

NBN Scotland Better Biodiversity Data Dàta Bith-iomadachd nas Fheàrr







2022 - 2027

The National Biodiversity Network Trust's Strategy







AMBITION 1

The NBN Atlas is the 'go to' place for sharing, finding and accessing UK biodiversity data.



AMBITION 2

Biodiversity data is providing the evidence needed for nature's recovery.



AMBITION 3

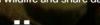
Citizen science is valued, supported and expanded as a major source of biodiversity data.



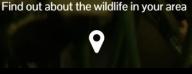
AMBITION 4

The National Biodiversity Network is a well-connected and highly collaborative community with a united voice on key issues.

Search the NBN Atlas











THE NBN ATLAS SCOTLAND

The NBN Atlas Scotland is a portal of the NBN Atlas, a collaborative project that aggregates biodiversity data from multiple sources and makes it available and usable online. It is the country's largest collection of freely available biodiversity data.

36,573,919

Occurrences

28,108

Species

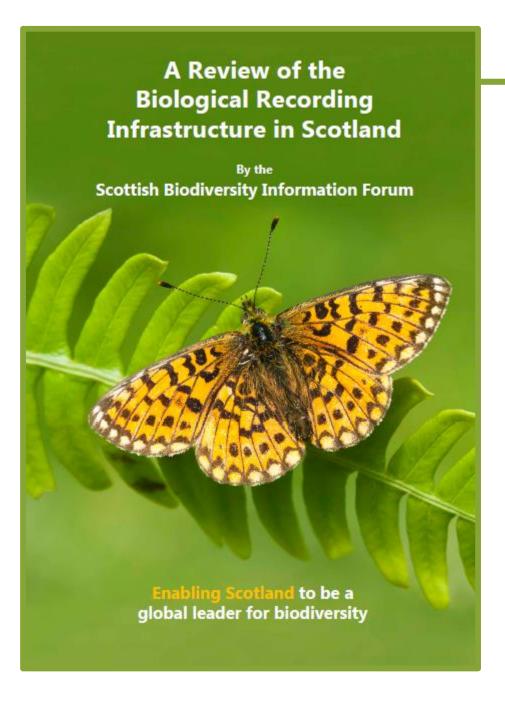
628

Datasets

122

Data partners





SBIF RECOMMENDATIONS



TRANSFORMED DATA FLOWS with clear data links to the NBN Atlas Scotland, with easy data submission and feedback channels.



TRANSFORMED SERVICE PROVISION with full coverage across Scotland designed for added value, accessibility and inclusivity.



TRANSFORMED FUNDING with long-term funding secured for coordinating body, keystone organisations, and wider recording community.



TRANSFORMED STRUCTURE AND CULTURE with a lead coordinating body, working in partnership with a network of Regional Hubs and Local Service



TRANSITION BY 2030 with a shared implementation plan to maintain the momentum of the SBIF recommendations.

Tackling the nature emergency

Consultation on Scotland's Strategic Framework for Biodiversity



We are in the midst of a biodiversity crisis. beyond doubt: nature is declining fast. It is a million species across the world are at threathere in Scotland, nearly half of our species in abundance and 11 per cent are under the Nature has an intrinsic value, but its completabundance of life is also central to our surviour economy, jobs, health and wellbeing de Restoring biodiversity is crucial in tackling the

and tackling the climate crisis will be essential for restoring biodivers world, ocean and land ecosystems remove about 50 per cent of the emissions that are produced by us each year.

The Scottish Government is committed to restoring Scotland's natural and supporting thriving communities and wildlife alike. In December published our draft Scottish Biodiversity Strategy, setting out our cle Scotland to be Nature Positive by 2030 and to have restored and repositive by 2045. The Strategy was published in draft form to allow incorporate the outcomes from COP15 and meet our international of



Code	Develop effective species recovery, reintroduction and reinforcement programmes
→	 Develop effective species recovery, reintroduction and reinforcement programmes drawing on partnership work on Species at Risk prioritisation, Species on the Edge programme, and evaluation of drivers. For example, continue to support and build upon existing strategies and schemes to protect and expand populations of species such as capercaillie, red squirrel, sea eagle, golden eagle and Eurasian beaver.
	 Develop and implement national plans for conserving species groups for which Scotland holds internationally important populations such as lichens, bryophytes, freshwater pearl mussels, and wetland waders.
←	 Undertake measures to reduce human pressures to give habitats and species (especially specialists; arctic/alpine) more chance of surviving and improve the status of red listed species in Scotland.
+	 Map genetic diversity risks across Scotland and ensure mitigating genetic diversity risks across Protected Areas and OECMs are included within Biodiversity Action Plans to reduce risks in protected areas by 2030.
†	 Raise public awareness of science and practice around conservation translocations through public engagement by 2030.
↑	 The Better Biodiversity Data project will develop and build upon the first steps in a strategic approach to the collection, collation and sharing of biological data across Scotland; use of citizen science for monitoring key species will increase.
	Support surveillance and monitoring to manage pathogens and disease risks.





- ➤ BBD project 2023-2025

 Will support the ambitions of the Scottish Biodiversity Strategy, by securing access to the data needed to set targets and measure progress.
- ➤ BBD is led by the NBN Trust in partnership with NatureScot, the Scottish Government, and the Scottish Biodiversity Information Forum Advisory Group (SBIF-AG).
- > BBD will develop a fit-for-purpose infrastructure facilitating biodiversity data services across Scotland.



Objective one

A nationwide partnership providing biodiversity data services on behalf of Scotland.

Objective two

A fit-for-purpose Data Management and Digital Services System, providing financially sustainable value-added services to users.

Objective three

A connected functional biodiversity data community and infrastructure, following FAIR and Open Data principles, across all sectors.

LERCs and Recording Groups





The Wildlife Information Centre









Outer Hebrides Biological Recording









Wider partner engagement

















































Royal **Botanic Garden** Edinburgh









Dundee Botanic Garden University of Dundee



















OBJECTIVE

OBJECTIVE ONE

A nationwide partnership providing biodiversity data services on behalf of Scotland.

SOLUTION

CREATION of a body of National, Regional and Local biodiversity data service providers.

OUTCOME

New Consortium

Co-operative of members providing biodiversity services under National and Local Service Agreements.







Consultation on future Consortium Options A new Biodiversity Services Cooperative for Scotland

Objective one

A nationwide partnership providing biodiversity data services on behalf of Scotland.











Suzanne
Orchard
Scottish
Enterprise/CDS



Aaron
Hirtenstein
CDS
Practioner



Jaye
Martine
CDS
Practioner



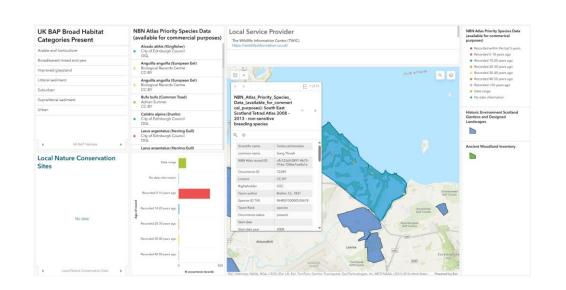
Deb MuscatAssociation of Local
Environmental Records Centres

Kristen Roberts Freeths



Providing a national level of biodiversity services GIS Dashboards for NBN Atlas data

- NBN Atlas data visualised through a GIS
 Dashboard with spatial data in an interactive map.
- Ability to QUERY DATA and ACCESS META-DATA.
- SIGNPOST to other data sources and data providers.
- Adaptable for local service delivery.





OBJECTIVE

OBJECTIVE TWO

Data Management and Digital Services System, providing financially sustainable valueadded services to users.

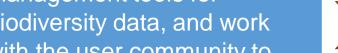
SOLUTION

ASSESS existing management tools for biodiversity data, and work with the user community to System that serves their

OUTCOME

MULTI-TENANT

DATABASE in the Cloud, with up-to-date User-Interface and access to open community Service Facilities.



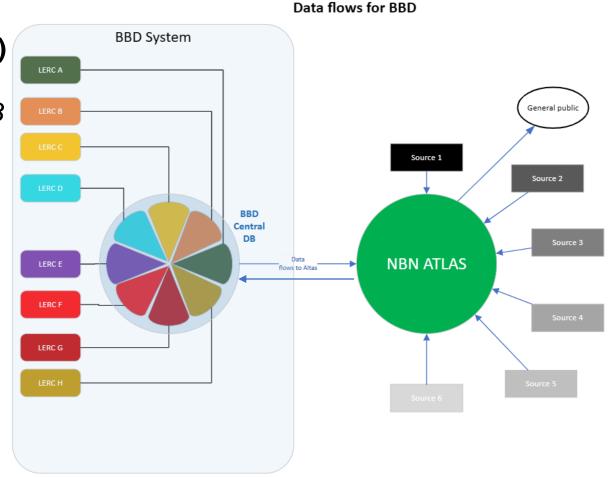
inform a new secure online





Developing Business Options and Requirements A new Biodiversity Data Management and Digital Services System

- First rounds of Core Partner (LERCs, RGs) requirements consultations:
 - Round 1 September to November 2023
 - Round 2 December to February 2024
 - Round 3 May 2024
- Business Case Options Report for the development approach of the system
 - Development of a new system using the Recorder 6 data model
- System development and testing (October 2024 March 2025)





OBJECTIVE

OBJECTIVE THREE

A biodiversity data community and infrastructure, following FAIR and Open Data principles, across all sectors.

SOLUTION

MAP THE DATA FLOW

pathways and practices in Scotland (and beyond) to understand bottlenecks and barriers across sectors.

OUTCOME

SYSTEMATIC DEPICTION

of data collectors, aggregators and users, and updated picture of actions needed to continue to tackle SBIF Recommendations.

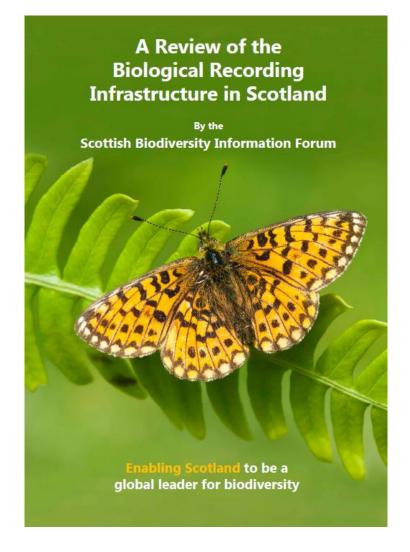






BBD Supports the SBIF Advisory Group

Updating the 2018 SBIF Recommendations and aligning with future policy implementation





- NBN Trust & BBD
- SBIF-AG
- NatureScot
- Scottish Government



- 2024 update on reworded SBIF Recommendations
- Highlight the transformative work of the **BBD** project
- Alignment with the **Scottish Biodiversity Strategy** Delivery Frameworks
- Advocate for the actions needed across sectors to support the delivery of SBIF Recommendations



BBD Exhibition Event - Holyrood Sept 17-19, 2024

Arianne Burgess MSP (Green Party)

Focus on Biodiversity
Data Stories (incl. Display
Materials and Online
StoryMaps)

Meeting with Acting Cabinet Secretary on the 2030 Vision

Stories featured at the exhibition include:

Project Puffin and the 'Puffarazzi'

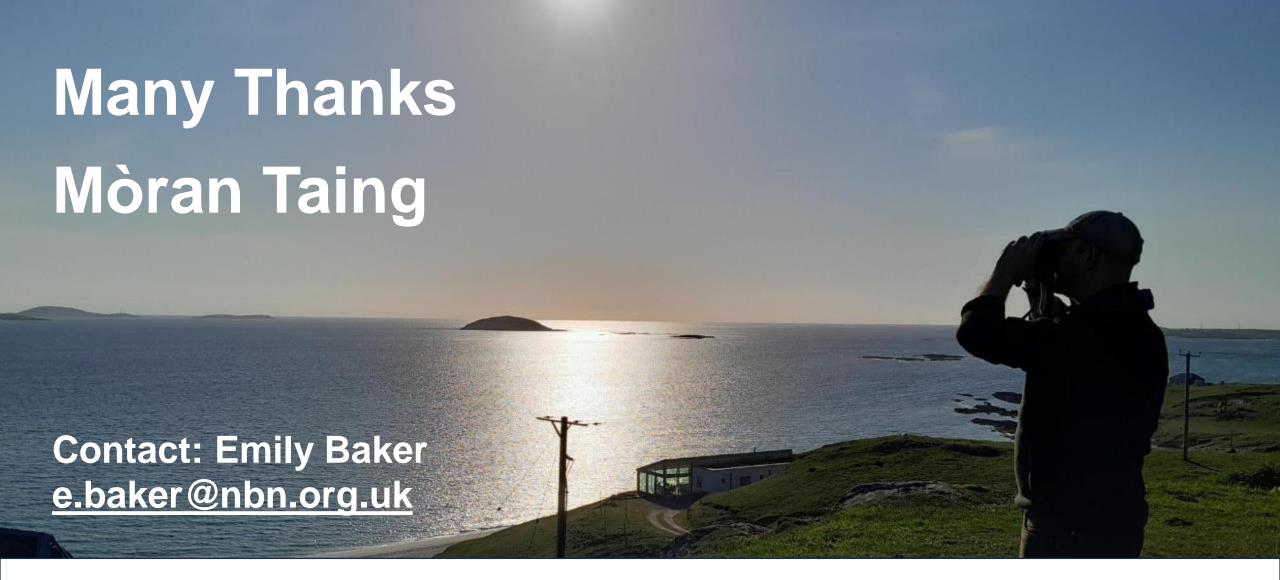
Species on the Edge

Saving Scotland's Red Squirrels

Deer Vehicle Collision project

Restoration Forth













NBN Scotland Better Biodiversity Data Dàta Bith-iomadachd nas Fheàrr



