Croeso i Gymru

Welcome to Wales

Welcome to Wales

Snowdon and Llyn Padarn Snowdonia NP

Strumble Head Pemb NP

Sgwd yr Eira Brecon Beacons NP
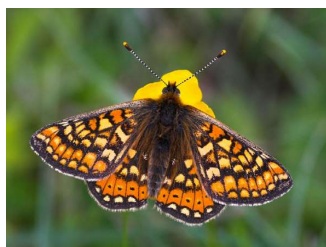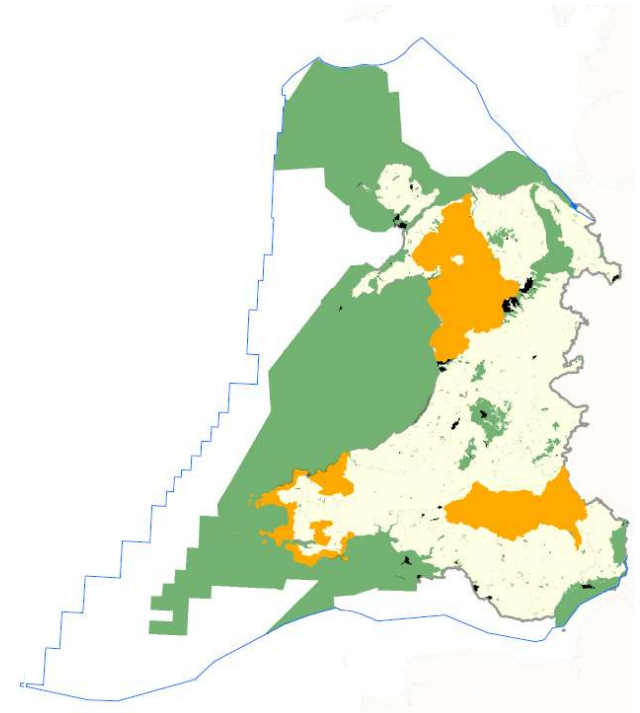
A Bold Step?

Building on the past to meet new approaches in Wales

Helen Wilkinson & Barnaby Letheren

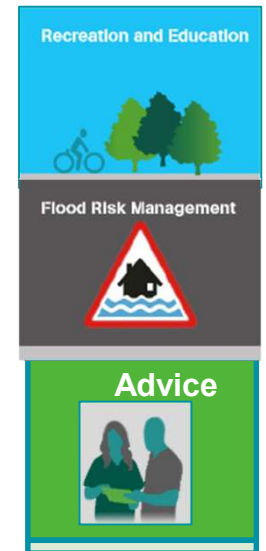**(Knowledge & Data Management)**

Natural Resources Wales

Established
April 2013

Purpose
Pursue the sustainable management of natural resources, and apply the principles of Sustainable Management of Natural Resources in the exercise of their functions

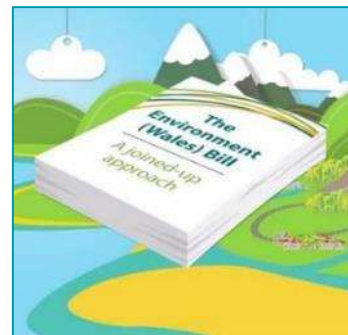Looking after our environment for people and nature

Cyfoeth Naturiol Cymru
Natural Resources Wales

Cyngor Cefn Gwlad Cymru
Countryside Council for Wales

Forestry Commission

Environment Agency

ada

Recreation and Education

Flood Risk Management

Advice

Managing Land

Regulation

Evidence and Reporting

Incident Management

New Legislation in Wales

May 2009

Apr 2015

Mar 2016

"what Wales is doing today, the world will be doing tomorrow"

Nikhil Seth, UN Director of Sustainability

Cyfoeth Naturiol Cymru
Natural Resources Wales

Wellbeing of Future Generations

Cyfoeth Naturiol Cymru
Natural Resources Wales
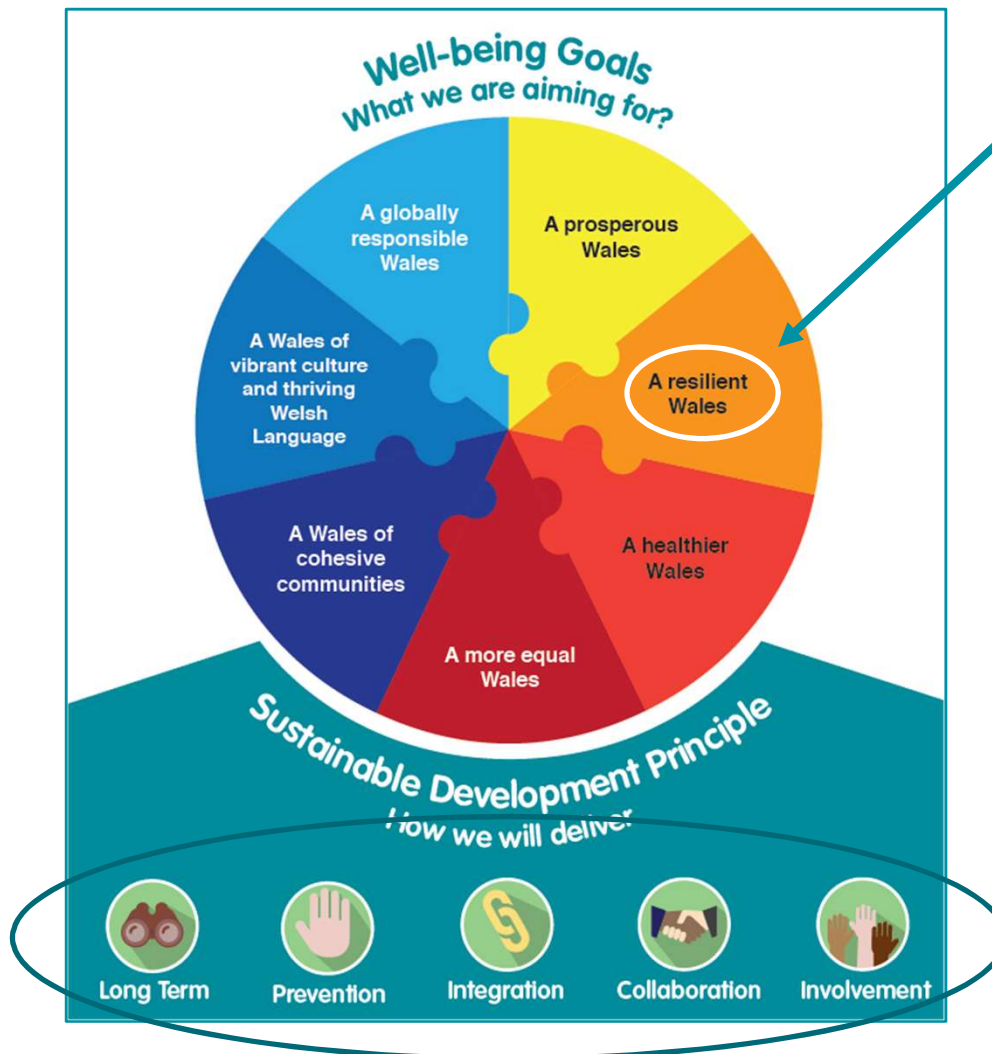
- Wellbeing goals
- Resilient Wales (biodiversity & ecosystem function)
- All public bodies contribute to achieving goals through Public Services Boards


Well-being Goals
What we are aiming for?

A globally responsible Wales

A prosperous Wales

A Wales of vibrant culture and thriving Welsh Language

A resilient Wales

A Wales of cohesive communities

A healthier Wales

A more equal Wales

Sustainable Development Principle
How we will deliver

Long Term Prevention Integration Collaboration Involvement

1. Wellbeing Assessment
2. Wellbeing Objectives
3. Wellbeing Plan

Environment Act

- All public bodies maintain and enhance biodiversity across all functions (resilience)
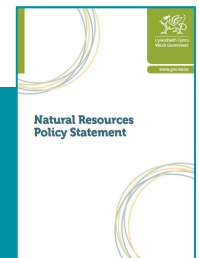- S 7 Species list

Sustainable Management of Natural Resources

Principles

Sep 2016
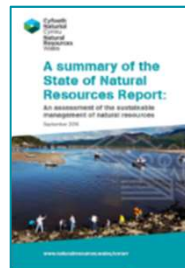
Aug 2017

1. National SoNaRR

2. National NRP

3. Local Area Statements

2019

A Bold Step "?"

Oko Laa Shutterstock.com

……Reflection: What's Been Achieved

Good foundation
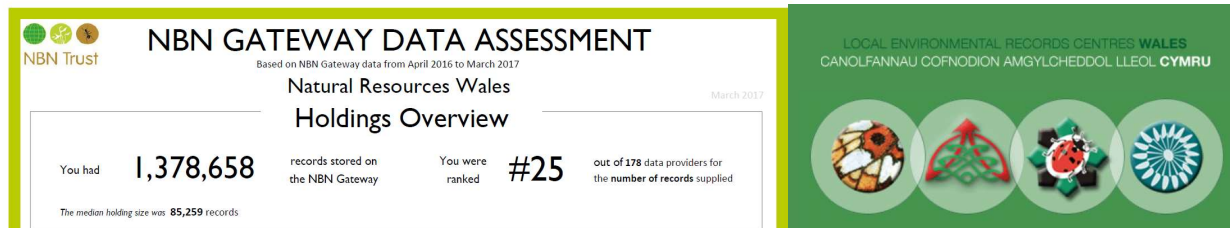

Wales Environmental Information Forum (WEIF)

Sharing Welsh environmental information
to benefit the environment & people
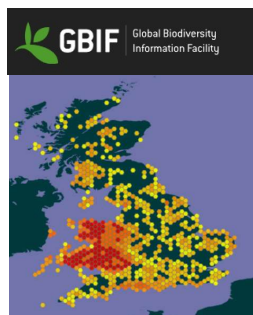of Wales, the UK and globally

NRW Contribution

NBN GATEWAY DATA ASSESSMENT
Based on NBN Gateway data from April 2016 to March 2017
Natural Resources Wales
Holdings Overview

March 2017

You had **1,378,658** records stored on the NBN Gateway

You were ranked **#25** out of **178** data providers for the **number of records** supplied

The median holding size was **85,259** *records*

LOCAL ENVIRONMENTAL RECORDS CENTRES **WALES**
CANOLFANNAU COFNODION AMGYLCHEDDOL LLEOL **CYMRU**

Last 12 months		1,536,542 records downloaded from 1,693 downloads.
Biosecurity management/planning	10 events	3,386 records
Citizen science	85 events	156,847 records
Collection management	7 events	2,076 records
Conservation management/planning	0 events	0 records
Ecological research	528 events	364,828 records
Education	299 events	102,954 records

Cyfoeth Naturiol Cymru
Natural Resources Wales

Policy

Open by default

GBIF Global Biodiversity Information Facility
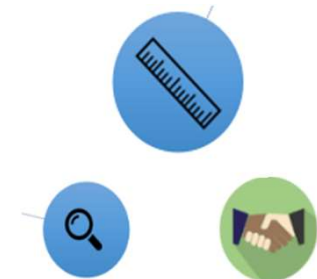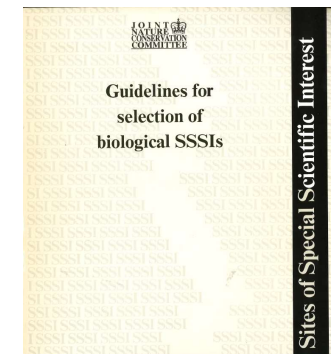
Lle
A Geo-Portal for Wales

Cymraeg

Search...

Catalogue
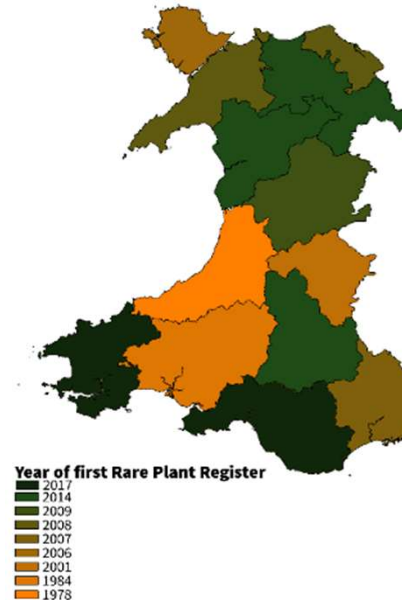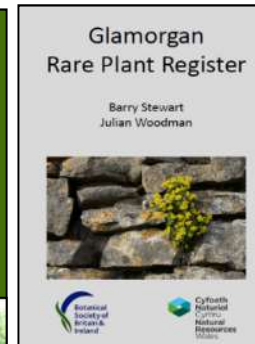
130 Results

County Rare Plant Registers

Cyfoeth Naturiol Cymru
Natural Resources Wales

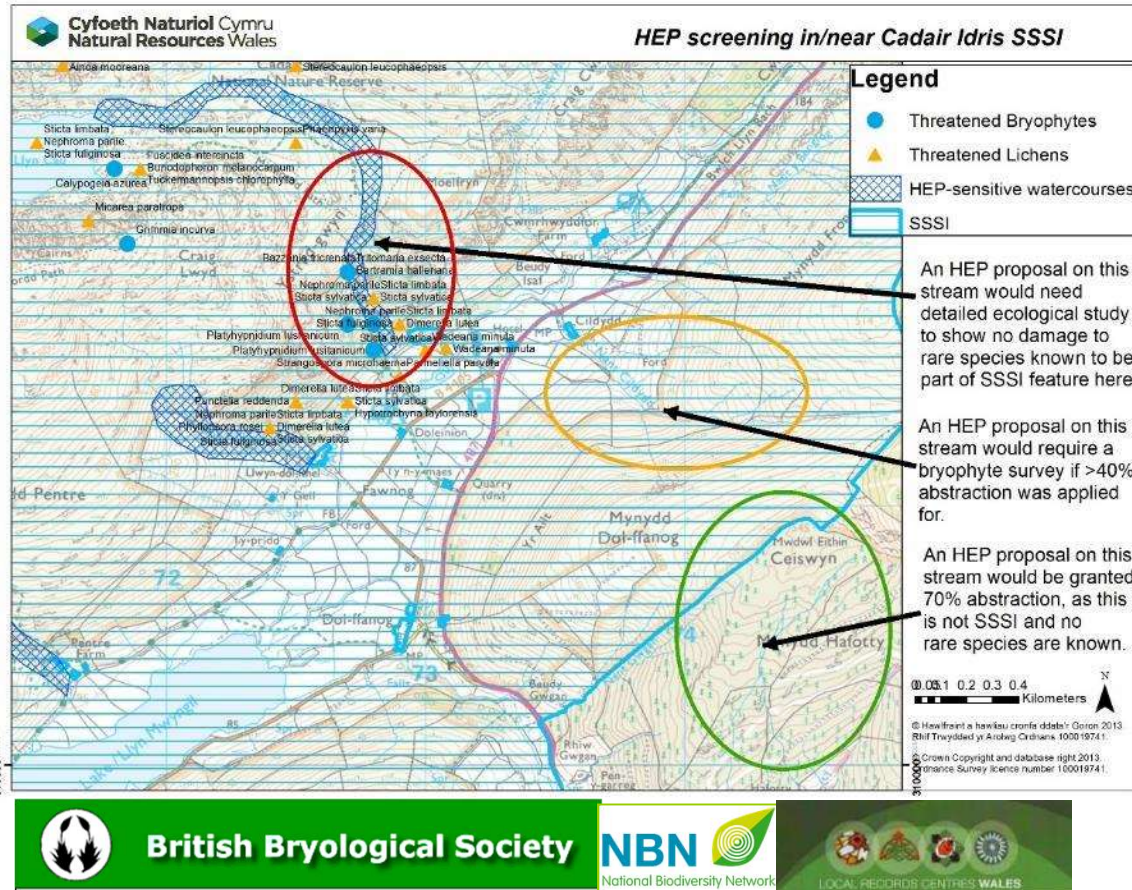Andy Jones
Julian Woodman

Botanical Society
of Britain & Ireland

Caernarfons Rare Plant Reg
T.D. Dines and W.C. Mc

Anglese Rare Plant Re
Ian Bonner
Hugh Knott

Denbighshire Rare Plant Register
Delyth Williams

The Rare Plants of Flintshire
Goronwy Wynne
Vice County Recorder
Botanical Society of the British Isles

Glamorgan Rare Plant Register
Barry Stewart
Julian Woodman

Merioneths Rare Plant Re
Sarah Stille

Cardigansh Rare Plant Re
Arthur O. Chate

The Rare Plants of Montgomeryshire
Kate Thorne and Gill Foulkes

CARMARTHENSHIRE RARE PLANT REGISTER
DAVID HUMPHREYS

Pembrokeshir Rare Plant Regis
Stephen Evans

CARMARTHENS RARE PLANT REGISTER
January 1999

Brecknockshire Rare Plant Register
John Crellin

Monmouthshire (VC35) Rare Plant Register
Stephanie J. Tyler
Elsa Wood

Year of first Rare Plant Register
- 2017
- 2014
- 2009
- 2008
- 2007
- 2006
- 2001
- 1984
- 1978

JOINT NATURE CONSERVATION COMMITTEE

Guidelines for selection of biological SSSIs

Sites of Special Scientific Interest

Hydropower Guidance

Sam Bosanquet

So far…

Cardiff Public Services Board
**Well-being Assessment
Summary**
March 2017

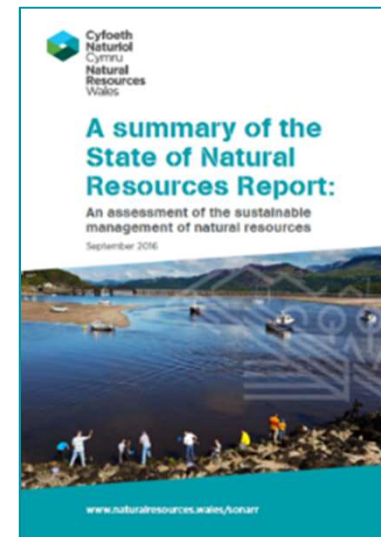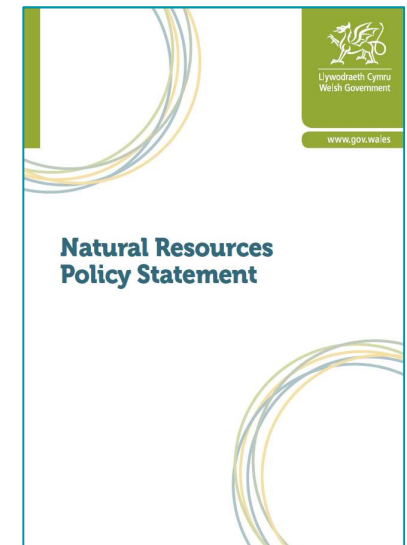**Relevant NRW Wellbeing Goals**

- **Champion the Welsh environment** and sustainable management of Wales' natural resources
- Ensure **land and water** in Wales is managed sustainably and n an integrated way
- Improve the **resilience** and quality of ecosystem

First report on resilience

Nature based solutions

… How data can support SMNR

How does (will/should) data support the Sustainable Management of Natural Resources?

Our data and information vison:

NRW will be a truly evidence based organisation with our evidence underpinned by good data and information. Staff and stakeholders confidently and effectively use our data and information to sustainably manage the natural resources of Wales.

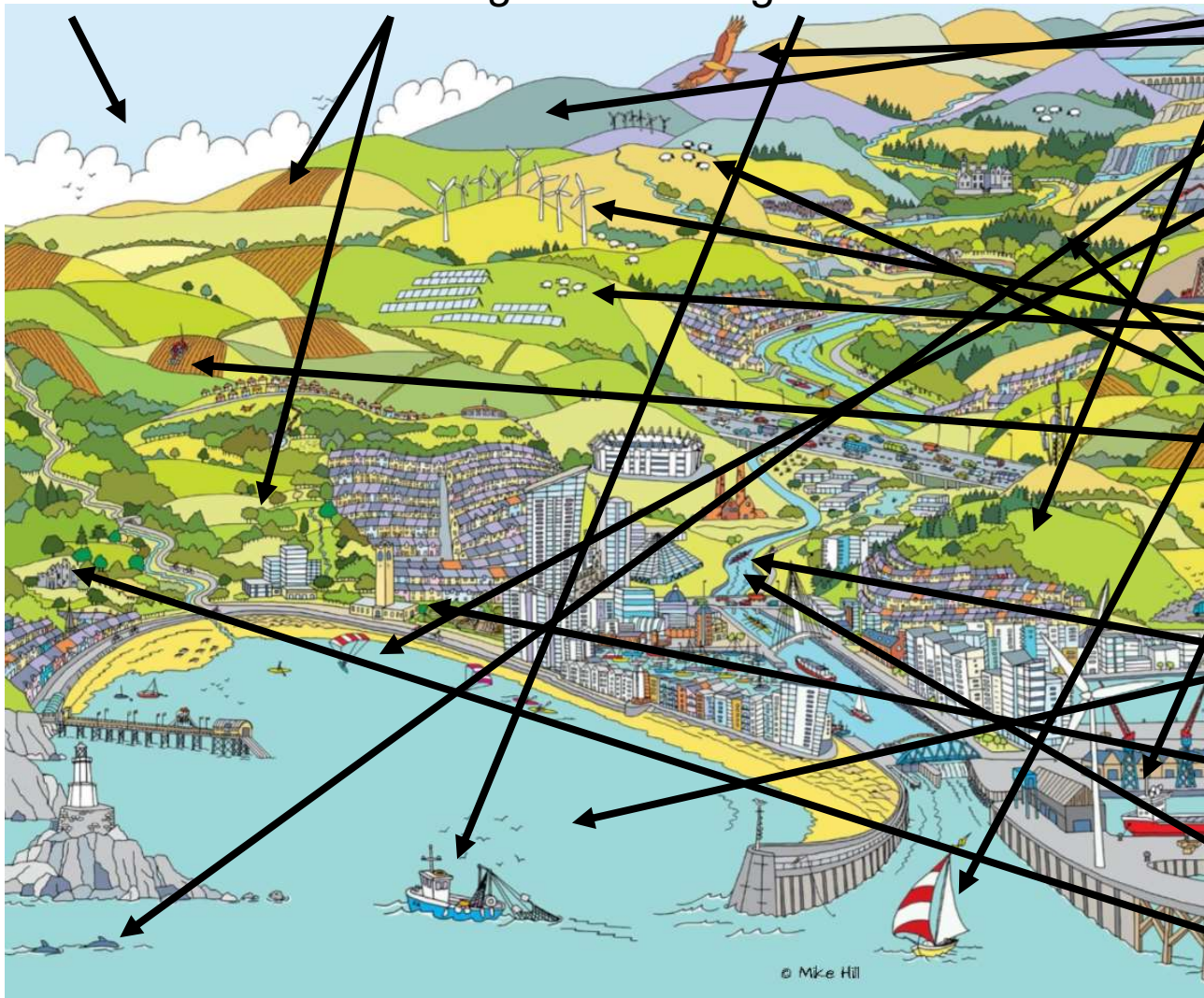**"Any decision taken in the absence of good data is basically just a guess"**
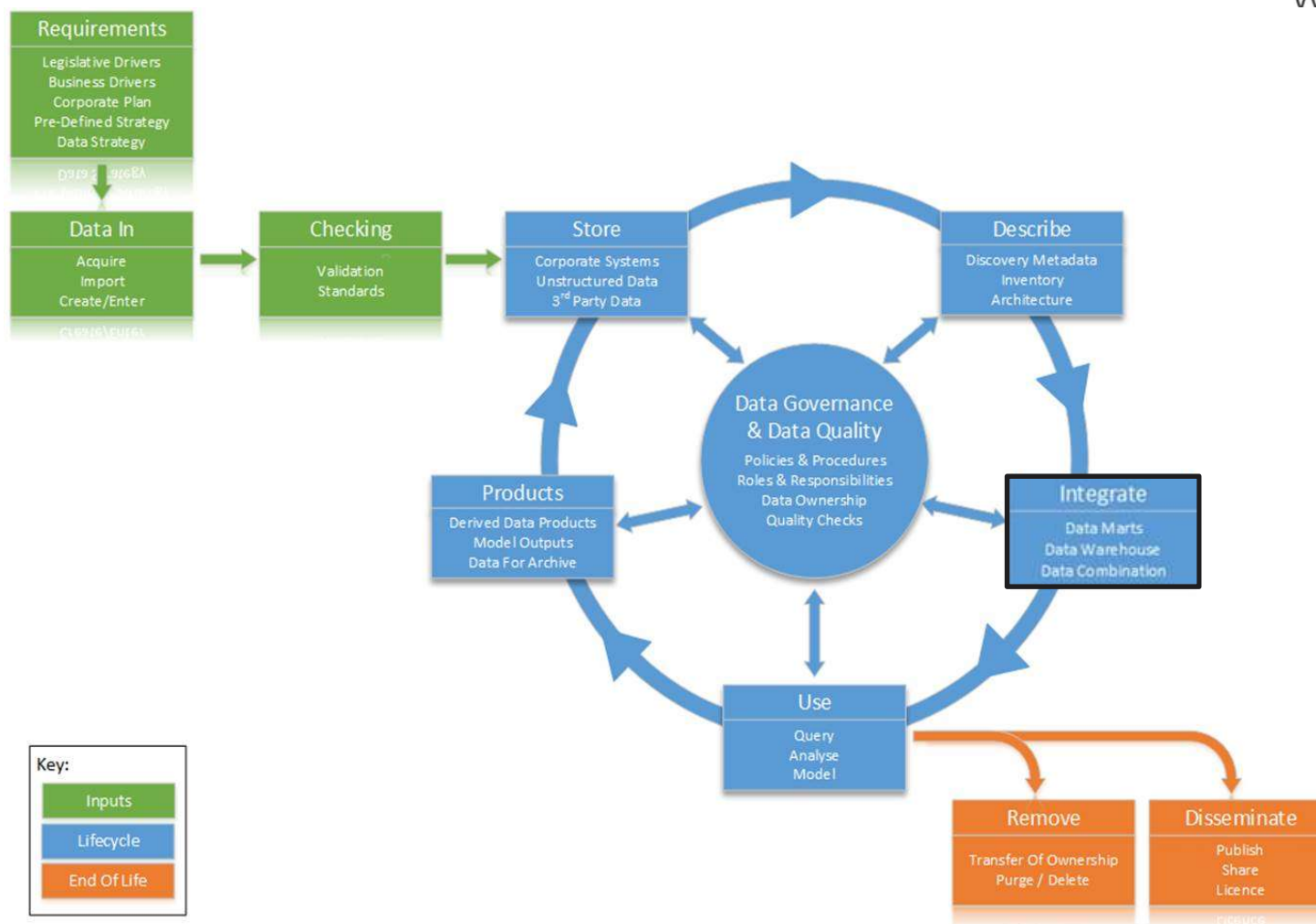
What do we need data about?

42

Barny Letheren

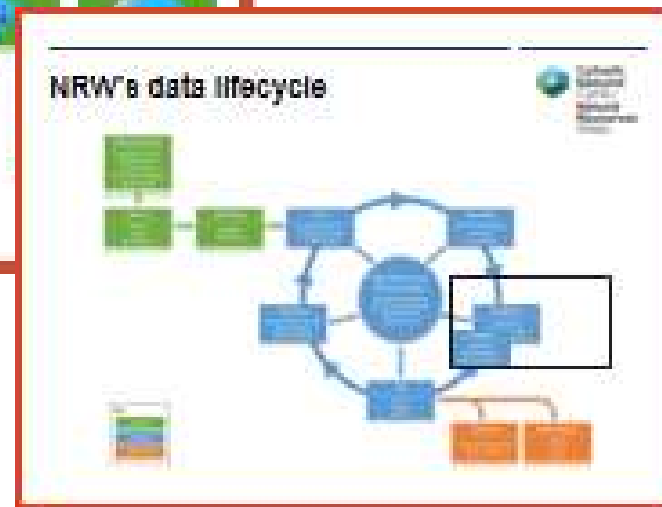# What do we use data for?

NRW's data lifecycle

So we need **data** on all of these things

So we can **do** all these things

By **integrating** all this data
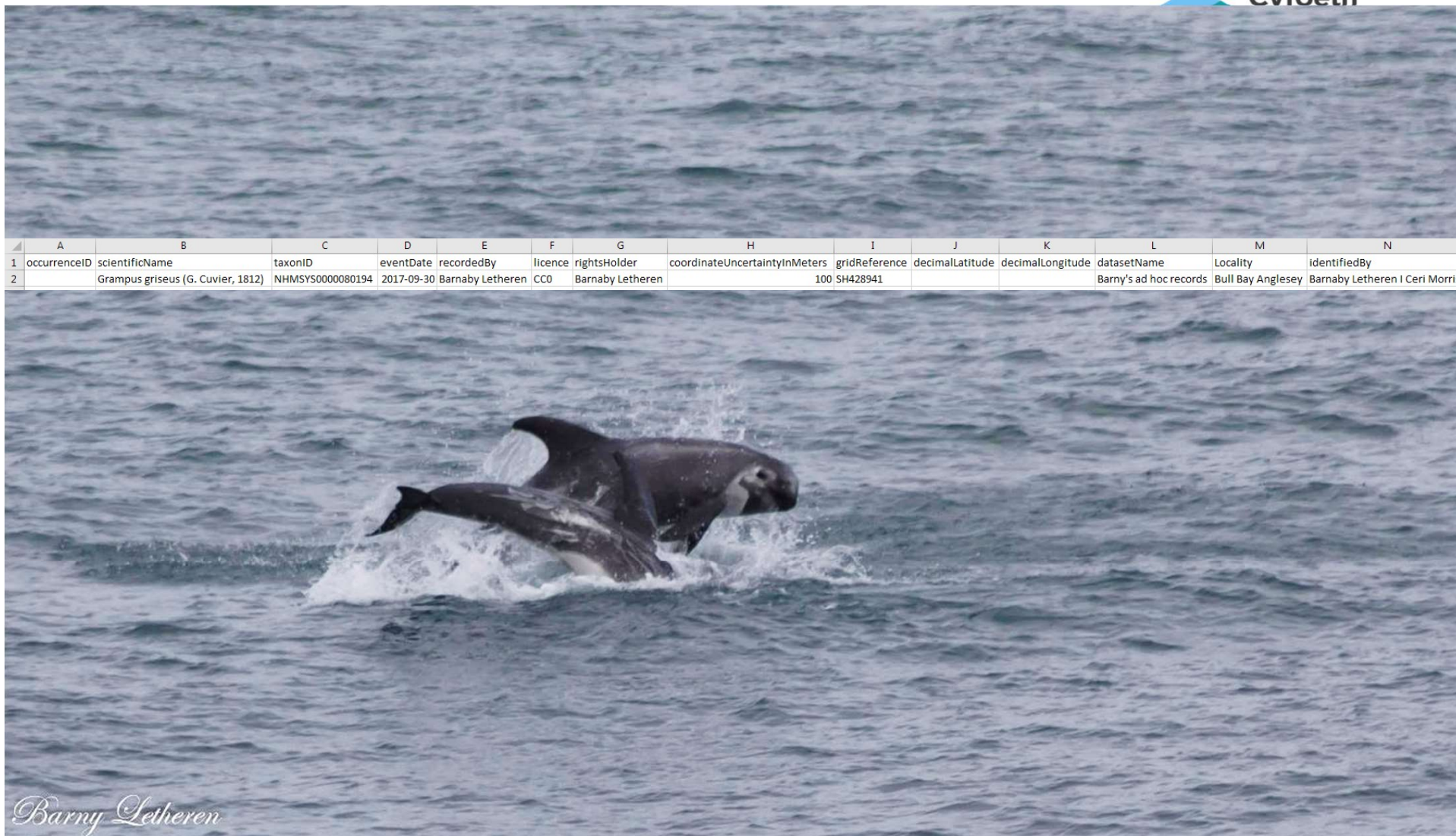
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	occurrenceID	scientificName	taxonID	eventDate	recordedBy	licence	rightsHolder	coordinateUncertaintyInMeters	gridReference	decimalLatitude	decimalLongitude	datasetName	Locality	identifiedBy
2		Grampus griseus (G. Cuvier, 1812)	NHMSYS0000080194	2017-09-30	Barnaby Letheren	CC0	Barnaby Letheren	100	SH428941			Barny's ad hoc records	Bull Bay Anglesey	Barnaby Letheren I Ceri Morris

Barny Letheren

Thank you for listening

Any questions?