

Services and functions of national biodiversity portals





Approaches to biodiversity portals

- **Information portal** – to facilitate the implementation of the national biodiversity strategies (CBD-CHM)
- **Datasets portal** – to support the EU Directive on the re-use of public sector information
- **Data portal** – to provide biodiversity data (facts) to science and society
 - **International data portal** –community, thema or project based
 - **National data portal**
 - **National thematic** – e.g. a national flora
 - **Institutional**
- **Citizen science portal** – for reporting observations
- **Analysis portal** – to perform data calculations and analysis
- **Reporting portal** – compiled reports and infographics



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Arctic Biodiversity Data Service

<https://www.abds.is/>

Bulgarian Biodiversity Portal

<http://chm.moew.government.bg/>

iDiv Biodiversity Data Portal

<https://idata.idiv.de/>

Portal diversity

Flora of Cyprus Portal

<http://www.flora-of-cyprus.eu/>

<http://www.flora-of-cyprus.eu/>

Swedish Lifewatch Analysis portal

<https://www.analysisportal.se/>

GBIF France Portal

<http://portail.gbif.fr/>



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European data portals

EUBON European biodiversity portal <http://biodiversity.eubon.eu/>



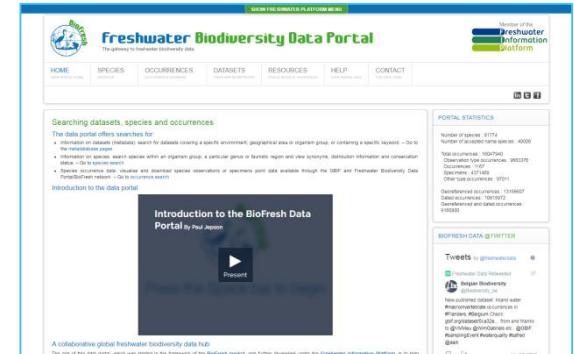
The EUBON European biodiversity portal is a web-based platform for sharing ecological datasets. It features a search bar for specimens and observations, a 'Unit of the day' image, and a sidebar with links to essential biodiversity variables, citizen science, test sites, and aquamaps.

Biological Collection Access Service <http://search.biocase.org/europe>



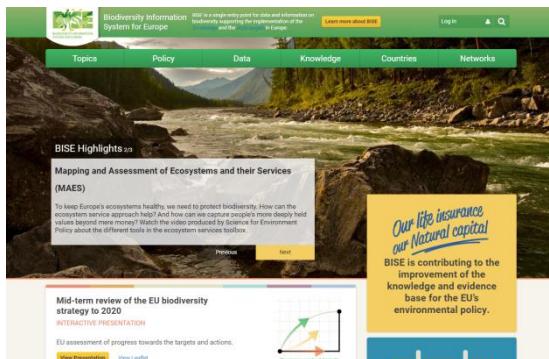
The BioCASE Biological Collection Access Service for Europe provides access to biological collection data. It includes a search function for specimens and observations, a 'Unit of the day' feature, and a detailed footer with contact information for BioCASE.

Freshwater Biodiversity Data Portal <http://data.freshwaterbiodiversity.eu/>



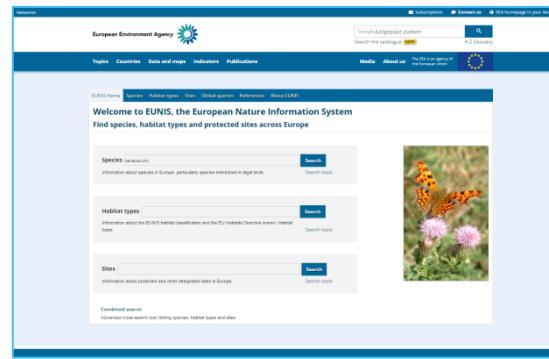
The Freshwater Biodiversity Data Portal is a member of the BioFreshader Information Platform. It offers a search function for datasets, species, and occurrences, along with various filters and a video introduction to the portal.

Biodiversity Information System for EU <https://biodiversity.europa.eu/>



The BISE (Biodiversity Information System for Europe) highlights the importance of ecosystem health and the Mid-term review of the EU biodiversity strategy to 2020. It includes sections on MAES (Mapping and Assessment of Ecosystems and their Services) and the role of BISE in providing evidence for environmental policy.

European Nature Information System <https://eunis.eea.europa.eu/>



The European Nature Information System (EUNIS) provides information on species, habitat types, and protected sites across Europe. It includes a search function for species, habitat types, and sites, as well as a butterfly image in the sidebar.

national data portal discovery



biodiversity data france

Alle Afbeeldingen Maps Nieuws Video's

Ongeveer 838.000 resultaten (0,41 seconden)

France - GBIF

<https://www.gbif.org/country/FR/summary> ▾ Vertaal deze pagina
GBIF France's missions are to: collect metadata on primary biodiversity data from French institutions and connect data to the GBIF network using GBIF standards, ...

GBIF France launches new national data portal

<https://www.gbif.org/.../gbif-france-launches-new-national-data-portal>
29 mei 2015 - GBIF France has launched the Atlas of Living France, a new data portal providing access to more than 17 million biodiversity data records ...

CONSULTER LES 17 566 251 OCCURRENCES

Nom scientifique:

Recherche avancée

LES COLLECTIONS © Sophie Pommelon

148 JEUX DE DONNÉES © Sophie Pommelon

PORTEL SPATIAL © Sophie Pommelon

Informations sur les collections françaises sur la biodiversité. Vous retrouvez la description, les contacts et autres informations relatives aux collections.

Accès aux données d'occurrences et informations sur les jeux de données publiés par les institutions partenaires participant au GBIF (licence, citation, etc.).

Exploration des occurrences géo-référencées (en cours de construction).

Accéder aux jeux de données

Explorer les occurrences

ng France, a new data portal providing access to more than 17 million biodiversity data records ...

Atlas of Living Australia - demo

This is a landing page with links through to the components now installed on this server.

This demo was installed using ansible scripts that are available [here](#).

Occurrence store

The occurrence store should now be setup. This application consists of 3 web applications now running in Tomcat:

- Occurrence search - Reskinnable front end UI
- Explore your area - Reskinnable front end UI
- Web services
- Apache SOLR

There is also a command line tool now installed that can be started with the command "biocache". This tool can be used for loading data and running processes across the data.

Further information

As part of the installation the following tools are installed:

- Apache Cassandra

Cassandra can be accessed directly using the command-line tool `cassandra-cli`.

Collectory

The collectory is now setup and installed. This is an application for editing metadata for collections, institutions and data resources.

- Collections browser
- Datasets browser
- Web services
- Admin interface

Further information

As part of the installation the following tools are installed:

- MySQL

MySQL can be accessed directly using the command-line tool "mysql".

Sandbox

The sandbox can be used to quickly load a dataset into the occurrence store for visualisation. There is support for loading CSV data.

- Front end UI

countries with portals



33%

17 from 51 countries
have a national portal

GBIF participant countries



60%

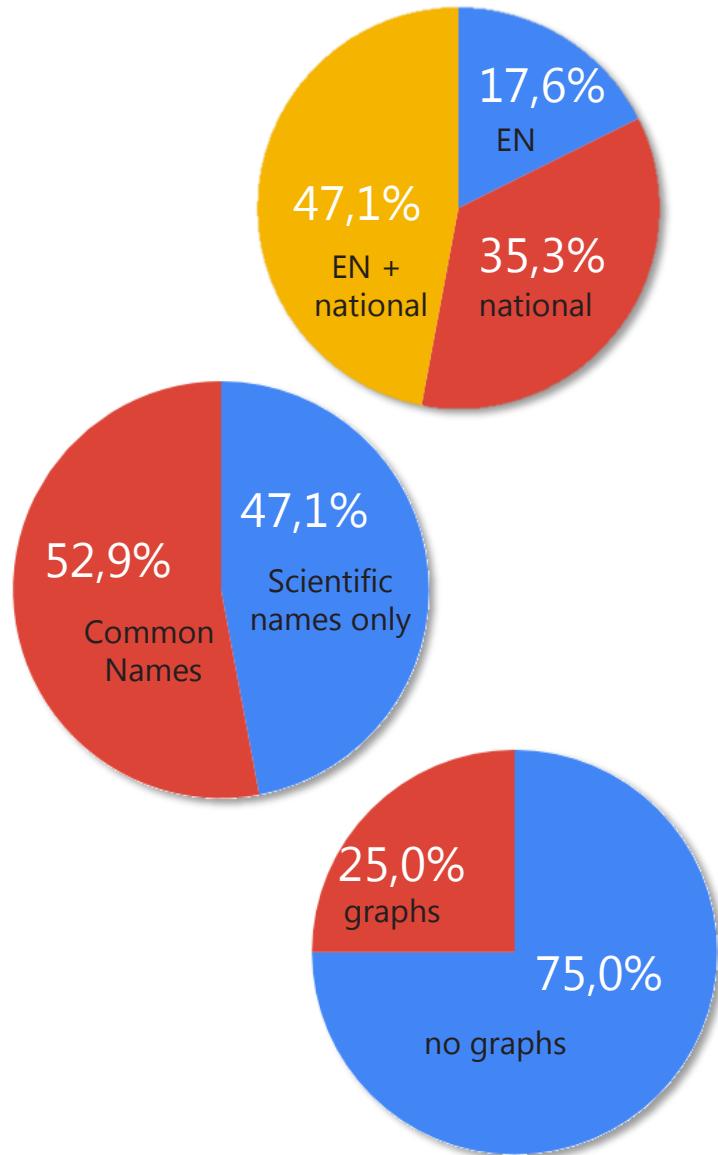
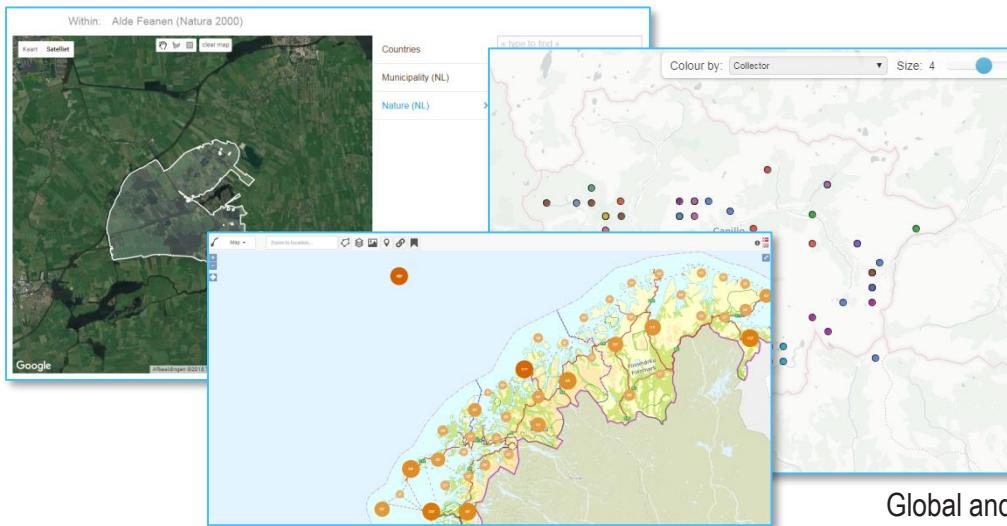
16%

Countries participating
in GBIF more often
have a national portal

Arguments for a national data portal

- Data service in the national language(s)
- National society as main audience
- More (geographical) detail & layers
- Show capacity (to e.g. ministeries)

- Easy to provide, national data infrastructure already in place
- Responsibility for national portal ensures ICT capacity in the node



Biodiversity portal functions

Basis:

- Simple text search (scientific name, free text)
- Advanced text search (detailed search, facets, browse, multiple names,...)
- Spatial search
- Common names
- Select language

Other:

- Media (images, video, sound)
- API
- Browse taxonomy
- How to cite
- Bibliographic information
- Identification tools
- Threat status
- Invasives
- Report observations
- Annotate
- Specialists
- DNA sequences

Not found:

Temporal search, measurement tools, traits



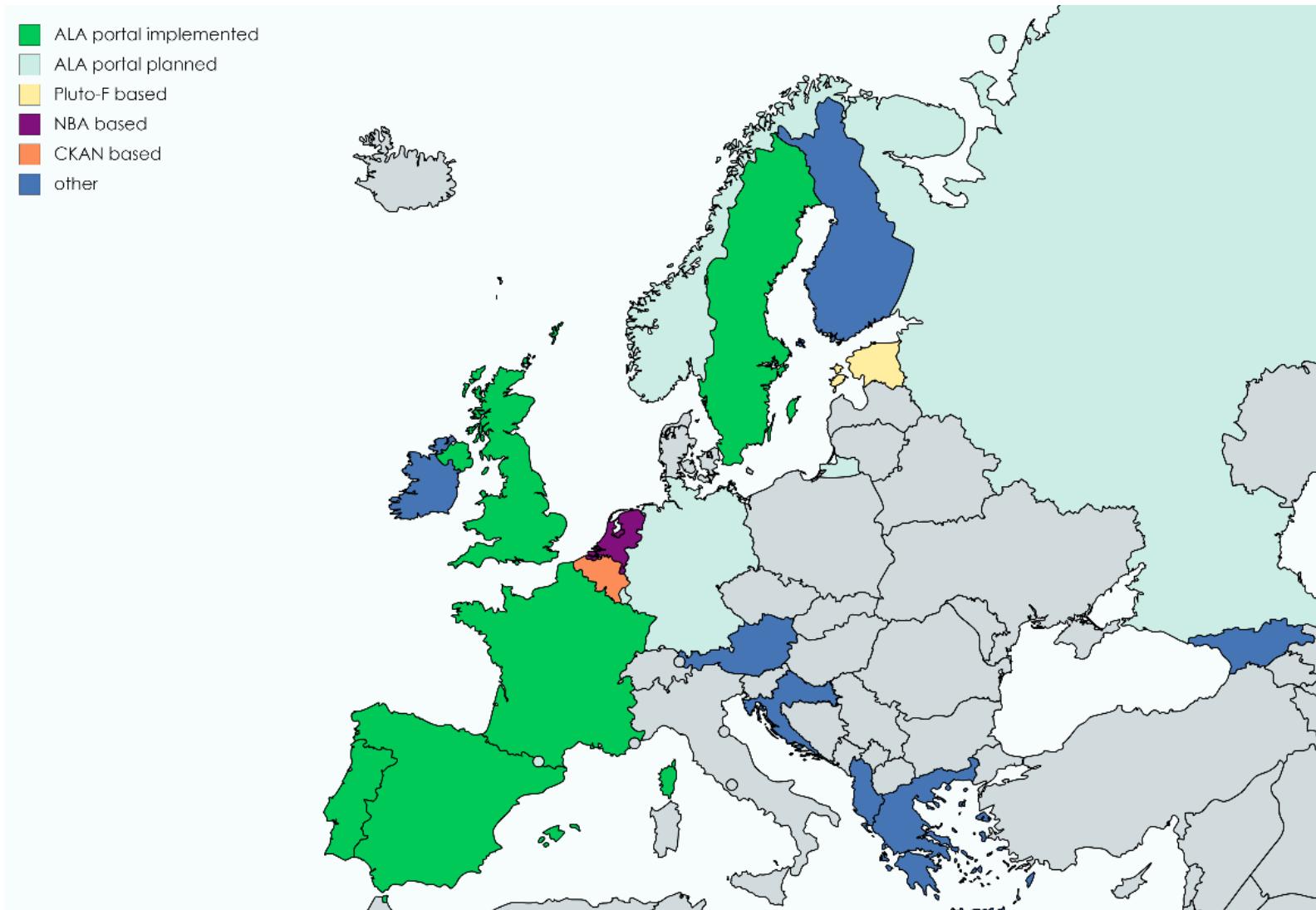
(image from GBIF Norway)

- Node participation in GBIF (history, vision and mission, structure and national funding)
- Data from the country
- Data about the country
- Datasets published
- GBIF news items tagged
- News from node (RSS feed)
- List of publications
- Data publishing trends

GBIF country pages



Used software





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The ideal situation?



Data about the country



CBD-CHM site



Species identification, status, change, reporting

Information about organisational structure

Data created by the country



CKAN

Public sector open datasets



ALA Portal

Primary biodiversity data

