NBN Atlas Scotland: update

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NBN Atlas model

Pilot project

Single database and main portal

Country portals

NBN atlas

Future NBN Atlas portals...
What is Scottish about the NBN Atlas Scotland?

Many Data Partners contribute data to the NBN Atlas Scotland.

Search the NBN Atlas Scotland.

NBN ATLAS SCOTLAND STAKEHOLDER DAY
Read more and book to attend the engagement day.

VIEW NBN ATLAS DATA PARTNERS
Find out who provides data to the NBN Atlas.

EXPLORE YOUR AREA
Search the Atlas for information about a place.

HELP WITH USING THE NBN ATLAS
Get help from the NBN Atlas Documentation Portal.
What is Scottish about the NBN Atlas Scotland?

Select a habitat to explore

- Grasslands and lands dominated by forbs, mosses or lichens
- Hedgerows
- Blanket bog complexes
- Temperate thickets and scrub
- Woodland, forest and other wooded land
  - Mixed deciduous and coniferous woodland
  - Coniferous woodland
    - Nemoral bog conifer woodland
    - Pinus sylvestris woodland south of the taiga
    - Highly artificial coniferous plantations
  - Exotic woodland and scrub
    - Broadleaved deciduous woodland
    - Meso- and eutrophic Quercus, Carpinus, Fraxinus, Acer, Tilia, Ulmus and related woodland
    - Broadleaved swamp woodland
    - Acidophilous Quercus-dominated woodland
    - Non-riverine woodland with Betula, Populus tremula or Sorbus aucuparia
  - Marine habitats
  - Coastal habitats
  - Inland surface waters
  - Arable land and market gardens
    - Mixed crops of market gardens and horticulture
    - Cultivated areas of gardens and parks
    - Atlantic pastland
    - Constructed, industrial and other artificial habitats
    - Montane habitats
    - Raised and blanket bogs

About these habitats

These habitats are derived using the EUNIS Land Cover Scotland geospatial layer provided by Scottish Natural
DATA PARTNERS
Learn about, be inspired by, and join the organisations contributing information to this atlas.
Follow these links to learn about our Atlas Data Partners or scroll through to find more.

Scottish Environment Protection Agency
Protecting and improving Scotland’s environment

Lorn Natural History Group
Biological Records Centre for vice-county 98, Main Argyll

The Wildlife Information Centre
TWIC is the BRC for the Lothians, Scottish Borders & part of Central Scotland.

British Dragonfly Society Recording Scheme
Working to conserve dragonflies and their wetland habitats
Through partnerships and collaborations, Scotland's environment web is a growing network of interconnected, trusted and authoritative sources of environmental, data and information – find out more.
Scotland accounts for 11.2% of the records in the NBN Atlas.
Search by species

Search by site

Search by location
Vipera berus (Linnaeus, 1758)

ADDER

3,275 presence records (3,357 in total)
This map contains both point- and grid-based occurrences at different resolutions
Step 1

**Occurrence records**
A ZIP archive containing a comma separated values (CSV) file which includes a subset of location, taxon and event information.

- **File name**: Eriskay records
- **Download format**: Full Darwin Core
- **Output file format**: CSV

**Species checklist**
A comma separated values (CSV) file, listing the distinct species in the occurrence records result set.

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Step 2

Select your download reason and then click the 'Next' button.

- **Industry/application**: testing
- **Accept licencing**: This field is mandatory. I understand and accept that any CC-BY-NC licenced records included in the download must not be used for commercial purposes without the permission of the data provider and all data providers will be acknowledged as required. Breach of the licence conditions may result in you being issued with a fixed charge notice.

NEXT
Red kangaroo: predicted probable distribution using species distribution modelling
NBN Atlas Documentation and Help Portal

Getting Started
Here you can find some quick links to help you start with registering for and using the NBN Atlas
- How to register
- Create an account
- Login
- Step by Step Help Guides
- "How to" video tutorials

Use data
Guidance on how to use the data on the NBN Atlas and some important definitions relating to use.
- General guidance for using data
- Definitions of data licences
- Breach of licence conditions
- Definition of commercial and non-commercial use
- How to cite NBN Atlas data
- NBN Atlas Terms of Use

Share data
Information on how you can share your data with the NBN Atlas and guidance for doing so.
- Become a data partner
- Share species occurrence records
- Share species occurrence records with GBIF
- Share species images
- Supply spatial datasets
- Guidance for adding historic data
- Who are our data partners
Key developments

• Implementing Level 1 and 2 verification status flags on records
  ➢ Level 1: ‘accepted’ or ‘unconfirmed’ mandatory
  ➢ Level 2: ‘accepted – correct’, ‘accepted – considered correct’, ‘unconfirmed – plausible’ or ‘unconfirmed – not reviewed’ optional

• Presence and absence statuses for each record and clarity on record counts

• Improving the visibility of licences associated with records and in particular the CC BY-NC licence

• Updating the UK Species Inventory dictionary
Developments: immediate future

- Further work towards sensitive species access but funding is still a limitation to progress
- Developing record level commenting functionality
- Testing an automated record export from iRecord to the Atlas
- Expect first outputs from collaborative project to explore the feasibility of automating the harvesting of spatial layers
INNS search
Non-native species determined by the GBINNSIP list of the UK species inventory

REFINE RESULTS
Species list
- WCA 1981 Schedule 9 (113)
- NRW Sustainable Management of Natural Resources (SMNR) (109)
- INNS - Wales Priority Species for Action (49)
- EU Invasive Alien Species Regulation (45)

More
- Welsh marine risk assessment
- Welsh marine risk monitoring: medium (12)
- Welsh marine risk surveillance: high (11)
- Welsh marine risk monitoring: high (6)

Priority species for Wales
- Long-term management (23)
- Prevention (15)
- Management (11)

Kingdom
- Animalia (119)
- Plantae (73)

Results
Showing 1 - 20 of 205 results
Results per page: 20
Sort by: scientific name
Sort order: ascending

species: *Acaena novae-zelandiae* Kirk – Cyngaf Piripiri
Cyngaf Piripiri, Pirî-Pirî-Blur, Pirî-Pirî Blur, Pirî-Pirî
Taxon group: flowering plant
Establishment status: GB Establishment Status - Established
Priority species for Wales: Management
Habitat: terrestrial
Occurrences: 12

species: *Agrilus planipennis* Fairmaire, 1888 – Emerald Ash Borer
Taxon group: insect - beetle (Coleoptera)
Establishment status: GB Establishment Status - Absent
Habitat: terrestrial
Occurrences: 0

species: *Aix galericulata* (Linnaeus, 1758) – Mandarin
Mandarin, Mandarin Duck, Hwyladen Gribog, Hwylaid Cebog
Taxon group: bird
Aix galericulata (Linnaeus, 1758)
MANDARIN DUCK

species  Accepted  Name authority: UKSI  Establishment means: Non-native  Establishment status: GB Establishment Status - Established

Overview  Gallery  Names  Classification  Records  Literature  Sequences  Data Partners

1,825 presence records (1,825 in total)

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

Verification status:
- Unconfirmed
- Accepted

Analyse data  Interactive map  View records
Your role today......

• help us to understand your use of the Atlas so that the Atlas becomes relevant for you and your work
• suggestions for future development and why:
  • is it improvements to visualisation or navigation?
  • is it search refinements and functionalities?
  • is it making the Atlas more Scottish?
  • is it improving communication?
The SBIF Review of the Biological Recording Infrastructure in Scotland

- The Recommendations to improve our infrastructure are still being crafted.
- Timing and implications of change are unknown.
- However it is clear that data sharing will continue and we will need to continue to build our understanding of our data community.
- The NBN is fully supportive of the Review and we await its outcome ....
Thanks for listening!