

Multiplying the value of national activity through international cooperation

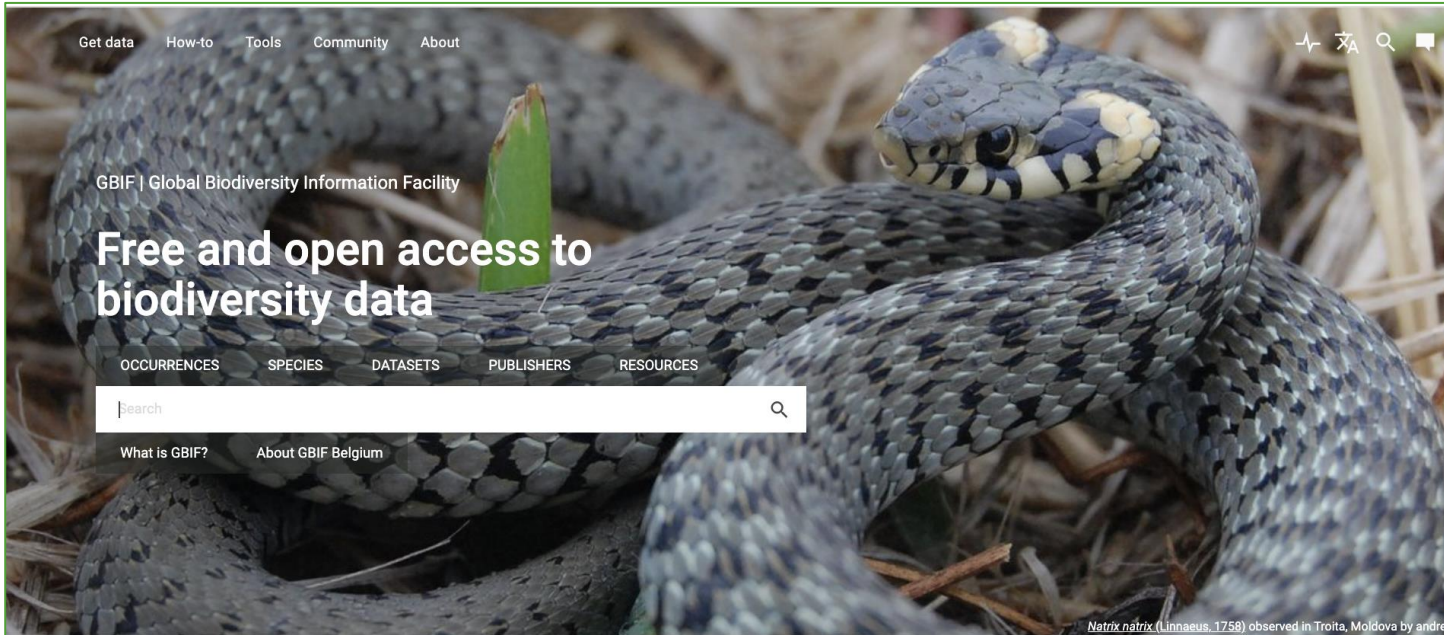
Tim Hirsch | Deputy Director




GBIF

Global Biodiversity
Information Facility

THE UK IN GBIF

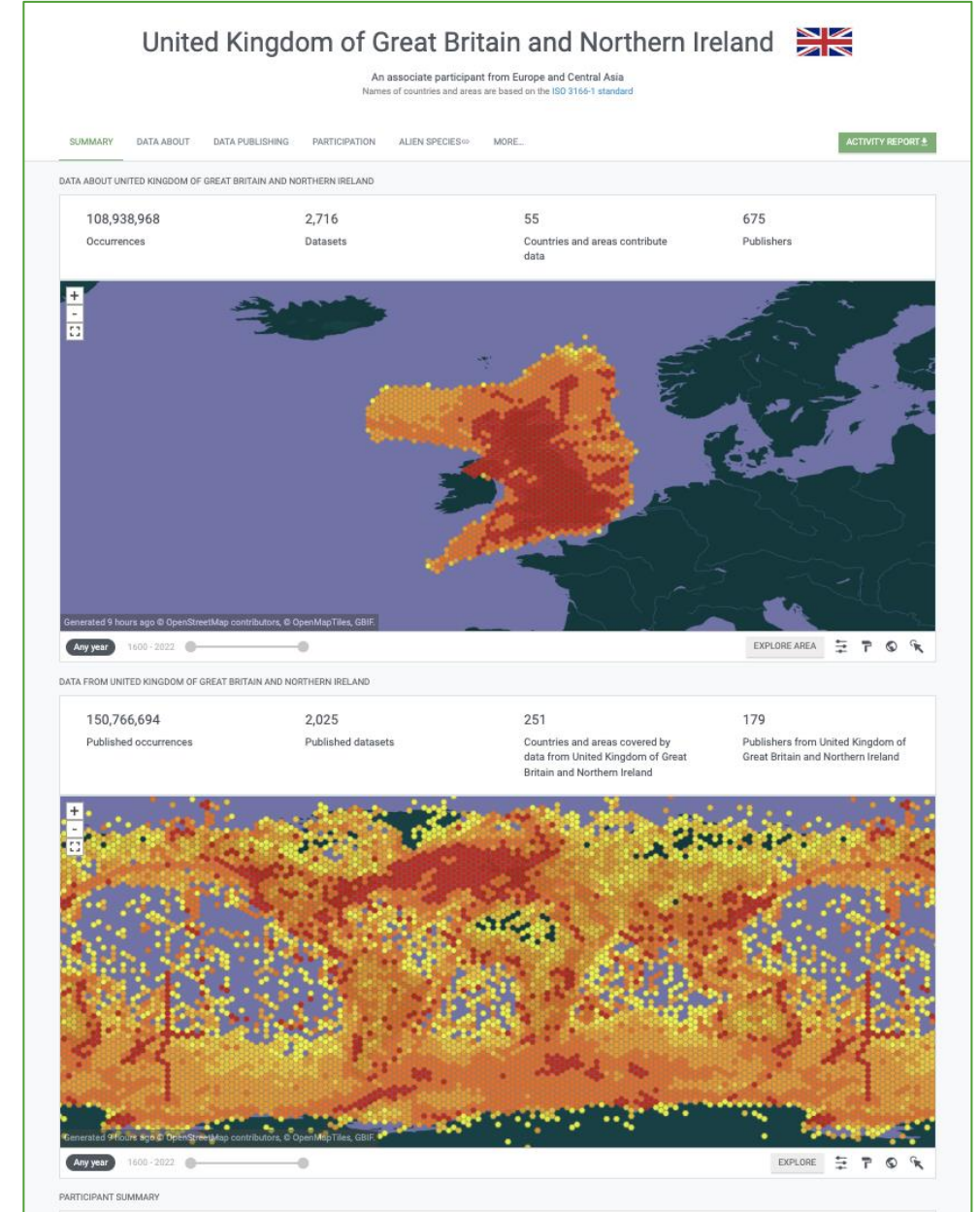



2,250,090,161
Occurrence records


79,198
Datasets


1,927
Publishing institutions


7,939
Peer-reviewed papers
using data



- <https://www.gbif.org/> ; <https://www.gbif.org/country/GB/summary>

THE UK IN GBIF

United Kingdom of Great Britain and Northern Ireland

An associate participant from Europe and Central Asia
Names of countries and areas are based on the ISO 3166-1 standard

SUMMARY DATA ABOUT DATA PUBLISHING PARTICIPATION ALIEN SPECIES MORE...

ACTIVITY REPORT

DATA FROM UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

150,766,694

Published occurrences

2,025

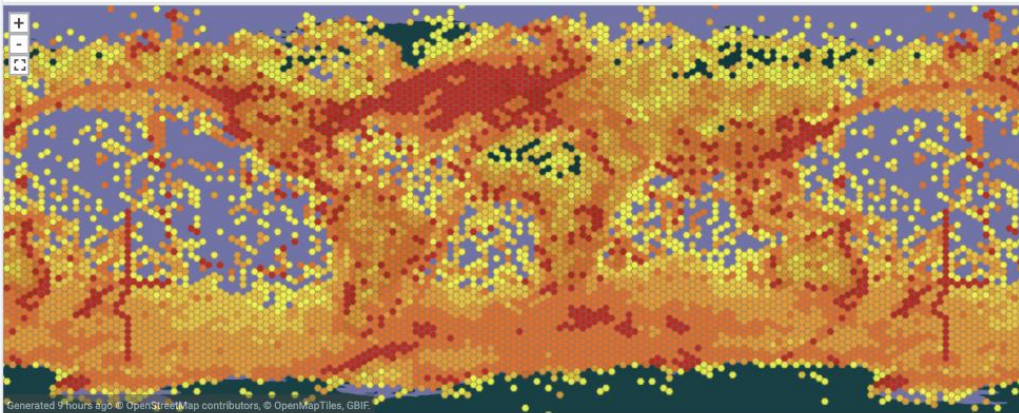
Published datasets

251

Countries and areas covered by data from United Kingdom of Great Britain and Northern Ireland

179

Publishers from United Kingdom of Great Britain and Northern Ireland

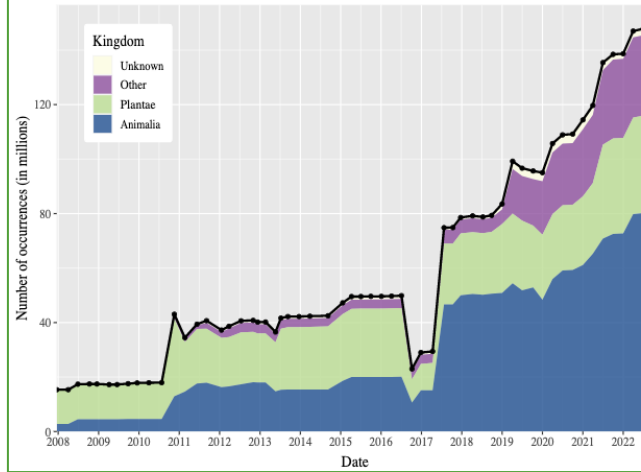


Generated 9 hours ago © OpenStreetMap contributors, © OpenMapTiles, GBIF. Any year 1600 - 2022 EXPLORE

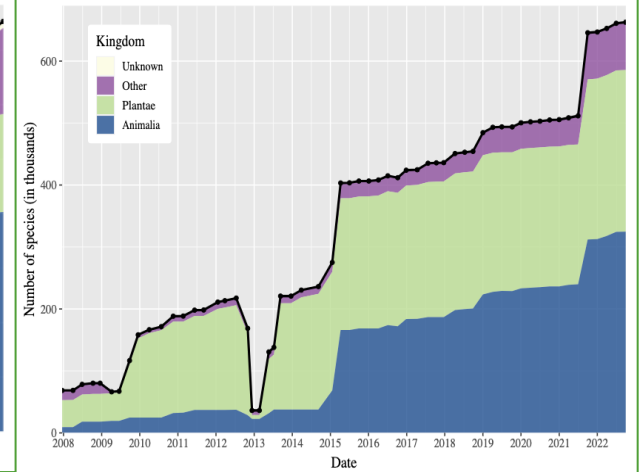
OCCURRENCES PER KINGDOM



Species occurrence records accessible through GBIF over time



Number of species having occurrence records accessible through GBIF over time



OCCURRENCES PER DATASET

Dataset	Count
EOD – eBird Observation Dataset	19,084,627
UK Butterfly Monitoring Scheme (UKBMS)	8,169,589
BSBI data from several English counties, up to 201...	8,161,358
Macro-moth distribution records for the UK for the...	6,295,977
Other BSBI Scottish data up to 2016	5,169,734
INSDC Sequences	4,996,533
Natural History Museum (London) Collection Specime...	4,949,975
Marine metagenomes Metagenome	4,582,446
The CPR Survey	3,543,114
Bryophyte data for Great Britain from the British ...	2,785,010

THE UK IN GBIF

OCCURRENCES PUBLISHED BY COUNTRY :

		2022	2021 total	2021 rank
1	United States	123,154,840	145,520,357	1
2	France	31,729,895	1,229,583	24
3	Netherlands	27,587,578	2,609,622	17
4	Canada	22,117,428	24,595,830	2
5	United Kingdom	11,875,491	24,285,291	3
6	Sweden	9,229,220	5,466,063	7
7	Finland	8,733,894	499,507	37
8	India	7,265,880	5,857,419	5
9	Germany	7,247,528	4,523,322	8
10	Colombia	5,745,180	5,466,063	7
OTHER COUNTRIES + AREAS		76,750,400	54,341,744	
TOTAL		325,692,154	252,569,971	

Top 10 countries: number of data publishers		
1	United States	272
2	Colombia	189
3	United Kingdom	164
4	Spain	112
5	Brazil	102
6	Russian Federation	95
7	Australia	88
8	France	56
9	Canada	44
10	Netherlands	41

DATA DOWNLOAD REQUESTS 30 Sept 2022

		2022	2021 total	2021 rank
1	United States	55,713	36,467	2
2	China	29,940	42,639	1
3	Mexico	16,684	21,725	3
4	Colombia	13,282	16,414	4
5	Brazil	11,362	16,344	5
6	Netherlands	10,800	5,808	8
7	United Kingdom	7,070	11,605	6

Peer-reviewed uses by country

		2022 total	2021 total	2021 rank
1	United States	248	331	1
2	China	223	227	2
3	United Kingdom	117	140	4
4	Brazil	116	142	3
5	Mexico	106	130	6
6	Germany	98	131	5
7	Spain	80	102	7
8	Australia	59	70	9
9	France	57	78	8
10	India	52	35	19

- <https://www.gbif.org/document/81771/gbif-overview-powerpoint-slides>

ADDED VALUE OF INTERNATIONAL COLLABORATION

- BIODIVERSITY DOESN'T RESPECT BORDERS!

Data use



Invasive alien species

1,096

peer-reviewed papers using data

Information is the single most important variable necessary to support research, monitoring and management of alien and invasive species. From identifying and predicting potential invasions to improving management applications, detection strategies, and risk assessments, GBIF plays a pivotal role in fulfilling data needs about these costly and disruptive forces of change.

[Featured](#) [See all](#)

Predicting hotspots for invasive species introduction in Europe

Data use

Study uses machine-learning approach to produce risk hotspot maps for pest introductions with high predictive accuracy ... Invasive plant pests have a massive social impact in Europe, costing billions ...

Published October 27, 2022



Spotted lanternfly planthopper: grape pest to disrupt the global wine market?

Data use

Assessment suggests that paninvasion and disruption of global wine market is likely unless invasion potentials are mitigated immediately ... Native to China, the spotted lanternfly planthopper (Lycorma...

Published August 12, 2022



The role of temperature in shaping the impacts of marine invasions

Data use

Ecological impact of marine invasions is most severe within the thermal niche of the invader ... When marine species are redistributed by human transport systems, such as ballast water, the success of ...

Published May 31, 2022



Composition and function of the alien flora of New Zealand

Data use

Study summarizes the current knowledge of traits and distribution of naturalized plants in the Pacific archipelago ... Ranked among the world's top 25 biodiversity hotspots, New Zealand is an isolated ...

Published November 4, 2021



Global assessment of human influence on modelling of bird invasions

Data use


Study demonstrates that incorporating variables measuring human impact in distribution models significantly increases accuracy of predictions ... Species distribution modelling (SDM) is a powerful tool...

Published October 14, 2021



ADDED VALUE OF INTERNATIONAL COLLABORATION

• SHARED DATA SUPPORTS GLOBAL GOALS

 Convention on Biological Diversity

BIODIVERSITY CONVENTION | CARTAGENA PROTOCOL | NAGOYA PROTOCOL | COUNTRIES | PROGRAMMES

United Nations Biodiversity Conference
COP15 / CP-MOP10 / NP-MOP4
Montreal, Canada, 7-19 December 2022

SUSTAINABLE DEVELOPMENT GOALS



1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS

 United Nations
Climate Change

Home COP 27 Process and meetings Topics Calendar

Sharm el-Sheikh Climate Change Conference - ...

 PREVIOUS CONFERENCE

SHARM EL-SHEIKH CLIMATE CHANGE CONFERENCE - NOVEMBER 2022

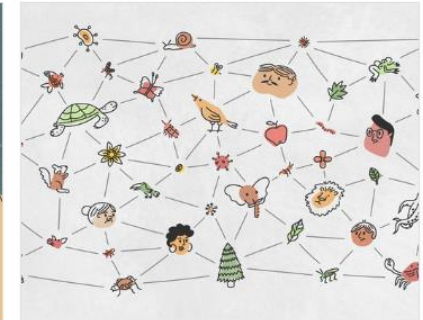
Discover the value of GBIF



Conservation



Climate change



Human health and One Health



DNA barcoding and metagenomics



Agriculture and food security



Private sector

ADDED VALUE OF INTERNATIONAL COLLABORATION

- GLOBAL EFFICIENCIES
SAVE NATIONAL COSTS



Hosted portals in production



Biodiversidad.co



GBIF.us



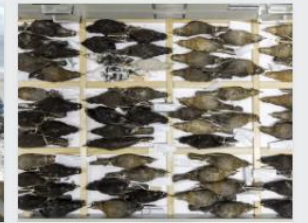
SANBI-GBIF



GBIF New Zealand



Pacific Biodiversity Information Facility



Natural History Museum Rotterdam



Virtual Herbarium Germany



Living Norway Ecological Data Network



Legume Data Portal

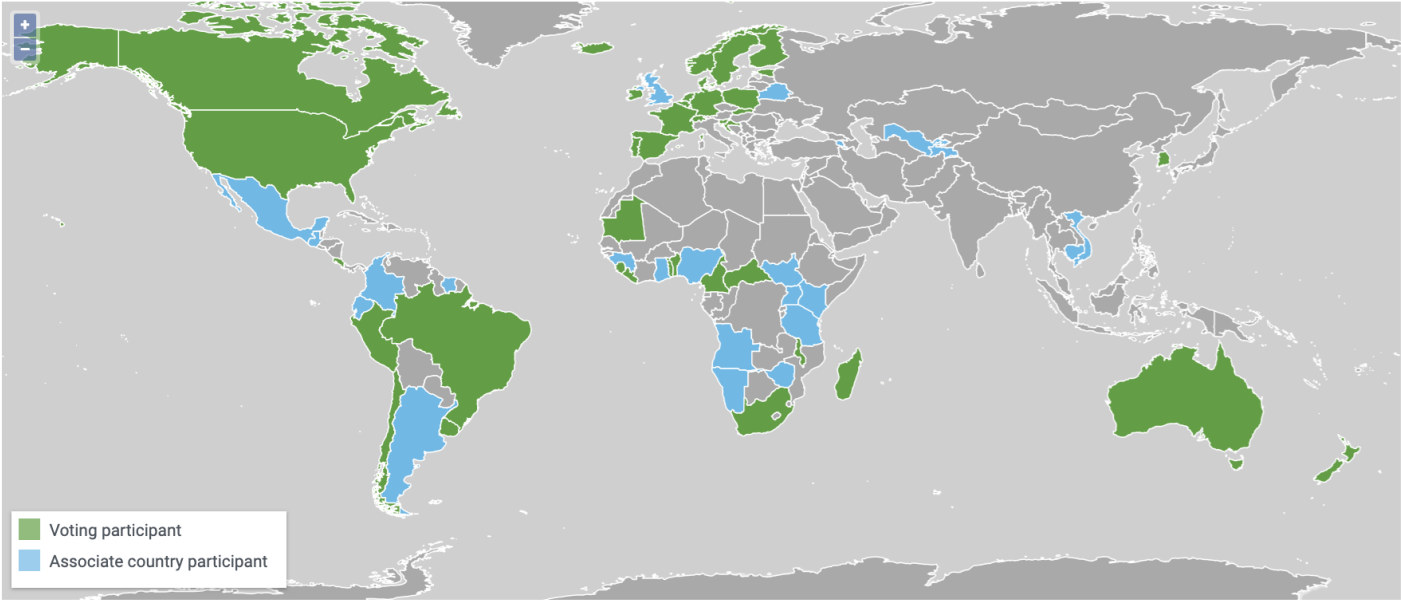
- <https://living-atlases.gbif.org/> ; <https://www.gbif.org/hosted-portals>

ADDED VALUE OF INTERNATIONAL COLLABORATION

- IF YOU WANT A FREE RIDE ... DON'T WAIT FOR THE BUS!

The GBIF Network

GLOBAL AFRICA ASIA EUROPE AND CENTRAL ASIA LATIN AMERICA AND THE CARIBBEAN NORTH AMERICA OCEANIA PARTICIPANT ORGANIZATIONS GBIF AFFILIATES



■ Voting participant
■ Associate country participant

41 VOTING PARTICIPANTS | 23 ASSOCIATE COUNTRY PARTICIPANTS | 43 OTHER ASSOCIATE PARTICIPANTS | 1,986 PUBLISHERS

Peer-reviewed uses by country

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THANK YOU

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