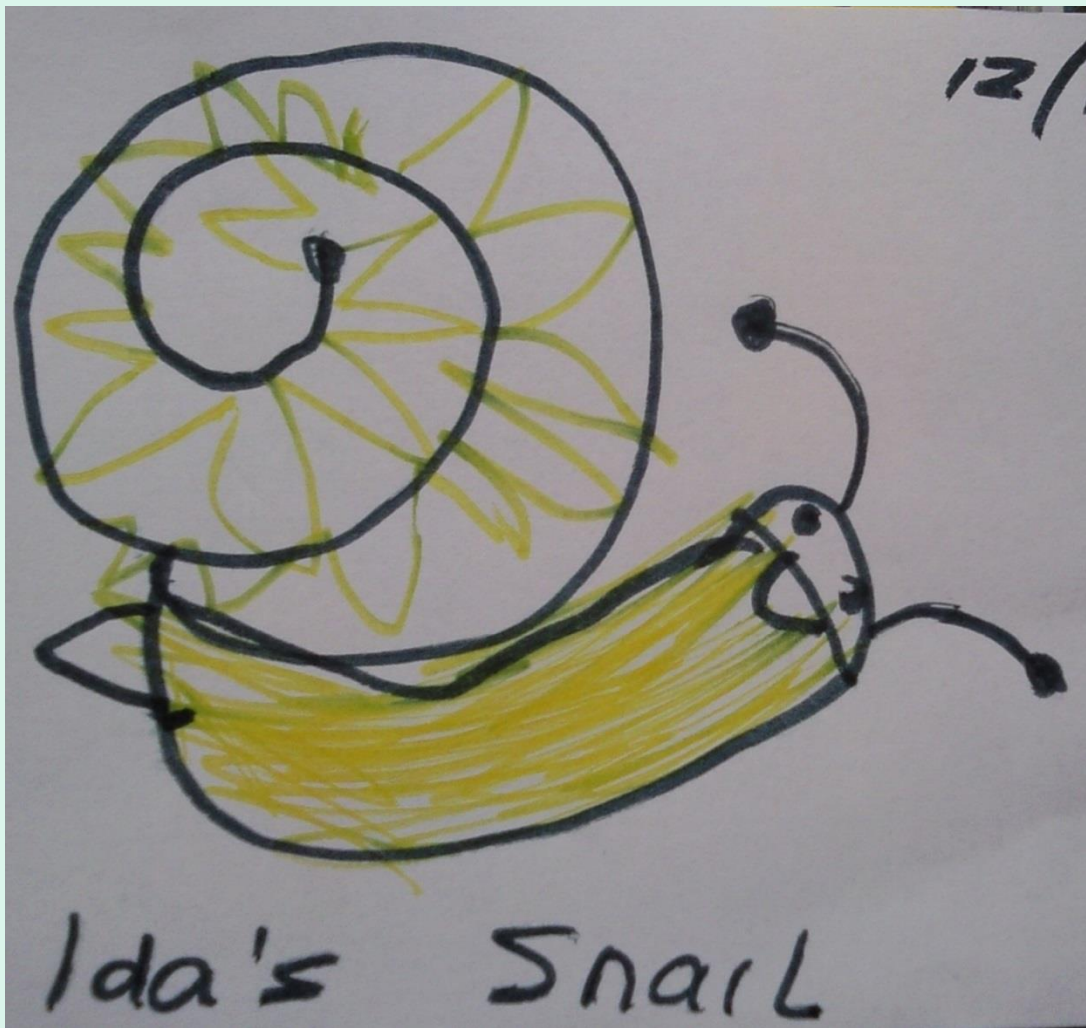


dis which channel There is drainage network The channels are culverted when the pe



Why put anything on the NBN Atlas?





The data is not just for us



The Atlas shares zillions of records

BRERC only have millions and we only have them for the BRERC region.



**Together** they become zillions plus millions **and** millions plus zillions

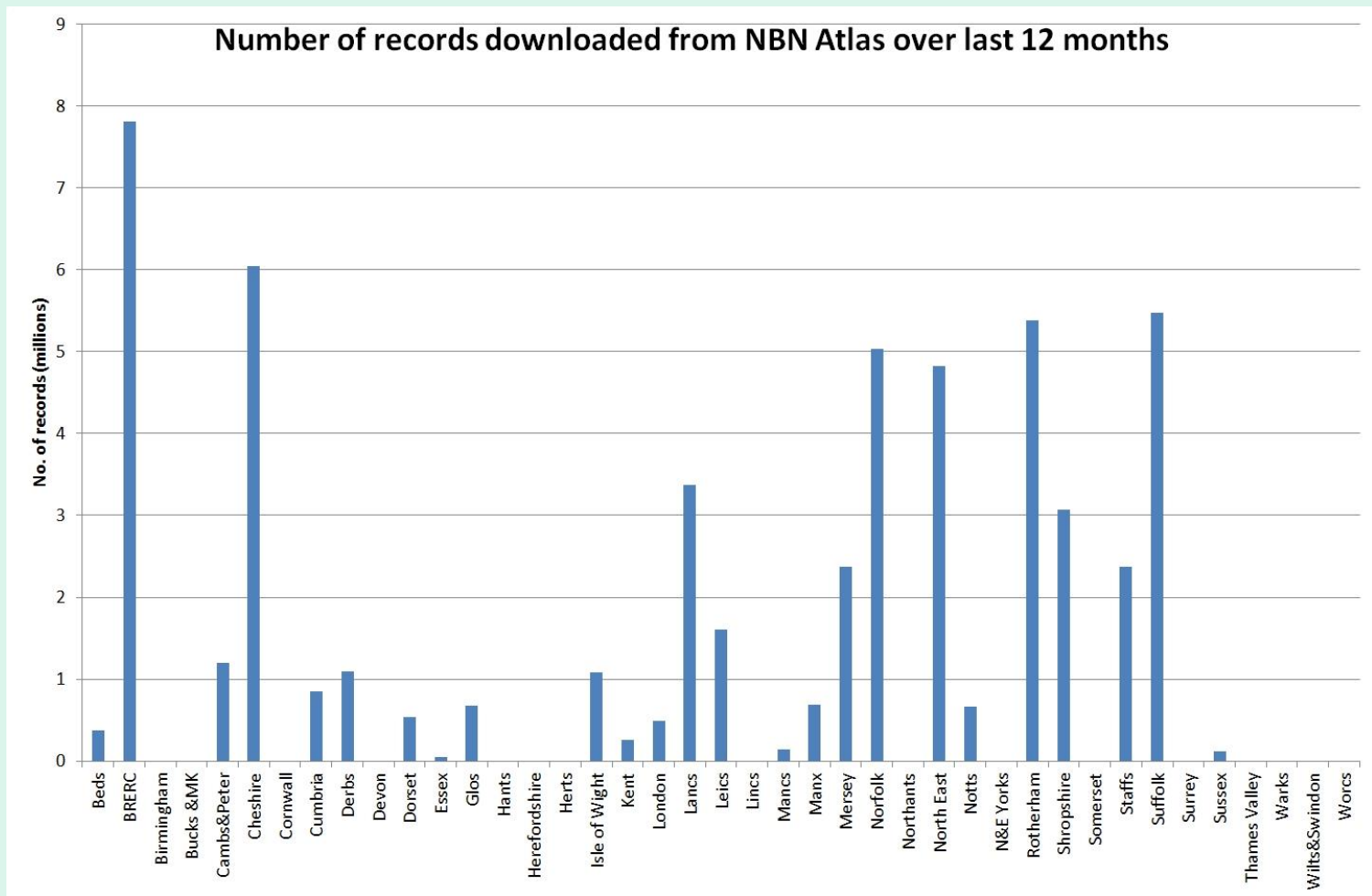




For the next slides I have excluded the fantastic and massive datasets from the BTO

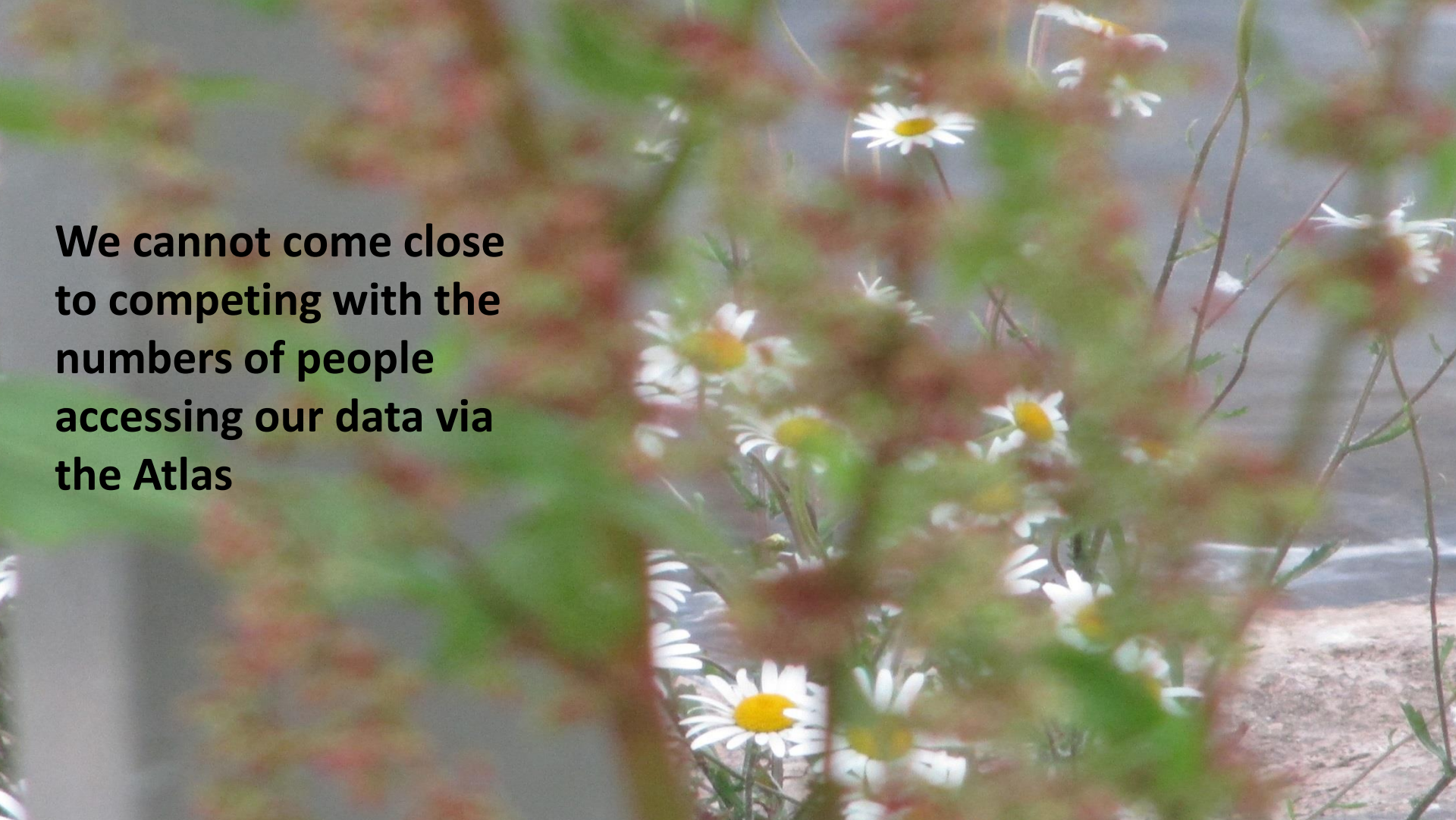
*Only* because they skew the comparative figures I am using here





English LERC areas only shown here

**We cannot come close  
to competing with the  
numbers of people  
accessing our data via  
the Atlas**





# Busy records locally, nationally and across the world

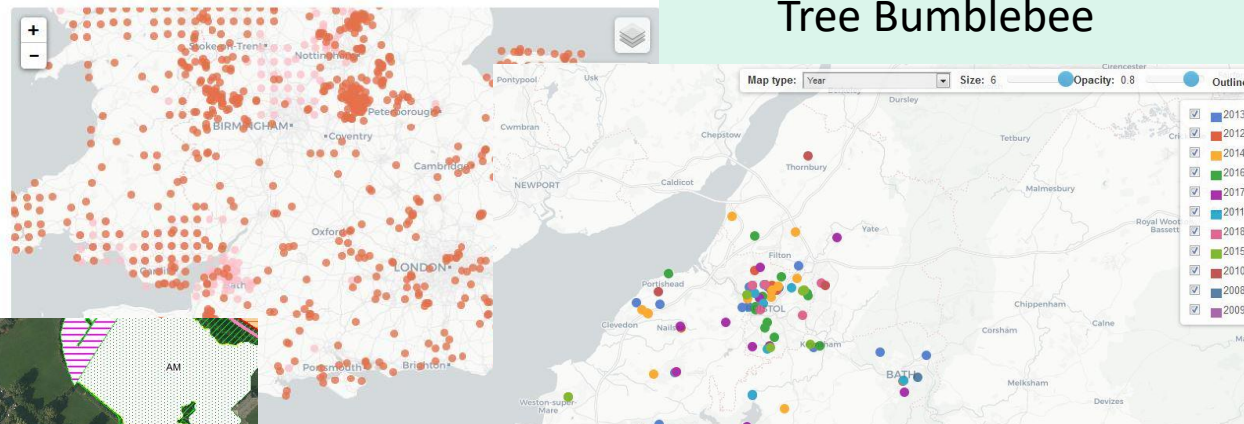
## Tree Bumblebee

Overview Gallery Names Classification Records Literature



5,971 records (5,971 in total)

This map contains both point- and grid-based occurrences at different resolutions



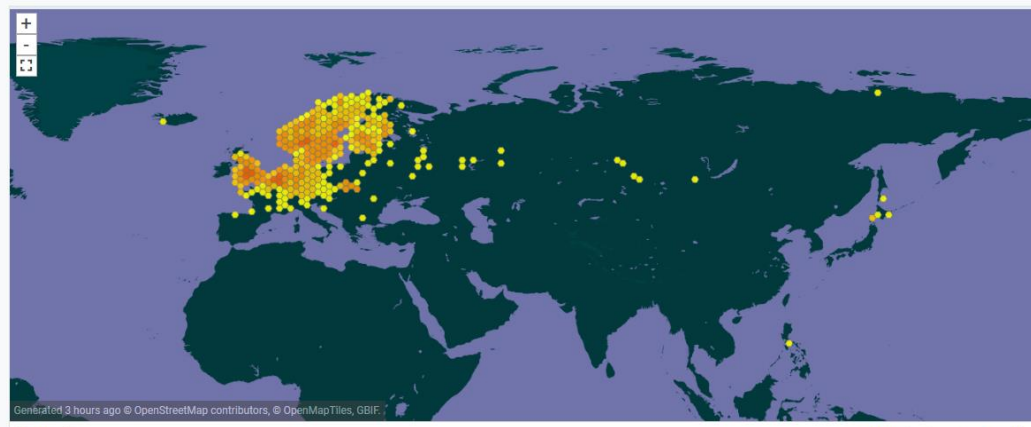
Info Tool

Scientific\_Name: *Bombus (Pyrobombus) hyporum*  
 Common\_Name: Tree Bumblebee  
 Grid\_Ref: ST602755  
 Place: Bolling Wells Lane, Bristol  
 Date\_of\_Record: 23/03/2014  
 Abundance: 1  
 Sex\_Stage: queen  
 Record\_Type: field record  
 Taxafeld: ant\_bee, wasp, sawfly or ichneumon (and others)  
 Easting: 360.200  
 Northing: 175.500  
 Unique\_No: 2,002,387  
 Source: recorder  
 BLISS: E15/03/20  
 md\_recorder\_1: Mortin Dr Jon 2570  
 md\_yearend: 2,014

<< >> List treebee



26,028 GEOREFERENCED RECORDS



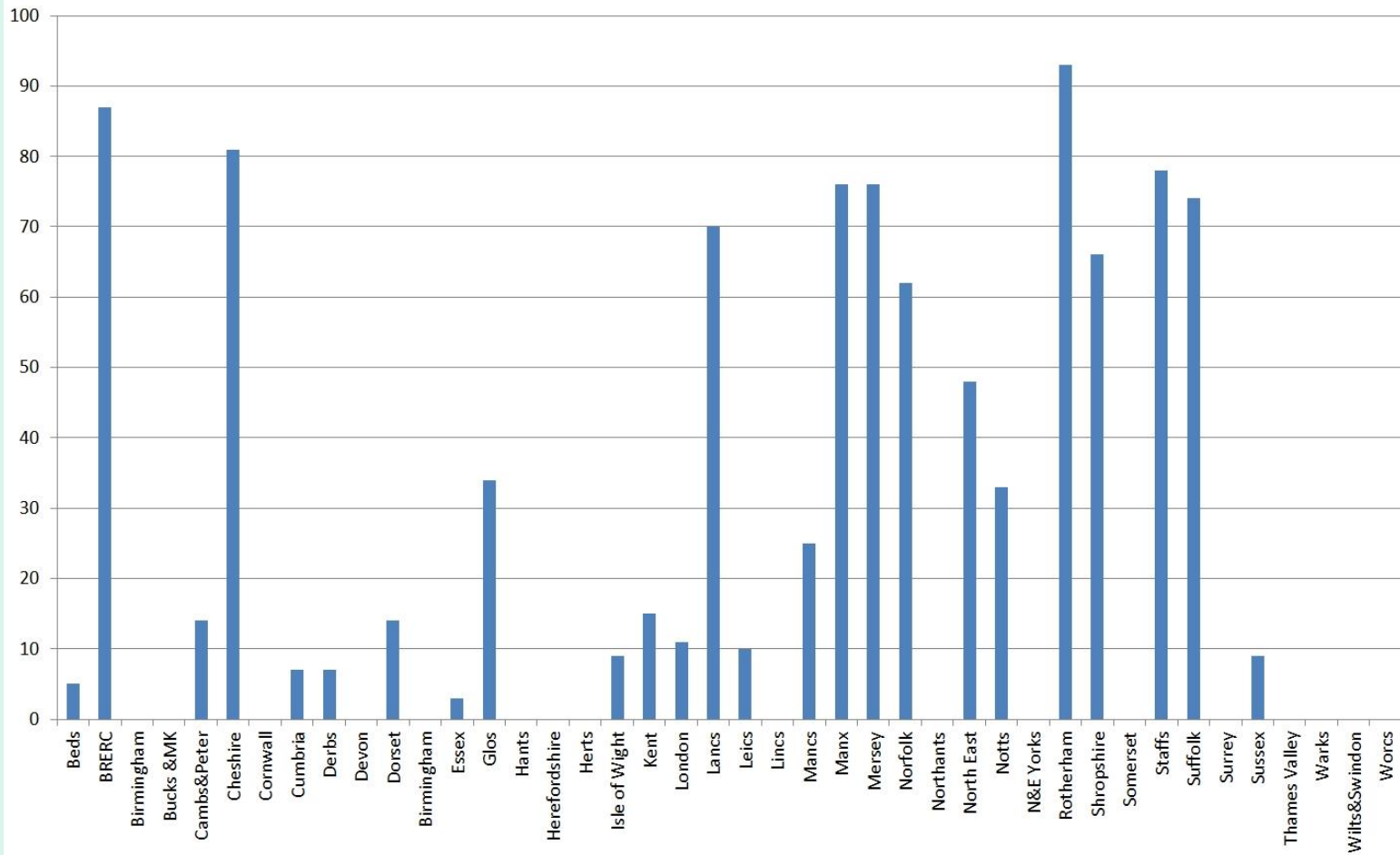




Many LERCs that  
upload their  
holdings  
contribute a high  
proportion of the  
Atlas data for  
their area



## % of NBN Atlas data from LERC



*English LERC areas  
only shown here*



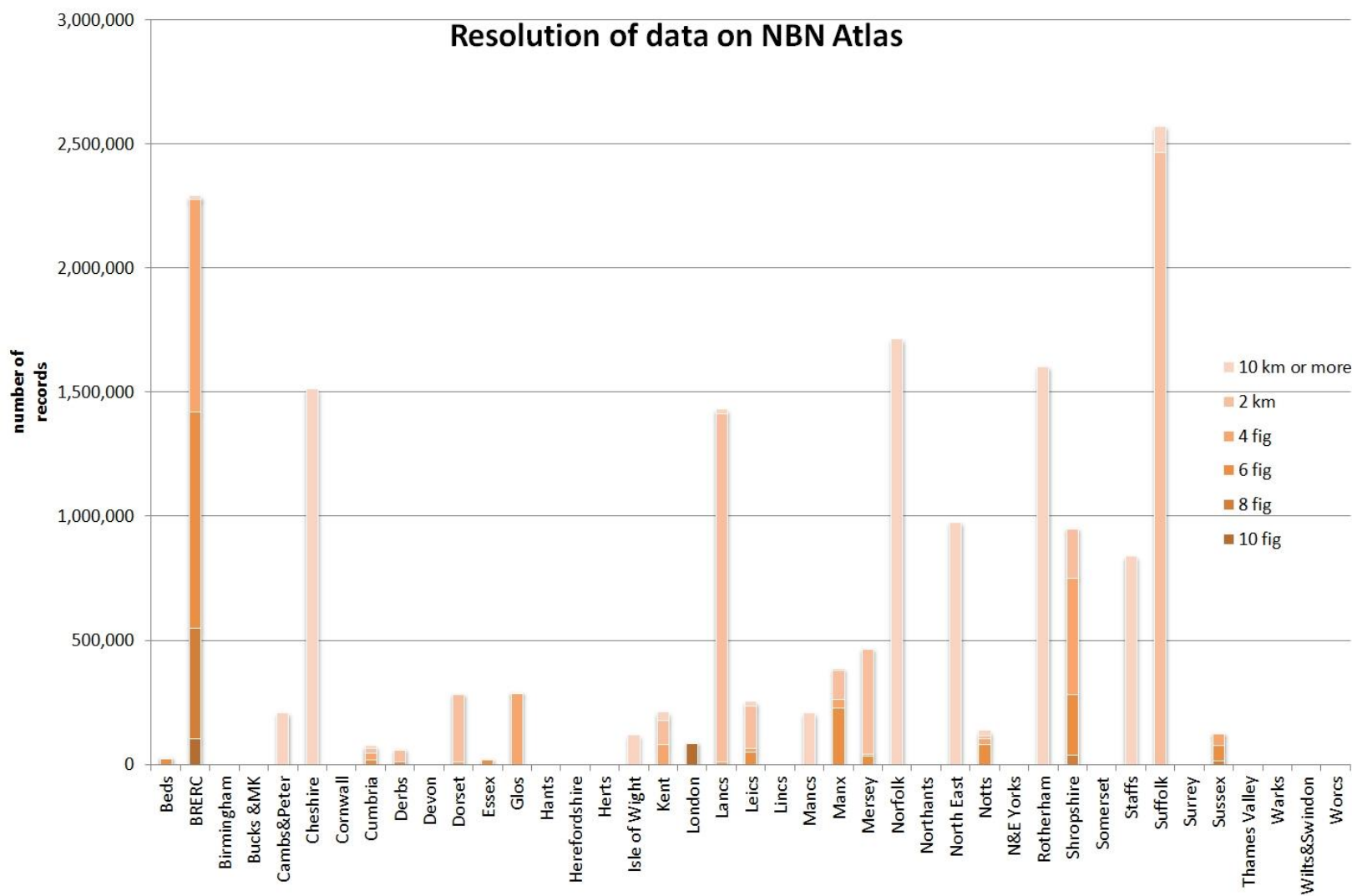
Low  
resolution...

*might* be good  
for some  
things  
*but....*





## Resolution of data on NBN Atlas



The majority of our data is on at full resolution

Only English LERCs shown here





In 2006 BRERC  
uploaded all  
its species  
records to the  
NBN Gateway  
(now Atlas)

We were the  
first LERC to  
do so





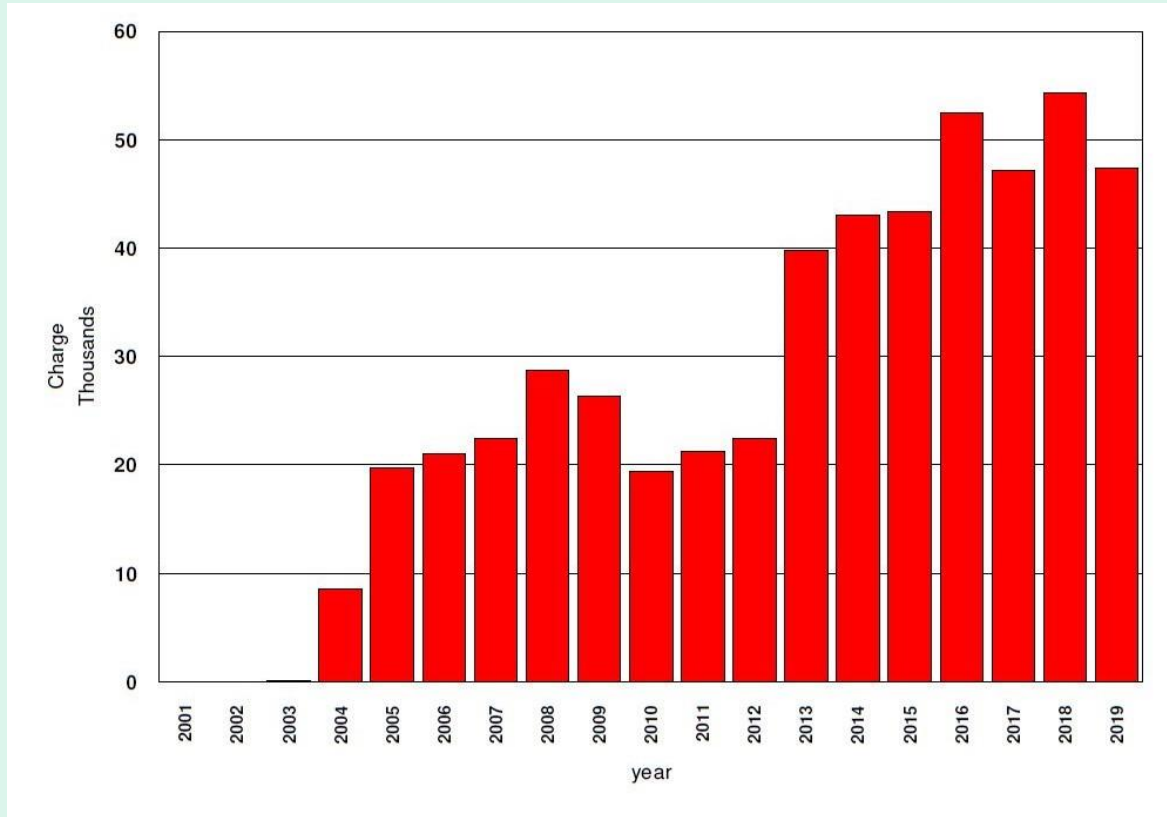
Oh No!

As expected, since 2006 when BRERC first uploaded all species data, income from our enquiry service has **changed considerably**



Phew!

Not a decline



Could the NBN and government bodies do better in some things?

Yep



## Darwin Core, NBN and other portals require.....

coordinateUncertaintyInMeters <b>[Required]</b>	Precision	<p><b>Definition:</b> The horizontal distance (in meters) from the given decimalLatitude and decimalLongitude describing the smallest circle containing the whole of the Location. If using grid references, this field should contain the precision of the grid reference (100 metres for a 6-figure grid ref etc).</p> <p><b>Example:</b> 1000</p> <p><b>Additional Information:</b> The data should be supplied at public resolution. If this is not possible, please let us know. The resolution of the data should be changed before it is uploaded to the NBN Atlas.</p>
gridReference <b>[Required if decimalLatitude and decimalLongitude aren't provided]</b>	GridReference	<p><b>Definition:</b> Location of the record in a grid system.</p> <p><b>Example:</b> 1000</p> <p><b>Additional Information:</b> The data should be supplied at public resolution. If this is not possible, please let us know. The resolution of the data should be changed before it is uploaded to the NBN Atlas.</p>
geodeticDatum <b>[Required if decimalLatitude and decimalLongitude aren't provided]</b>	GeodeticDatum	<p><b>Definition:</b> The geographic latitude (in decimal degrees, using the spatial reference system given in geodeticDatum) of the geographic center of a Location. Positive values are north of the Equator, negative values are south of it. Legal values lie between -90 and 90, inclusive.</p> <p><b>Example:</b> "-41.0983423"</p> <p><b>Additional Information:</b> decimalLatitude and decimalLongitude gridReference can be used in place of gridReference.</p> <p>See <a href="#">discussion</a> ↗</p>
decimalLongitude <b>[Required if gridReference isn't provided]</b>  Must be used in conjunction with decimalLatitude	DecimalLongitude	<p><b>Definition:</b> The geographic longitude (in decimal degrees, using the spatial reference system given in geodeticDatum) of the geographic centre of a Location. Positive values are east of the Greenwich Meridian, negative values are west of it. Legal values lie between -180 and 180, inclusive.</p> <p><b>Example:</b> "-121.1761111"</p> <p><b>Additional Information:</b> decimalLatitude and decimalLongitude gridReference can be used in place of gridReference.</p>

Example of a **compulsory field** - ..in decimal degrees..spatial reference...  
geodeticDatum....positive values...negative values... between -90 and 90  
inclusive *See discussion*

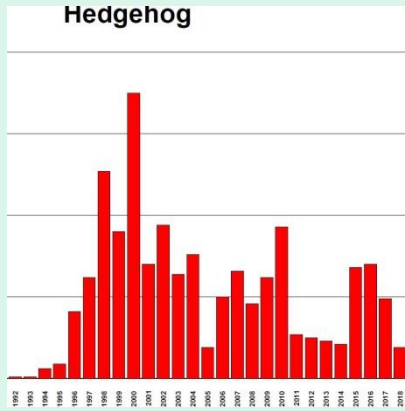
BRERC simply asks for  
the data



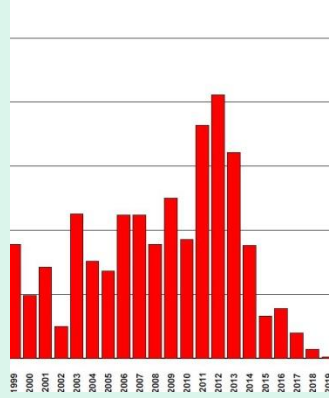
Data providers  
are sometimes  
not consulted  
as well as could  
be

***before*** Atlas  
developments  
take effect

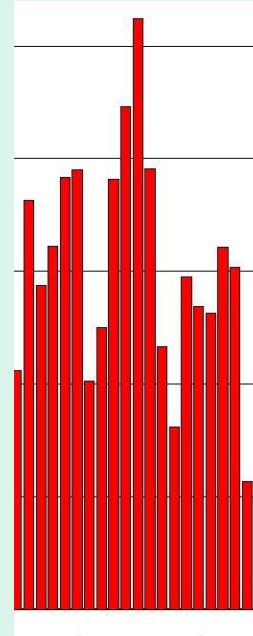




### Common Toad



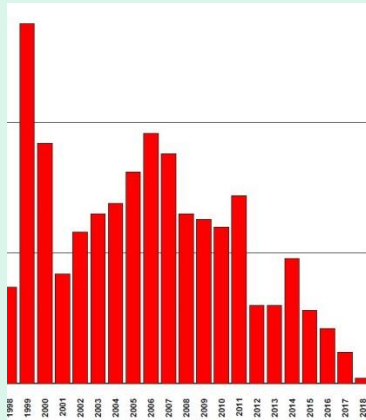
### All Mammals



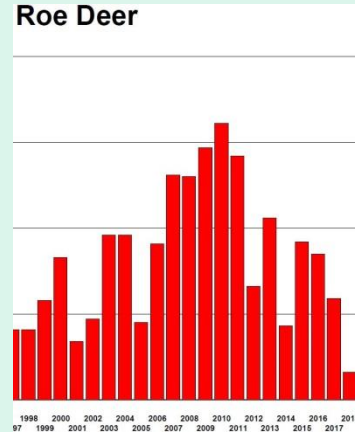
### Everything



### Banded Demoiselle



### Roe Deer



records in the BRERC database from  
the last 20 years



Nuisance Fox

...or beautiful  
Fox and loss of  
habitat with  
things in it



How rubbish are we?

## What could be done to improve things?

Realistic levels of investment and funding is top of my list



All to stop competing and increase cooperation

Make it easy

BRERC will say yes a bit more and be as helpful as we can

Acknowledge each other





