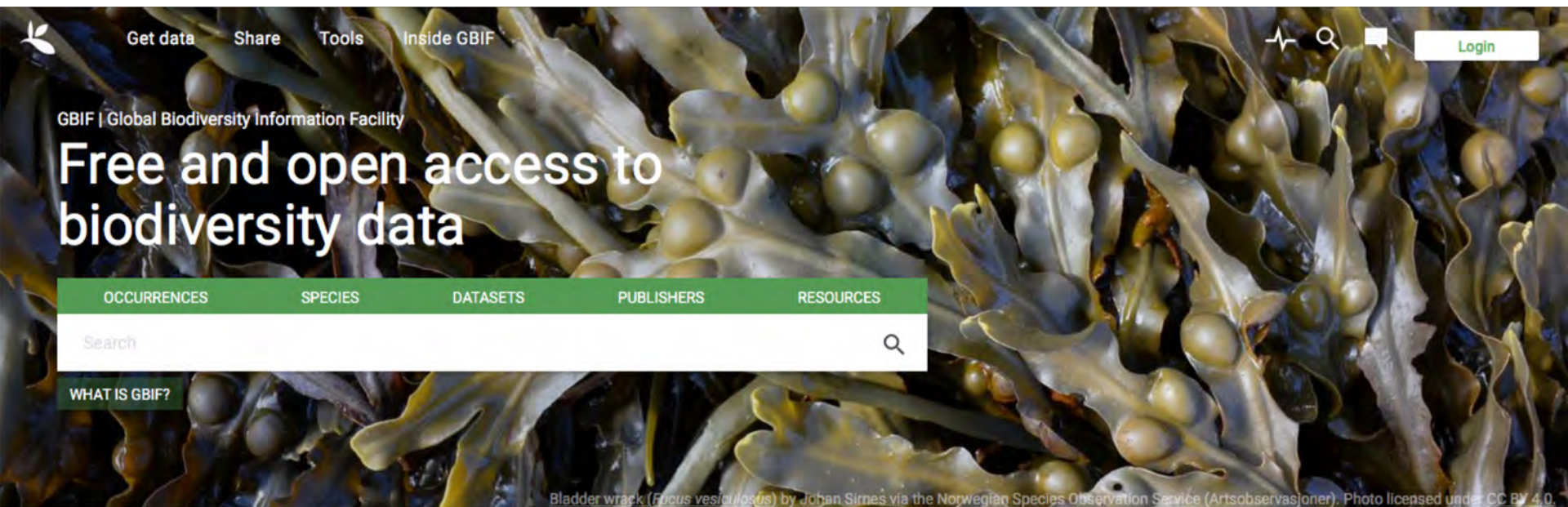



A large, white, feathery worm, likely a Pionosoma, is the central focus of the image. It has a thick, white, segmented body and a large, fan-like head with many fine, white tentacles. The worm is positioned diagonally across the frame. The background is a dark, rocky seabed covered in various marine organisms, including smaller white worms, a starfish, and some greenish-brown growths. The lighting is focused on the white worm, making it stand out against the dark background.




GBIF @ 1 billion
(~~23~~ ~~25~~ 27 million)

Kyle Copas

GB25: THE 25TH MEETING OF THE GBIF GOVERNING BOARD
17 OCTOBER 2018





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GBIF | Global Biodiversity Information Facility

Free and open access to biodiversity data

[OCCURRENCES](#)
[SPECIES](#)
[DATASETS](#)
[PUBLISHERS](#)
[RESOURCES](#)



[WHAT IS GBIF?](#)

Bladder wrack (*Fucus vesiculosus*) by Johan Simes via the Norwegian Species Observation Service (Artsobservasjoner). Photo licensed under CC BY 4.0.

Occurrence records
1,000,693,764

Datasets
39,569

Publishing institutions
1,217

Species
Learn more about the number of species covered by data in GBIF.org.



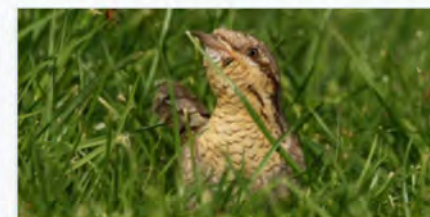
Grants support new data mobilization activities in Asia
13 June 2018



Flying foxes predict Nipah virus transmission risk
8 June 2018



Creating synergy between national GBIF node and IPBES focal point
Integrating GBIF and IPBES activities into a larger science policy interface in Belgium



GBIF seeks new Executive Secretary
12 June 2018



BY THE NUMBERS

12 October 2018

Species occurrence records

1,023,477,936

Datasets

41,332

*Country
Participants*

59

*Organizational
Participants*

38

Publishers

1,282

Average records downloaded per month (2018)

116.8 billion

Avg monthly user sessions (2018)

152,595

GBIF | Global Biodiversity Information Facility

Accès libre et ouvert aux données sur la biodiversité

OCCURRENCES

ESPÈCES

JEUX DE DONNÉES

FOURNISSEURS DE DONNÉES

RESSOURCES

Rechercher



QU'EST-CE QUE LE GBIF ?

A PROPOS DE GBIF IRLANDE

Linnaea amabilis by observed in Kilkenny, Ireland by ndleblanc. Photo-via iNaturalist-lic

Occurrences

1,027,580,342

Jeux de données

41,400

Institutions éditrices

1,289

Espèces

En savoir plus sur le nombre d'espèces couvertes par les données dans GBIF.org.



Cameroon and Liberia boost GBIF Africa membership to 20 countries

12 octobre 2018



Global bans on bird trade needed to stop invasions

5 octobre 2018



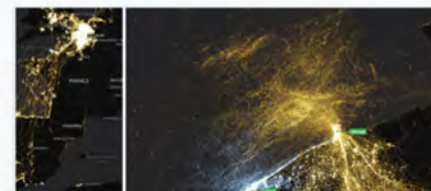
Student award winner investigates climate-driven changes to seaweed distribution in Atlantic Iberian marine forests

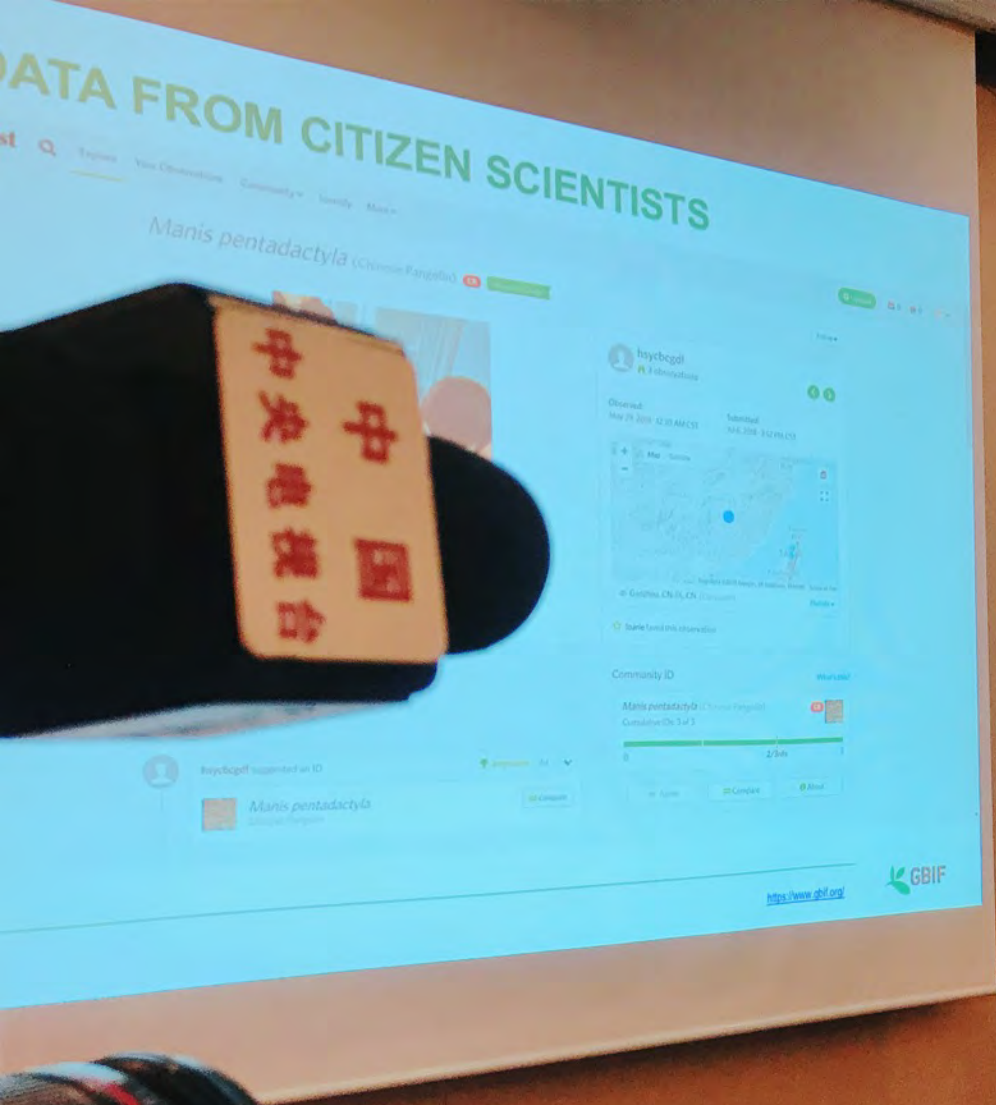
25 September 2018

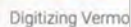


Student award winner explores innovative methods of producing more reliable ecological niche models for highly mobile species

25 September 2018







In July, the **Global Biodiversity Information** species occurrence records with at least 100 records. The milestone symbolizes a major collection of data through the work of the GBIF network, a global network of public and private organizations from 180 countries. The **Valley of Life (VAL)** here at the Vermont Center for the Environment is a key partner in this effort.

GBIF is an international network and resource for the world's governments and aimed at providing data about all types of life on Earth. Countries

Le Global Biodiversity Information Facility confirme le record de plus d'un milliard d'espèces à travers son réseau

 **La redaction** — 15 juillet 2018 • comments off



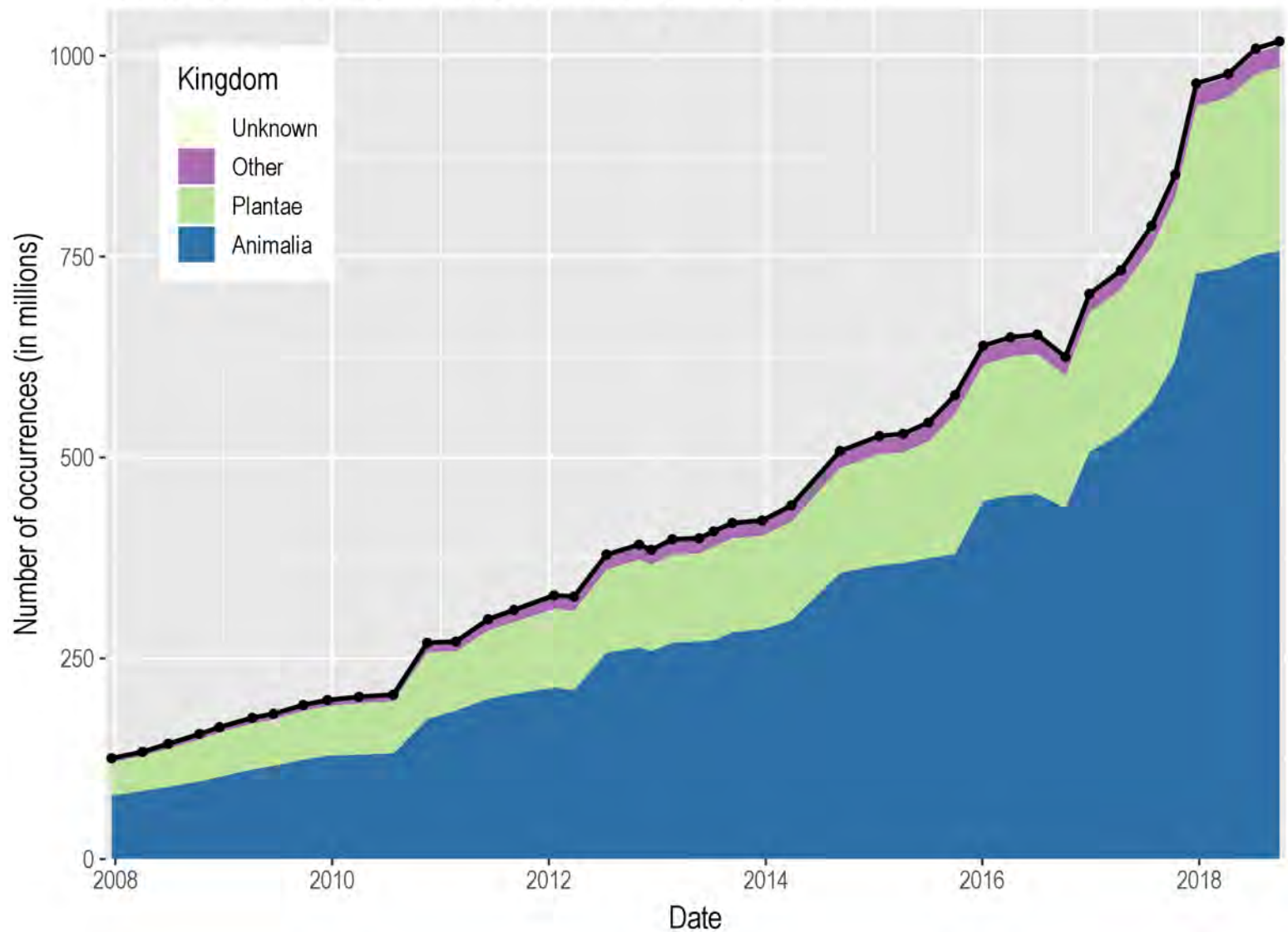
GBIF

Global Biodiversity Information Facility

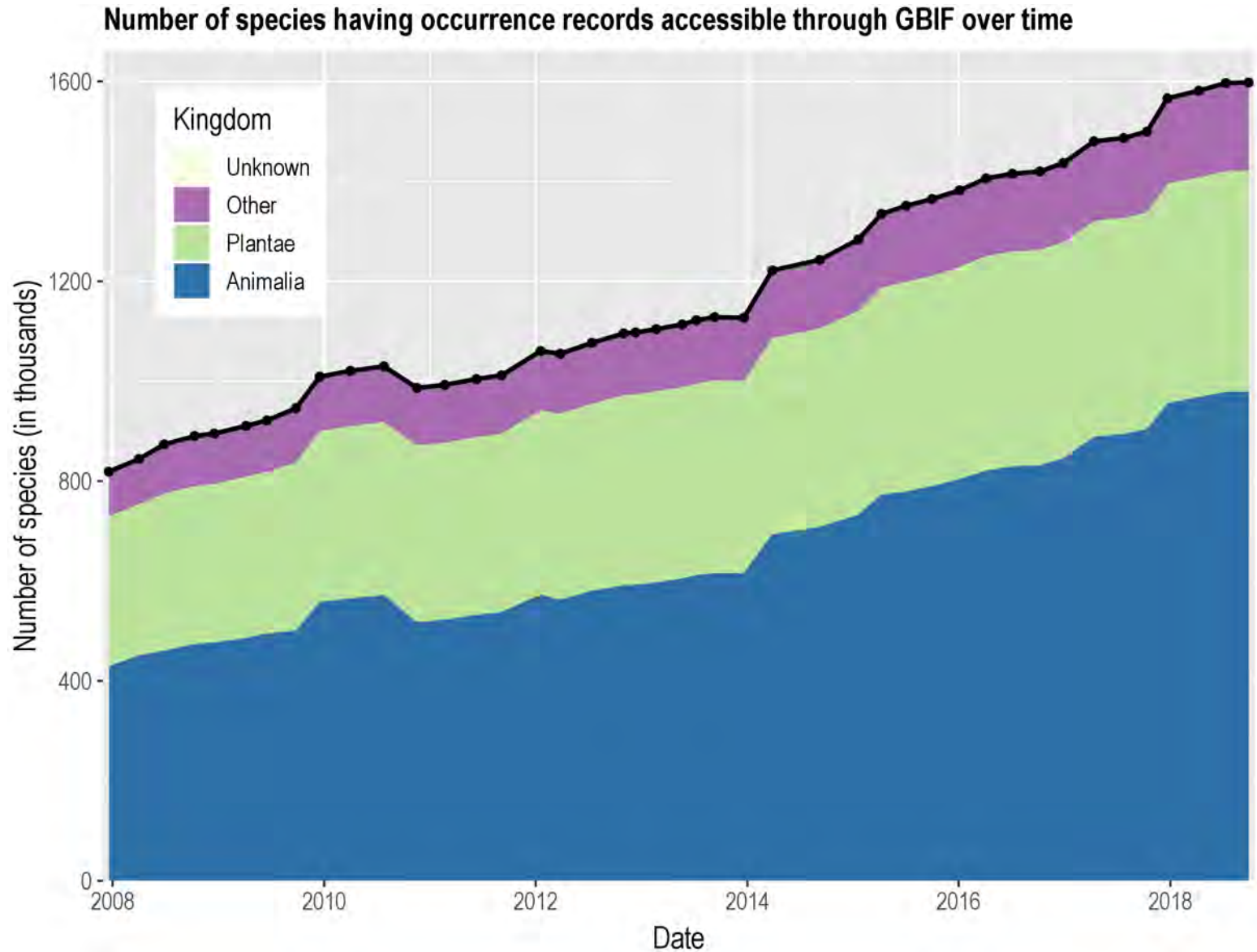
Kinshasa, 15 juillet 2018 (ACP).- Le Global Biodiversity Information Facility (GBIF) a confirmé le record d'un milliard d'espèces selon les informations disponibles à travers son réseau, démontrant le résultat des efforts collectifs de plus de 1200 institutions dans 123 pays qui partagent volontiers des données en format numérique standard, issues de collections

OCCURRENCES PUBLISHED IN GBIF.org

Species occurrence records accessible through GBIF over time

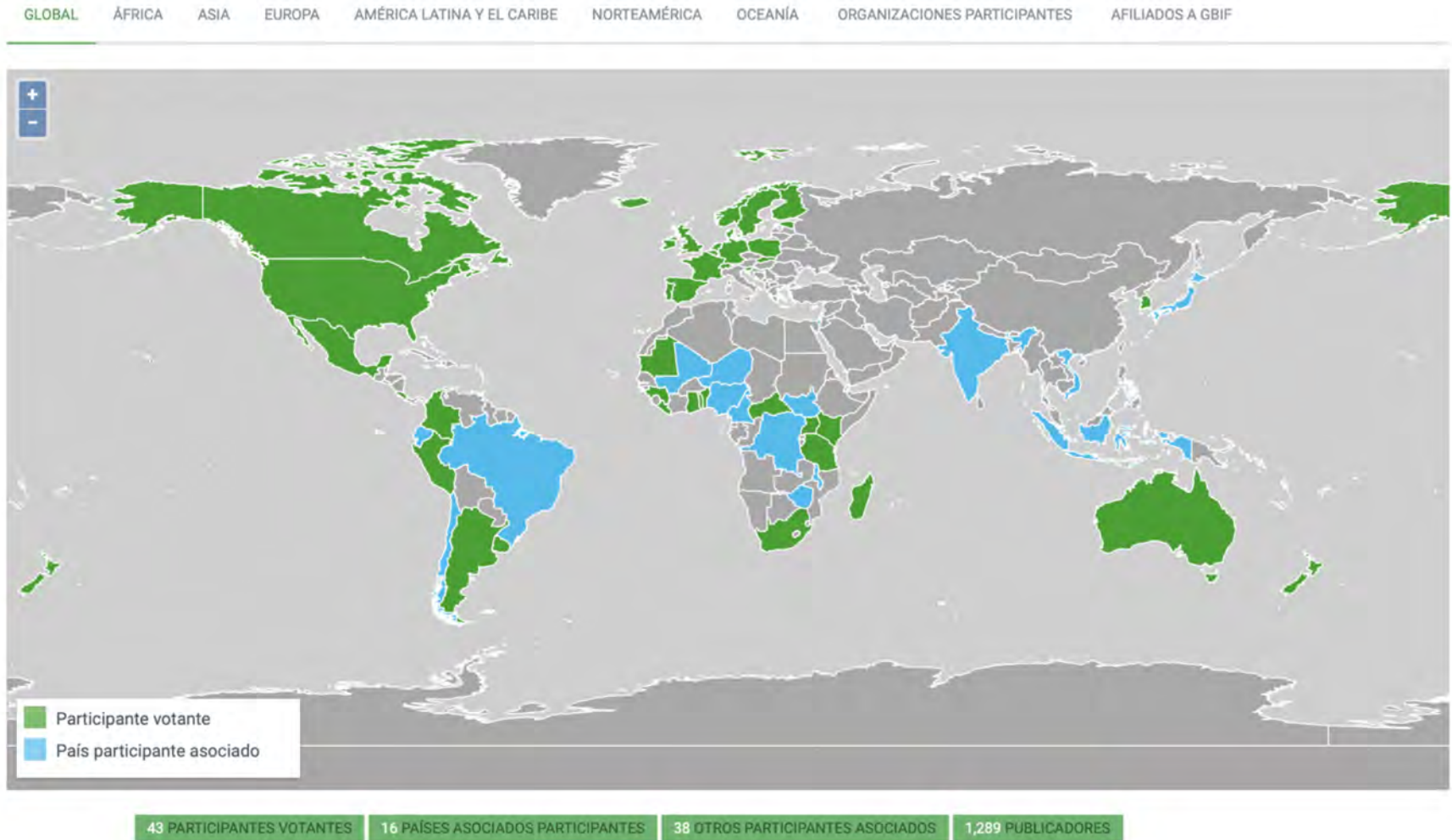


SPECIES WITH OCCURRENCES PUBLISHED IN GBIF.org

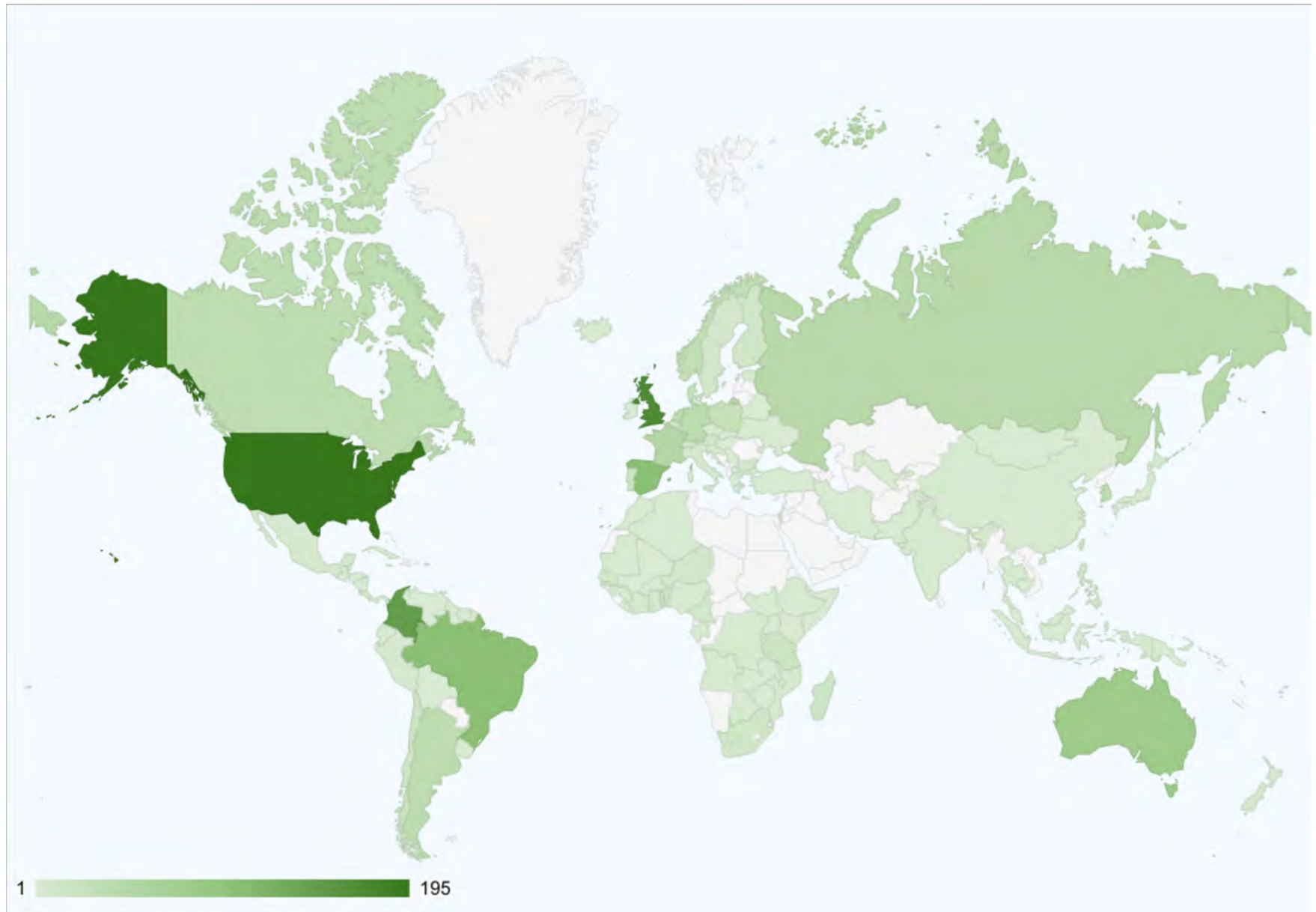


THE GBIF NETWORK

La red de GBIF

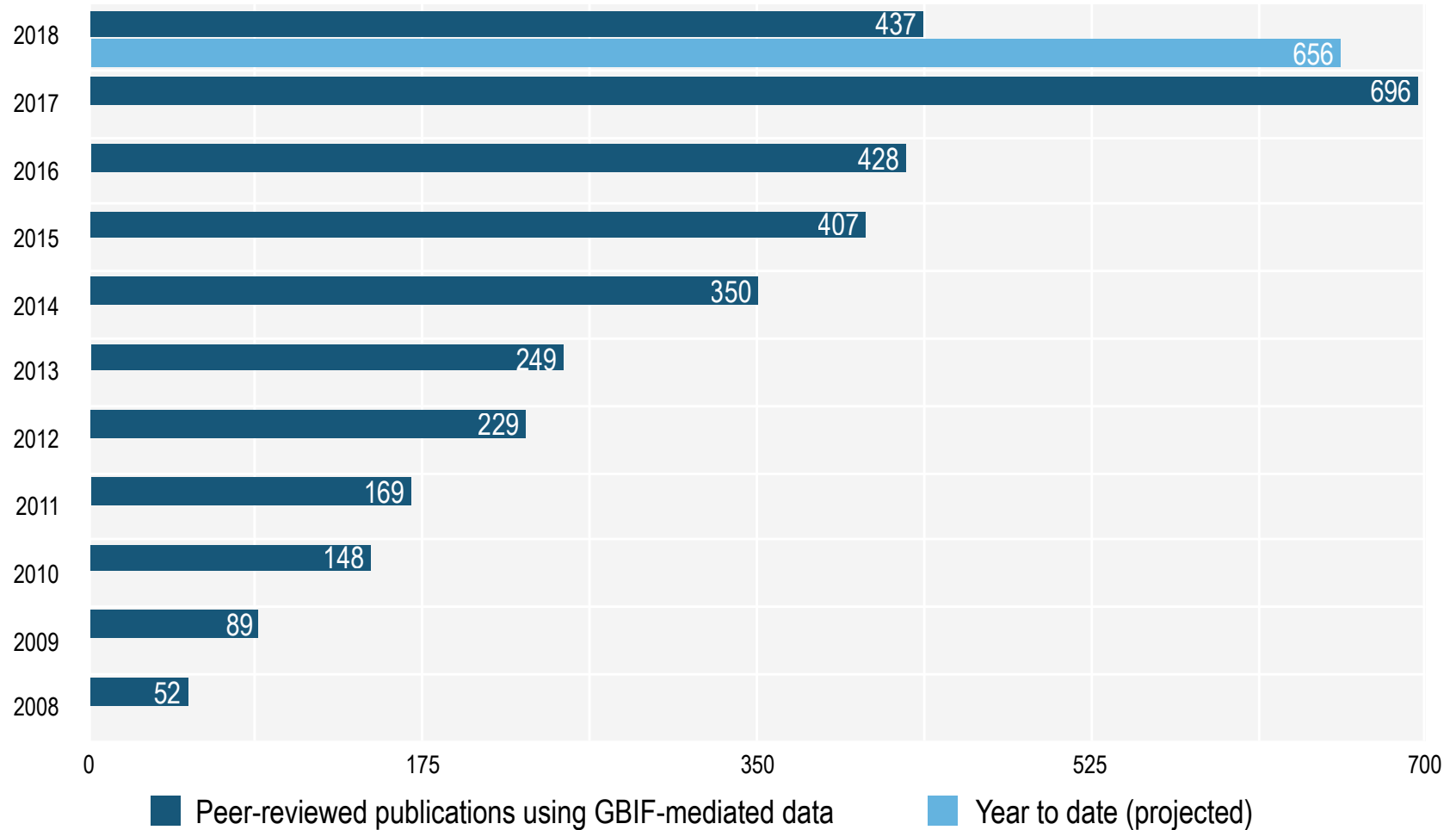


GBIF DATA PUBLISHERS



PEER-REVIEWED PUBLICATIONS USING GBIF-MEDIATED DATA

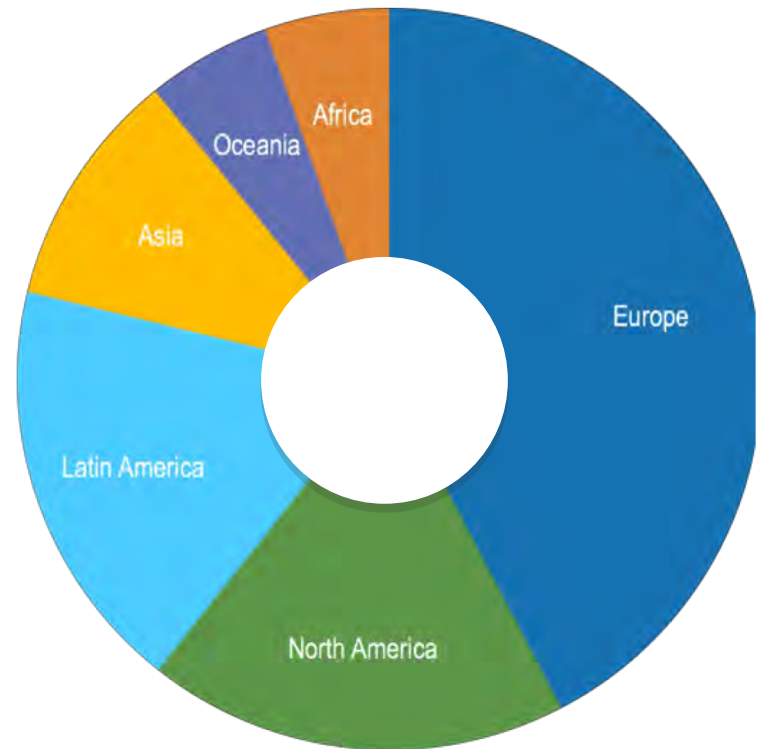
through 31 August 2018



PEER-REVIEWED USES, BY COUNTRY AND REGION, 2017

Total # of peer-reviewed papers by country

1	United States	194
2	United Kingdom	82
3	Brazil	75
3	Germany	75
5	Spain	67
6	Australia	58
7	Mexico	55
8	China	53
9	Canada	49
10	France	47



Total # of papers by region

1	Europe	563
2	North America	244
3	Latin America	241
4	Asia	138
5	Oceania	72
5	Africa	72

PEER-REVIEWED USES, BY COUNTRY AND REGION 2018 TO DATE



Total # of peer-reviewed papers by country

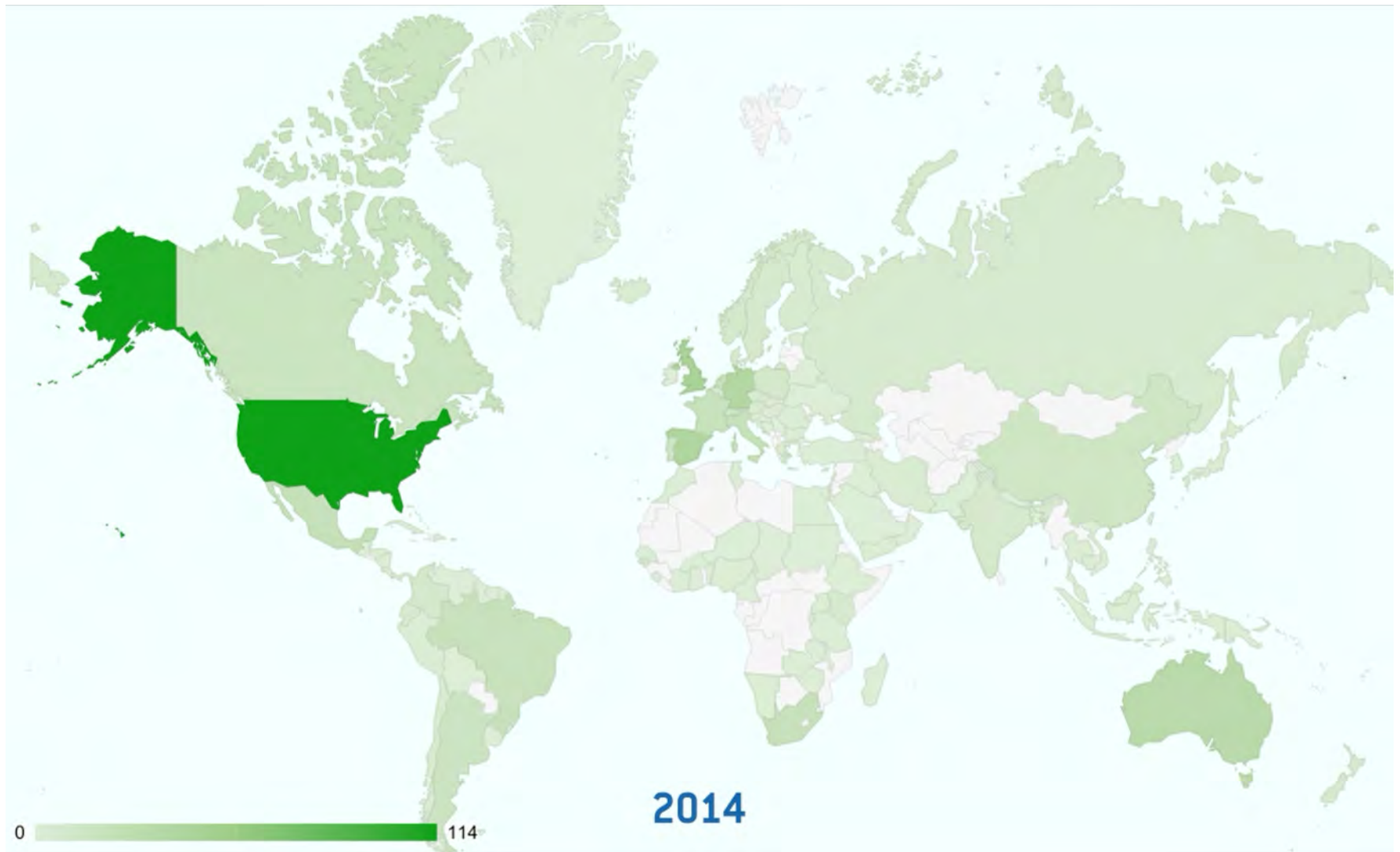
1	United States	130
2	Brazil	58
3	Mexico	55
3	Australia	44
5	United Kingdom	42
6	Spain	39
7	China	38
8	Canada	31
9	Germany	30
10	France	29

Total # of papers by region

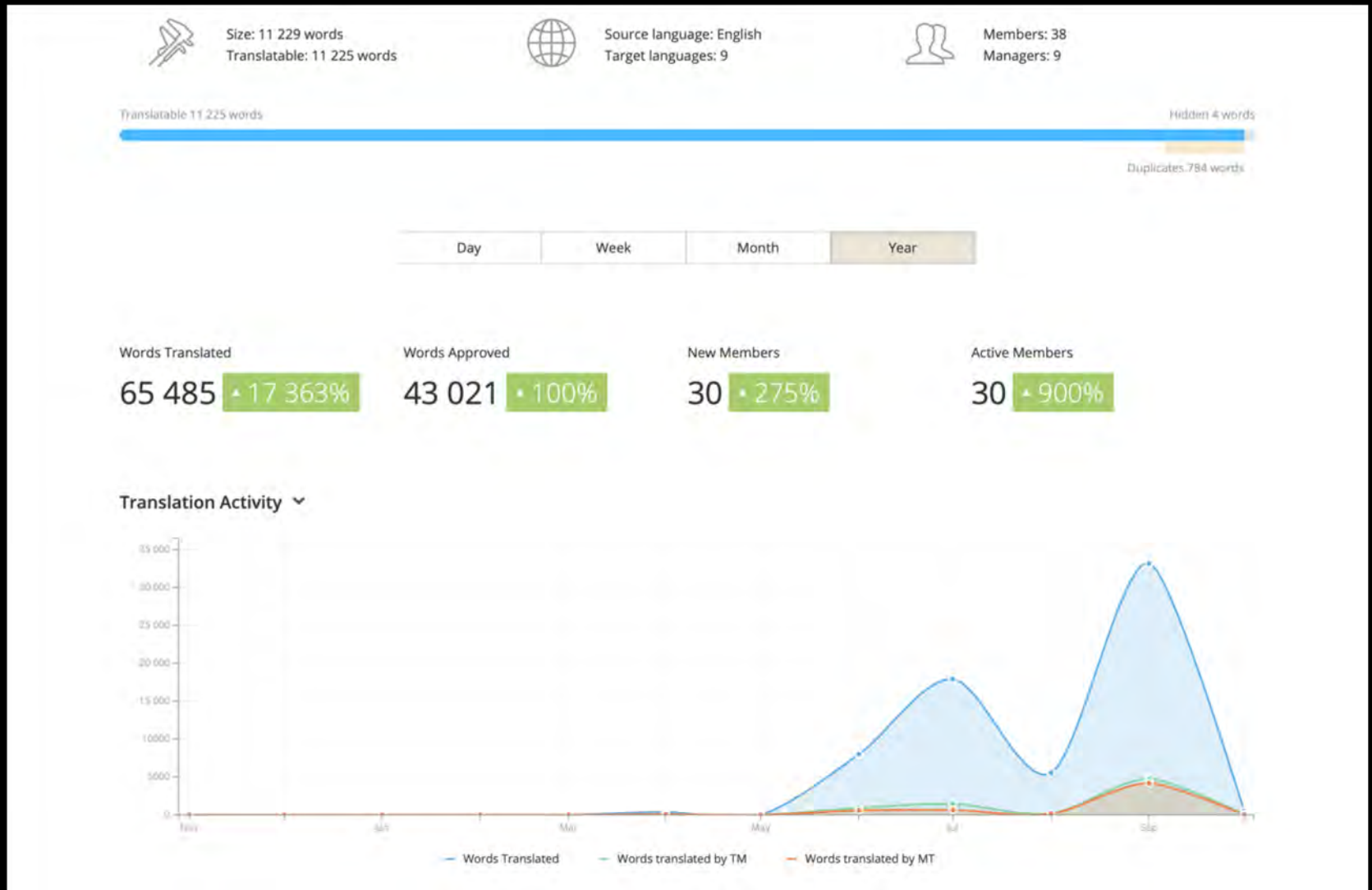
1	Europe & Central Asia	300
2	Latin America & the Caribbean	185
3	North America	162
4	Asia	88
5	Oceania	57
6	Africa	32

PEER-REVIEWED LITERATURE

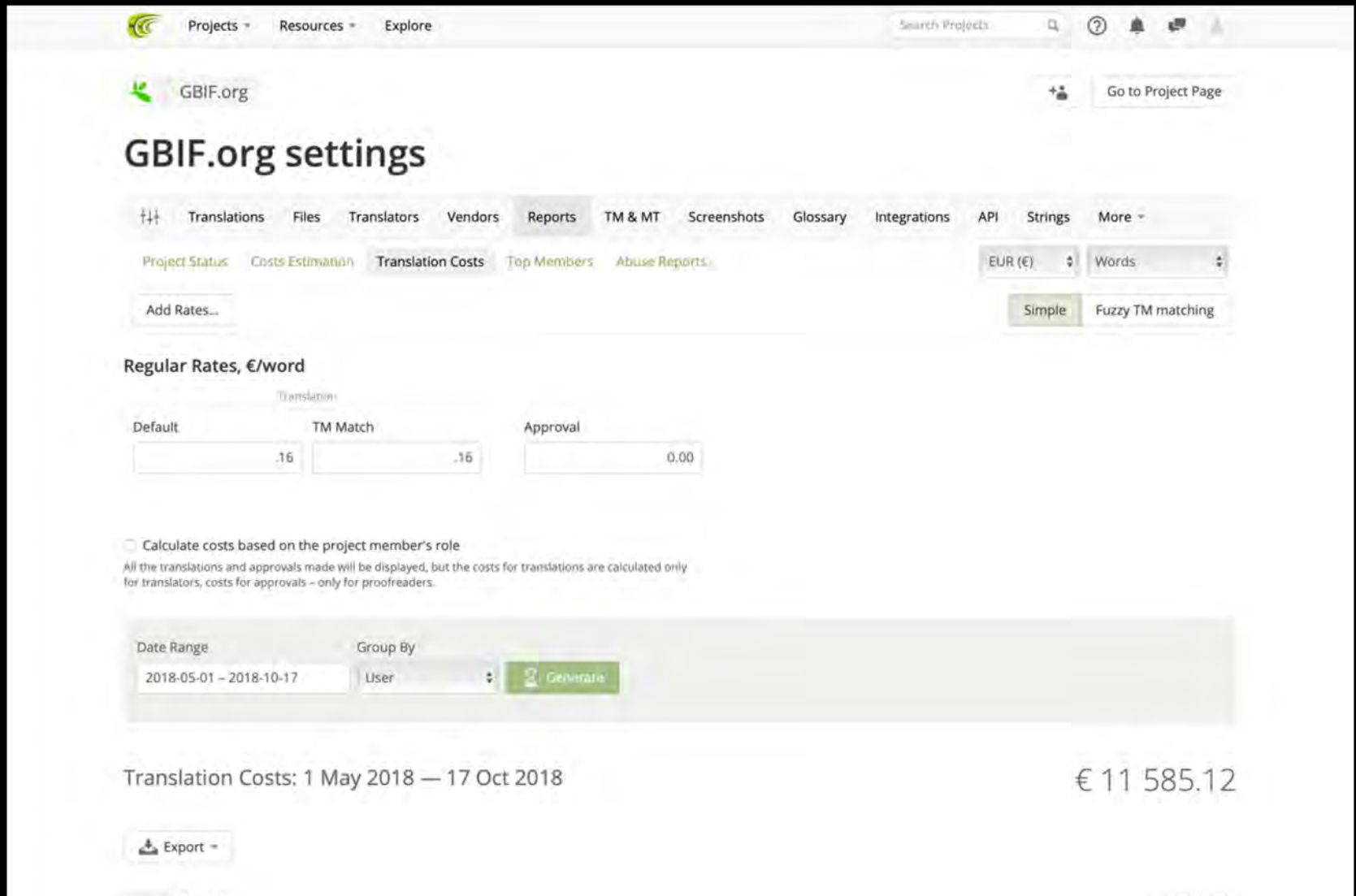
By country or area of authors, 2014-2018



COMMUNITY CONTRIBUTIONS



COMMUNITY CONTRIBUTIONS



The screenshot displays the GBIF.org settings interface. At the top, there are navigation links for Projects, Resources, and Explore, along with a search bar and user icons. The main heading is 'GBIF.org settings'. Below this, a horizontal menu includes options like Translations, Files, Translators, Vendors, Reports, TM & MT, Screenshots, Glossary, Integrations, API, Strings, and More. Under the 'Reports' tab, sub-tabs for Project Status, Costs Estimation, Translation Costs, Top Members, and Abuse Reports are visible. The 'Translation Costs' sub-tab is active, showing a table of rates. The table has columns for Default, TM Match, and Approval, with values .16, .16, and 0.00 respectively. A checkbox for 'Calculate costs based on the project member's role' is present, with a note that costs for translations are calculated only for translators, and costs for approvals only for proofreaders. Below the table, there are filters for Date Range (2018-05-01 to 2018-10-17) and Group By (User), with a 'Generate' button. The total translation costs for the period are shown as € 11 585.12, with an 'Export' button below.

GBIF.org

GBIF.org settings

Translations Files Translators Vendors Reports TM & MT Screenshots Glossary Integrations API Strings More

Project Status Costs Estimation Translation Costs Top Members Abuse Reports

EUR (€) Words

Add Rates... Simple Fuzzy TM matching

Regular Rates, €/word

Default	TM Match	Approval
.16	.16	0.00

☐ Calculate costs based on the project member's role

All the translations and approvals made will be displayed, but the costs for translations are calculated only for translators, costs for approvals – only for proofreaders.

Date Range: 2018-05-01 – 2018-10-17 Group By: User Generate

Translation Costs: 1 May 2018 — 17 Oct 2018 € 11 585.12

Export



Trends for you · Change

#ITSWC18

1,289 Tweets

Denmark

10.3K Tweets

#Copenhagen

Mac Miller

28.9K Tweets

#dkmedier

Peter Albrechtsen is Tweeting about this

#dkgreen

#skolechal

#dkbiz

Yusaku Maezawa

23.4K Tweets

#dklrp



William Chase

@W_R_Chase

Following



The @GBIF team is killing it with these translations! Any open science project needs to consider accessibility, take notes from GBIF! #openscience



GBIF @GBIF

Agora o GBIF fala português! A tradução que se segue do interface do utilizador está pronta, juntando-se ao japonês e espanhol (o russo, francês e chinês são já a seguir). Próximo passo: tradução do conteúdo. Muito obrigado ao ...

4:12 PM - 17 Sep 2018

3 Retweets 5 Likes



3



5



Tweet your reply

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QGIS @qgis

Follow

Nyal Dawson @nyalldawson

Follow

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Privacy policy · Cookies · Ads info · Brand
Blog · Status · Apps · Jobs · Advertise
Marketing · Businesses · Developers

LITERATURE TRACKING

SCIENCE REVIEW: A WORK-IN-PROGRESS



DATA USE | 4 OCTOBER 2018

The demise of bumblebees: Linking pesticides and pathogens to declining populations

Study links use of specific pesticide to bumblebee pathogens associated with range contractions and population declines

Data resources used via GBIF : 67,725 species occurrences



American bumble bee (*Bombus pensylvanicus*) by Kathy Richardson via iNaturalist. Photo licensed under CC BY-NC 4.0.

Efficient pollinators of wild flowering plants and crops, bumblebees provide important ecosystem services, threatened by range contractions and declining populations. In the US, this has been linked to a variety of factors including urbanization, pesticides and pathogens.

In a study of bumblebees in the US, authors attempt to elucidate the relative importance of different stressors associated with range contractions. At 284 sites, they sampled and identified *Bombus* species, while screening for pathogens and quantifying landscape and pesticide usage.

Combining the field data with GBIF-mediated occurrences of [eight target species](#), the authors used a machine learning model technique to show that the usage of the fungicide chlorothalonil was the best predictor of prevalence of the bumblebee pathogen *Nosema bombi* in four declining species.

LITERATURE TRACKING NOT JUST PEER-REVIEWED PAPERS

The screenshot displays the GBIF Literature Search interface. The top navigation bar includes links for 'Get data', 'Share', 'Tools', and 'Inside GBIF', along with a search icon, a 'Login' button, and a 'SEARCH RESOURCES | 6,440 RESULTS' indicator. The left sidebar, titled 'Resources', contains a search bar and several filter categories: 'Country or area of researcher', 'Country or area of coverage', 'Literature type', 'Relevance', 'Year', 'Topic', 'Dataset', 'Publisher', 'Peer-reviewed', 'Open access', and 'Download key'. Below these filters is a note about searching for news, events, documents, and more, with a link to 'OCCURRENCE SEARCH'. The main content area shows a list of search results under the 'LITERATURE' tab. The first result is 'Impact of Climate Change on Sawfly (Suborder: Symphyta) Pollinators in Andalusia Region, Spain', followed by 'Upgrading Comparative and Competitive Advantages for Ethanol Fuel Production From Agroindustrial Crops in Developing Countries: Mexico as a Case Study...', 'Towards global data products of Essential Biodiversity Variables on species traits', and 'Morphometric characteristics of Alpine salamanders: a support for subspecies validation and conservation?'. Each result includes a brief abstract and a 'Book section' or 'Peer-reviewed' label.

Resources

Search

Country or area of researcher

Country or area of coverage

Literature type

Relevance

Year

Topic

Dataset

Publisher

Peer-reviewed

Open access

Download key

Search for news, events, documents and much more. If you are looking for species occurrences then try our occurrence search.

[OCCURRENCE SEARCH](#)

SEARCH RESOURCES | 6,440 RESULTS

ALL NEWS DATA USE EVENTS PROJECTS PROGRAMMES TOOLS DOCUMENTS LITERATURE

Impact of Climate Change on Sawfly (Suborder: Symphyta) Pollinators in Andalusia Region, Spain Literature

Barbir, J. Aguado Martín, L. Rodríguez Lloveras, X. (2019) Climate Change Management, Handbook of Climate Change and Biodiversity Sawflies (Symphyta) are insects widely distributed throughout the world, but mostly abundant and diverse in the temperate regions of the Northern hemisphere. In Spain, they are linked to vegetation typical for aquatic environments (e.g. ponds and streams). While many sawfly species are serious pests...

Andalusia region • Climate change • Sawflies • Vertical and horizontal displacement

Book section | Peer-reviewed

Upgrading Comparative and Competitive Advantages for Ethanol Fuel Production From Agroindustrial Crops in Developing Countries: Mexico as a Case Study... Literature

Aguilar-Rivera, N. Serna-Lagunes, R. Michel-Cuello, C. Trujillo-Mata, A. (2019) Bioethanol Production from Food Crops The search for economic viability, sustainability, and competitiveness in large-scale, first- and second-generation ethanol production is a worldwide trend. However, instability in the raw material supply chain, the risk of using food and feed in ethanol production, high production costs, and enviro...

MaxEnt model • edaphoclimatic • ethanol issues • feedstocks • land suitability • value chain

Book section | Peer-reviewed

Data used in study [DOI](#) 10.15468/dl.rbnuyg

Towards global data products of Essential Biodiversity Variables on species traits Literature

Kissling, W. Walls, R. Bowser, A. Jones, M. Kattge, J. Agosti, D. ... (2018) Nature Ecology & Evolution Essential Biodiversity Variables (EBVs) allow observation and reporting of global biodiversity change, but a detailed framework for the empirical derivation of specific EBVs has yet to be developed. Here, we re-examine and refine the previous candidate set of species traits EBVs and show how traits ...

Journal article | Open access | Peer-reviewed

Morphometric characteristics of Alpine salamanders: a support for subspecies validation and conservation? Literature

Šunje, E. Van Damme, R. Jelić, D. Mueller, M. Škrijelj, R. Helfer, V. (2018) Amphibia-Reptilia The subspecies concept is not only useful to assess the evolutionary history of species and therefore describe their evolutionary

LITERATURE TRACKING NOT JUST PEER-REVIEWED PAPERS

The screenshot displays the GBIF Literature Search interface. On the left, a sidebar contains filters for 'Resources'. The 'Peer-reviewed' filter is highlighted with a red circle, showing options for 'All', 'Yes', and 'No'. The main content area shows search results for 'LITERATURE' with 6,440 results. The first result is 'Impact of Climate Change on Sawfly (Suborder: Symphyta) Pollinators in Andalusia Region, Spain', followed by 'Upgrading Comparative and Competitive Advantages for Ethanol Fuel Production From Agroindustrial Crops in Developing Countries: Mexico as a Case Study...', 'Towards global data products of Essential Biodiversity Variables on species traits', and 'Morphometric characteristics of Alpine salamanders: a support for subspecies validation and conservation?'. Each result includes a brief abstract and a 'Book section' or 'Journal article' label.

Get data Share Tools Inside GBIF

Resources

Search

Country or area of researcher

Country or area of coverage

Literature type

Relevance

Year

Topic

Dataset

Publisher

Peer-reviewed

All Yes No

Open access

Download key

Search for news, events, documents and much more. If you are looking for species occurrences then try our occurrence search.

OCCURRENCE SEARCH

SEARCH RESOURCES | 6,440 RESULTS

ALL NEWS DATA USE EVENTS PROJECTS PROGRAMMES TOOLS DOCUMENTS LITERATURE

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Andalusia region • Climate change • Sawflies • Vertical and horizontal displacement

Book section Peer-reviewed

Upgrading Comparative and Competitive Advantages for Ethanol Fuel Production From Agroindustrial Crops in Developing Countries: Mexico as a Case Study...

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MaxEnt model • edaphoclimatic • ethanol issues • feedstocks • land suitability • value chain

Book section Peer-reviewed

Data used in study DOI 10.15468/dl.rbnuyg

Towards global data products of Essential Biodiversity Variables on species traits

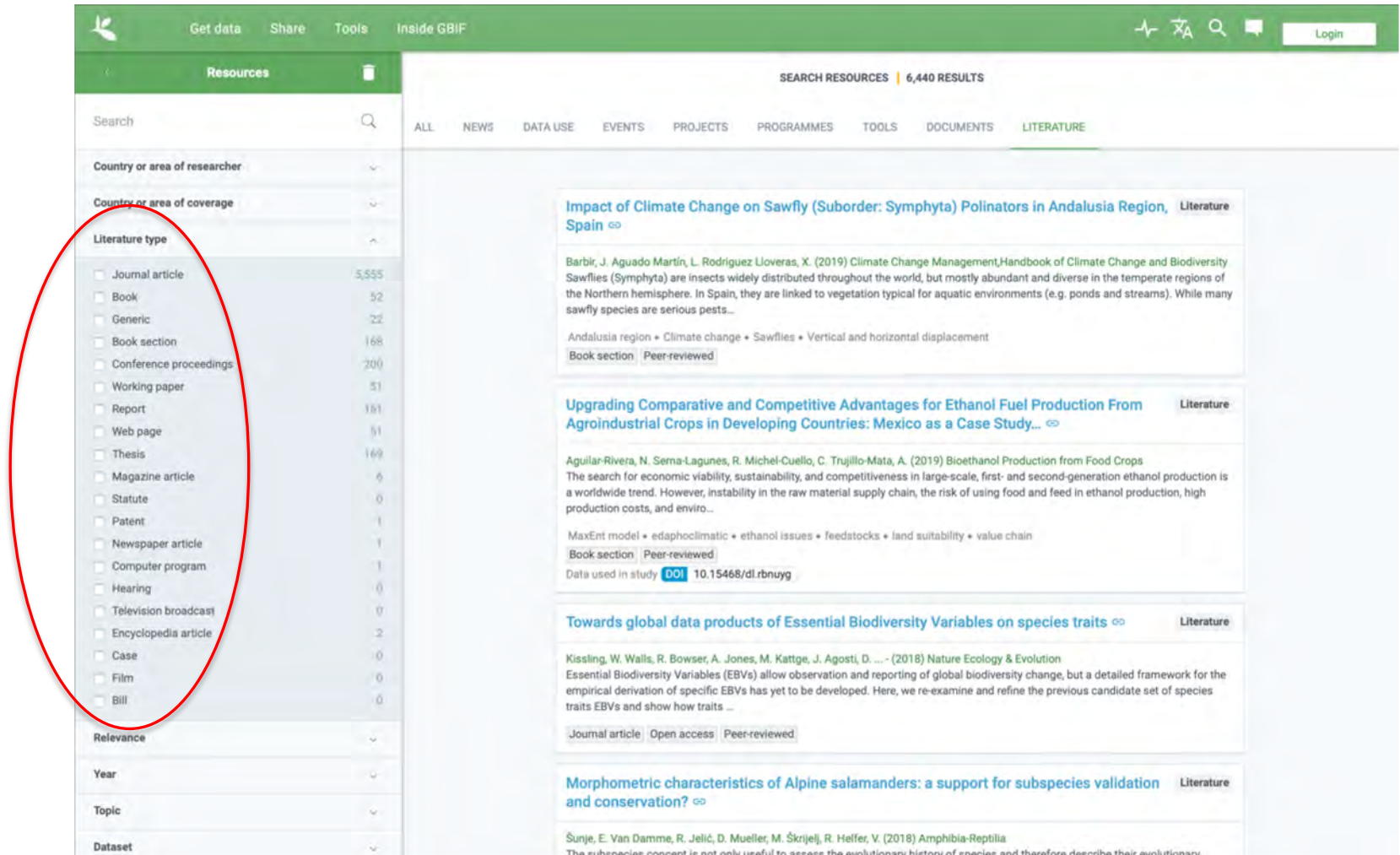
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Journal article Open access Peer-reviewed

Morphometric characteristics of Alpine salamanders: a support for subspecies validation and conservation?

Šunje, E. Van Damme, R. Jelić, D. Mueller, M. Škrijelj, R. Helfer, V. (2018) Amphibia-Reptilia The subspecies concept is not only useful to assess the evolutionary history of species and therefore describe their evolutionary

LITERATURE TRACKING NOT JUST PEER-REVIEWED PAPERS



The screenshot displays the GBIF Resources search interface. On the left, a sidebar contains filters for 'Country or area of researcher', 'Country or area of coverage', and 'Literature type'. The 'Literature type' filter is circled in red and lists various document types with their respective counts: Journal article (5,555), Book (52), Generic (22), Book section (168), Conference proceedings (200), Working paper (51), Report (181), Web page (51), Thesis (169), Magazine article (6), Statute (0), Patent (1), Newspaper article (1), Computer program (1), Hearing (0), Television broadcast (0), Encyclopedia article (2), Case (0), Film (0), and Bill (0). Below this list are filters for 'Relevance', 'Year', 'Topic', and 'Dataset'. The main content area shows search results for 'LITERATURE' with 6,440 results. Three results are visible, each with a title, authors, abstract, and tags. The first result is 'Impact of Climate Change on Sawfly (Suborder: Symphyta) Pollinators in Andalusia Region, Spain'. The second is 'Upgrading Comparative and Competitive Advantages for Ethanol Fuel Production From Agroindustrial Crops in Developing Countries: Mexico as a Case Study...'. The third is 'Towards global data products of Essential Biodiversity Variables on species traits'. Each result includes a 'Literature' tag and a 'Peer-reviewed' status.

Resources

Search

Country or area of researcher

Country or area of coverage

Literature type

- ☐ Journal article 5,555
- ☐ Book 52
- ☐ Generic 22
- ☐ Book section 168
- ☐ Conference proceedings 200
- ☐ Working paper 51
- ☐ Report 181
- ☐ Web page 51
- ☐ Thesis 169
- ☐ Magazine article 6
- ☐ Statute 0
- ☐ Patent 1
- ☐ Newspaper article 1
- ☐ Computer program 1
- ☐ Hearing 0
- ☐ Television broadcast 0
- ☐ Encyclopedia article 2
- ☐ Case 0
- ☐ Film 0
- ☐ Bill 0

Relevance

Year

Topic

Dataset

SEARCH RESOURCES | 6,440 RESULTS

ALL NEWS DATA USE EVENTS PROJECTS PROGRAMMES TOOLS DOCUMENTS LITERATURE

Impact of Climate Change on Sawfly (Suborder: Symphyta) Pollinators in Andalusia Region, Spain Literature

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Andalusia region • Climate change • Sawflies • Vertical and horizontal displacement

Book section | Peer-reviewed

Upgrading Comparative and Competitive Advantages for Ethanol Fuel Production From Agroindustrial Crops in Developing Countries: Mexico as a Case Study... Literature

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MaxEnt model • edaphoclimatic • ethanol issues • feedstocks • land suitability • value chain

Book section | Peer-reviewed

Data used in study DOI 10.15468/dl.rbnuyg

Towards global data products of Essential Biodiversity Variables on species traits Literature

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Journal article | Open access | Peer-reviewed

Morphometric characteristics of Alpine salamanders: a support for subspecies validation and conservation? Literature

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The subspecies concept is not only useful to assess the evolutionary history of species and therefore describe their evolutionary

LITERATURE TRACKING NOT JUST PEER-REVIEWED PAPERS

The screenshot shows the GBIF Literature Search interface. The left sidebar contains search filters, with the 'Relevance' section circled in red. The main area displays search results for literature, including titles, authors, and abstracts.

Resources

Search

Country or area of researcher

Country or area of coverage

Literature type

Relevance

- ☐ GBIF used 3,505
- ☐ GBIF cited 1,016
- ☐ GBIF discussed 449
- ☐ GBIF primary 157
- ☐ GBIF acknowledged 90
- ☐ GBIF published 181
- ☐ GBIF author 95
- ☐ GBIF mentioned 827
- ☐ GBIF funded 42

Year

Topic

Dataset

Publisher

Peer-reviewed

Open access

Download key

Search for news, events, documents and much more. If you are looking for species occurrences then try our Occurrence Search

SEARCH RESOURCES | 6,440 RESULTS

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Andalusia region • Climate change • Sawflies • Vertical and horizontal displacement

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Book section | Peer-reviewed

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Towards global data products of Essential Biodiversity Variables on species traits Literature

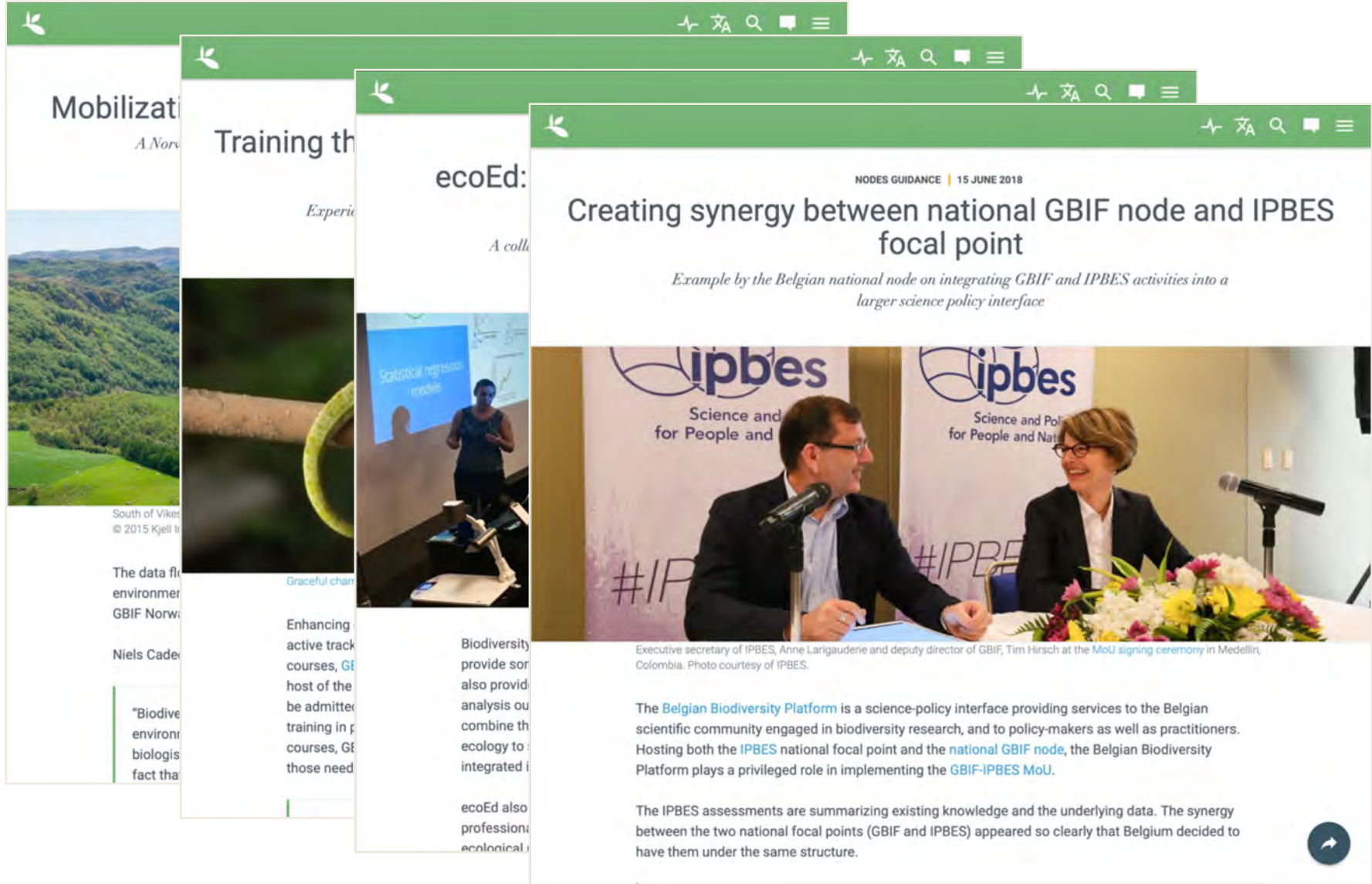
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Journal article | Open access | Peer-reviewed

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GUIDING EXAMPLES



Creating synergy between national GBIF node and IPBES focal point

Example by the Belgian national node on integrating GBIF and IPBES activities into a larger science policy interface

Executive secretary of IPBES, Anne Larigauderie and deputy director of GBIF, Tim Hirsch at the MoU signing ceremony in Medellin, Colombia. Photo courtesy of IPBES.

The **Belgian Biodiversity Platform** is a science-policy interface providing services to the Belgian scientific community engaged in biodiversity research, and to policy-makers as well as practitioners. Hosting both the **IPBES** national focal point and the **national GBIF node**, the Belgian Biodiversity Platform plays a privileged role in implementing the **GBIF-IPBES MoU**.

The IPBES assessments are summarizing existing knowledge and the underlying data. The synergy between the two national focal points (GBIF and IPBES) appeared so clearly that Belgium decided to have them under the same structure.

Other visible examples include:


- Mobilization**: A Norwegian example featuring a landscape photo and text about data flow in the environment.
- Training the**: An example featuring a photo of a person in a lab and text about enhancing active track courses.
- ecoEd**: An example featuring a photo of a person presenting and text about biodiversity providing services.

FEATURE STORIES ON SCIENCE & POLICY

NEWS | 29 AUGUST 2018

Adding sequence-based identifiers to backbone taxonomy reveals 'dark taxa' fungi

Pilot project with northern European researchers enables inclusion of non-Linnaean 'species hypotheses' aimed at advancing scientific understanding of mycology and functional biodiversity



Hygrocybe conica, observed in Trondheim, Norway by Ole Reitan, via Norwegian Species Observation Service. Photo licensed under CC BY 4.0.

Until a few weeks ago, the GBIF backbone taxonomy fit snugly within a traditional model, classifying and ranking organisms' names using the system that Carl Linnaeus first outlined in *Systema Naturae* in 1735. By combining name-based information from dozens of different authoritative sources like the [Catalogue of Life](#), [IRMNG](#) and the [World Register of Marine Species](#) (affectionately known as 'WoRMS'), the backbone provides a consistent means of organizing all species-related content on GBIF.org—like datasets, occurrences and species pages—and enables all forms of taxonomic searching, browsing and reporting.

- Who needs to hear stories from the GBIF network?
- Literature tracking originally built for communications
- Charts, maps & visualizations are all human-designed & hand-curated