

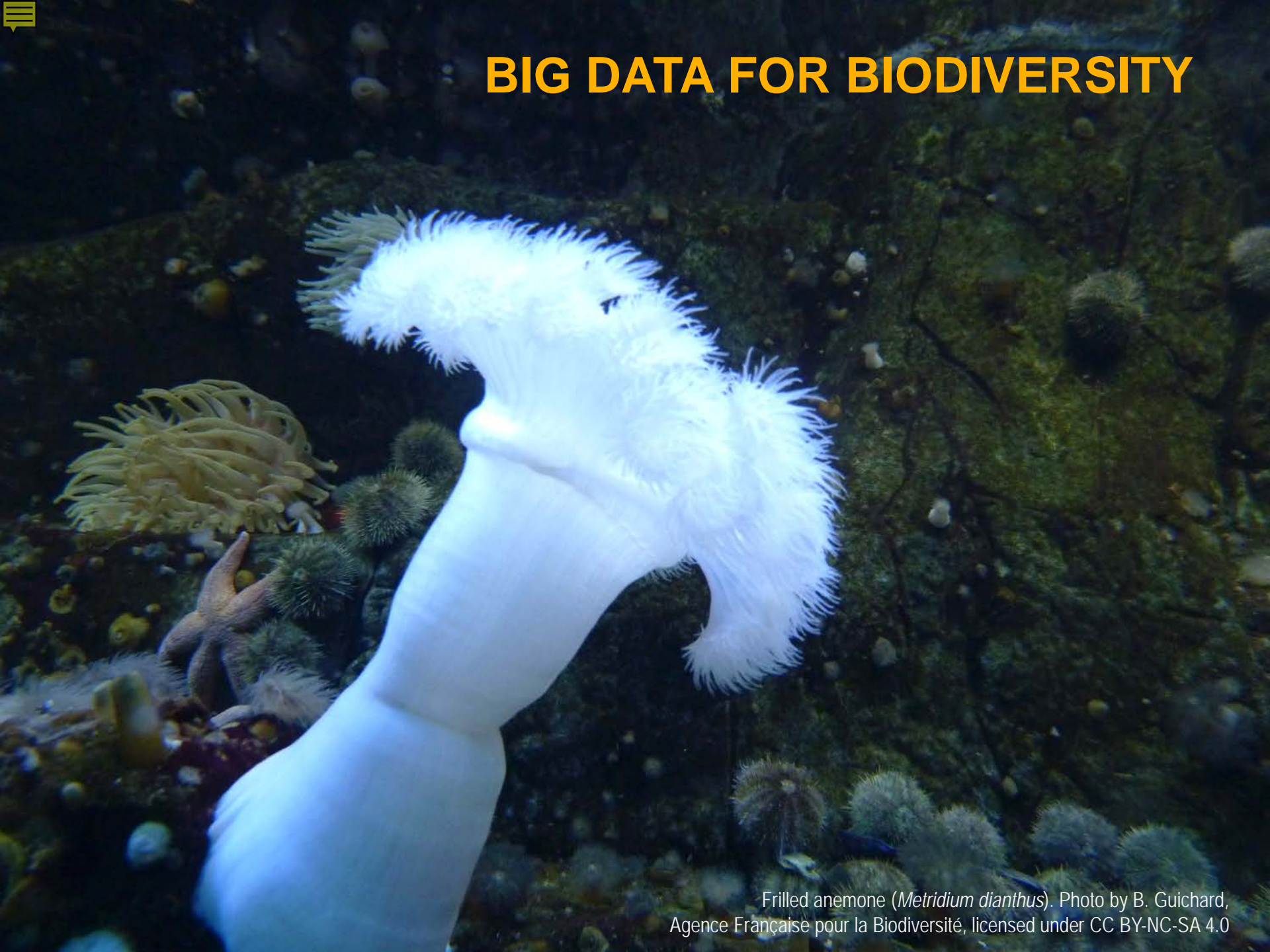
# Introduction to the Global Biodiversity Information Facility

*Dr. Melanie Raymond, Senior Programme Officer for Node Development, GBIF Secretariat*





# BIG DATA FOR BIODIVERSITY



Frilled anemone (*Metridium dianthus*). Photo by B. Guichard,  
Agence Française pour la Biodiversité, licensed under CC BY-NC-SA 4.0



# GBIF

## BY THE NUMBERS

*5 August 2019*

*Species occurrence records*

**1,330,599,502**

*Datasets*

**45,627**

*Country  
Participants*

**58**

*Organizational  
Participants*

**38**

*Publishers*

**1,438**

*Average records downloaded per month 2019 YTD*

**36.9 billion**

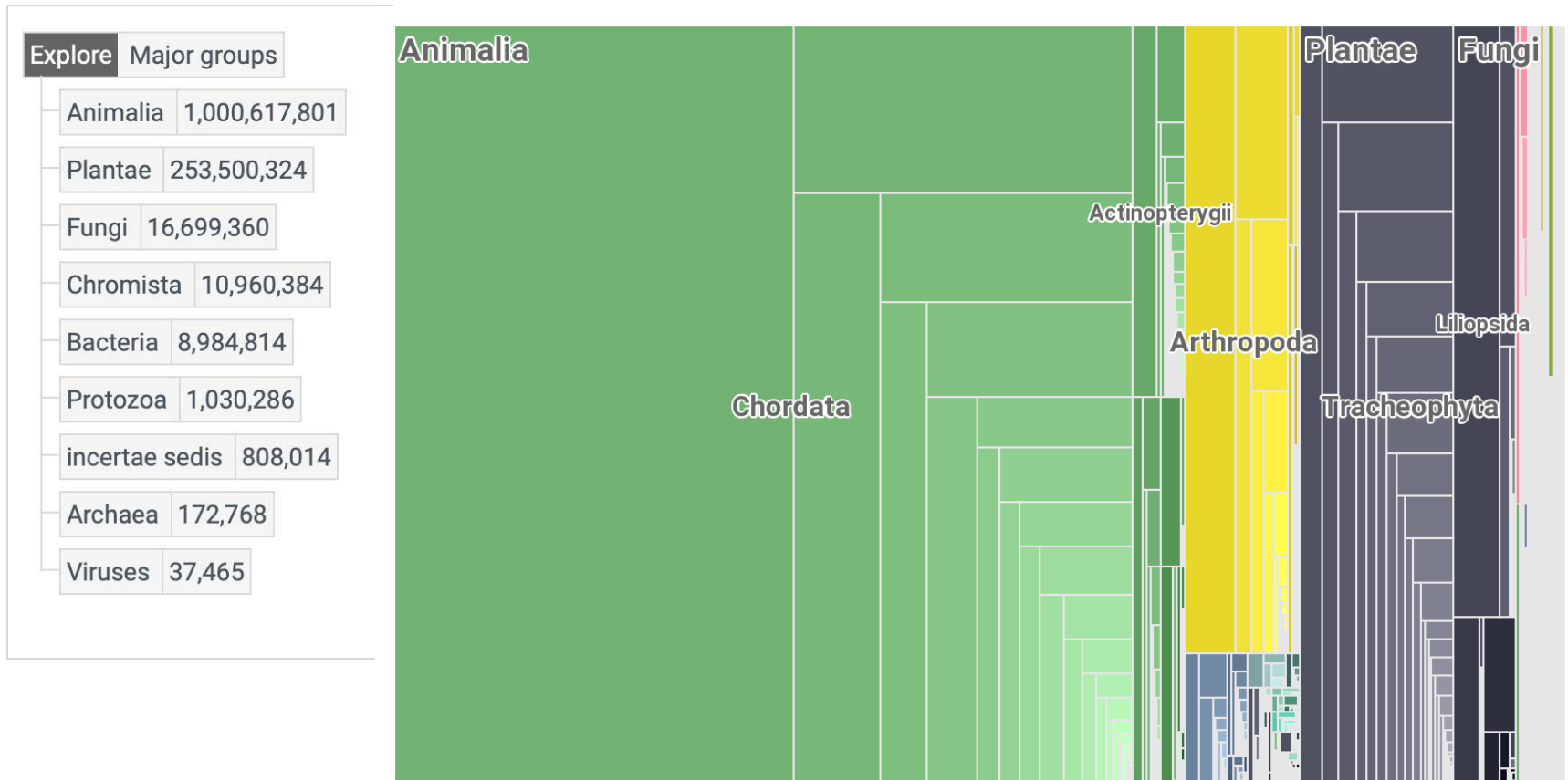
*Avg monthly user sessions 2019 YTD*

**166,106**

# Window on biodiversity

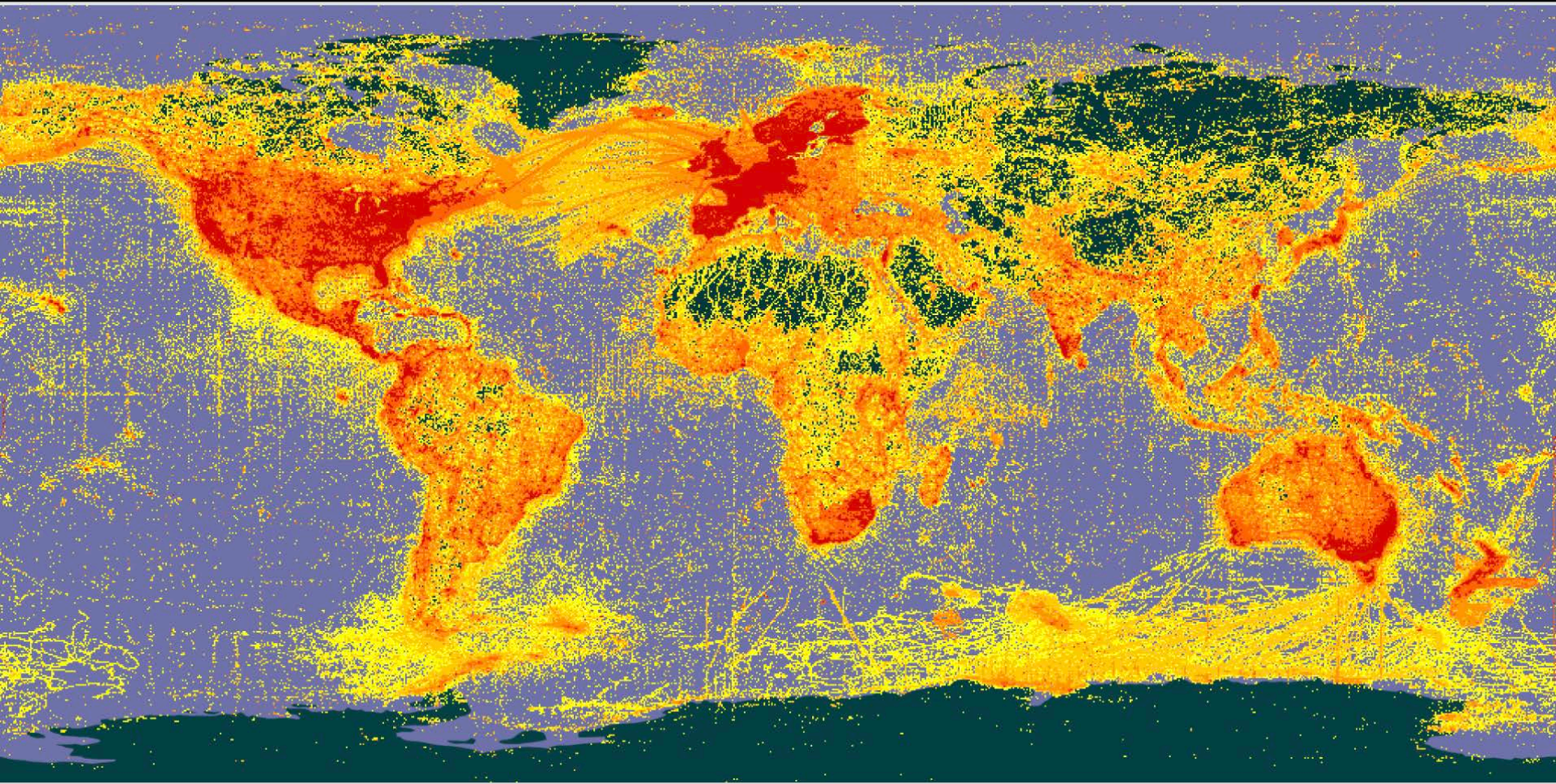


# DATA TRENDS



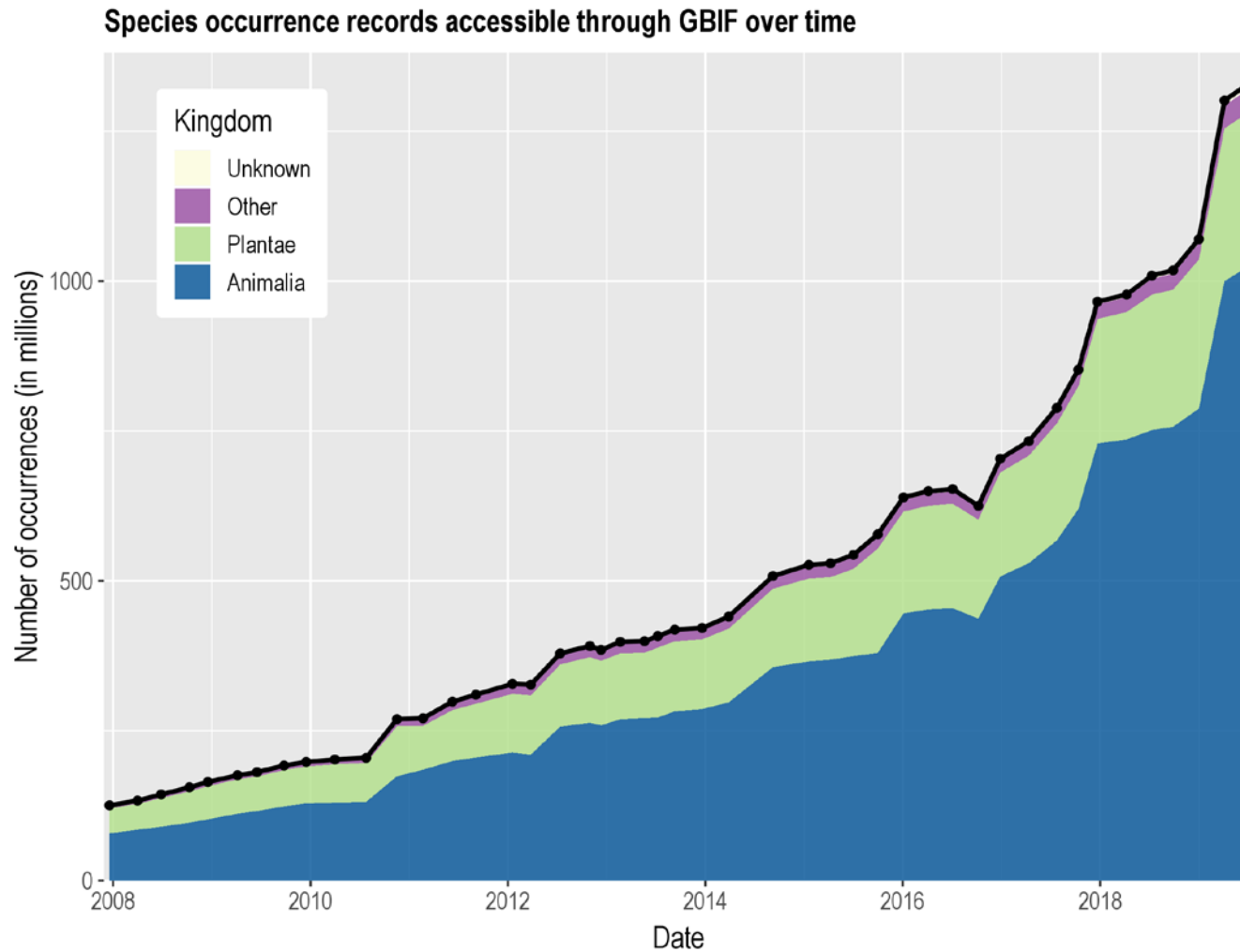


# DATA TRENDS





# DATA TRENDS






Informatics infrastructure focused on tools  
and standards in service to science and  
society





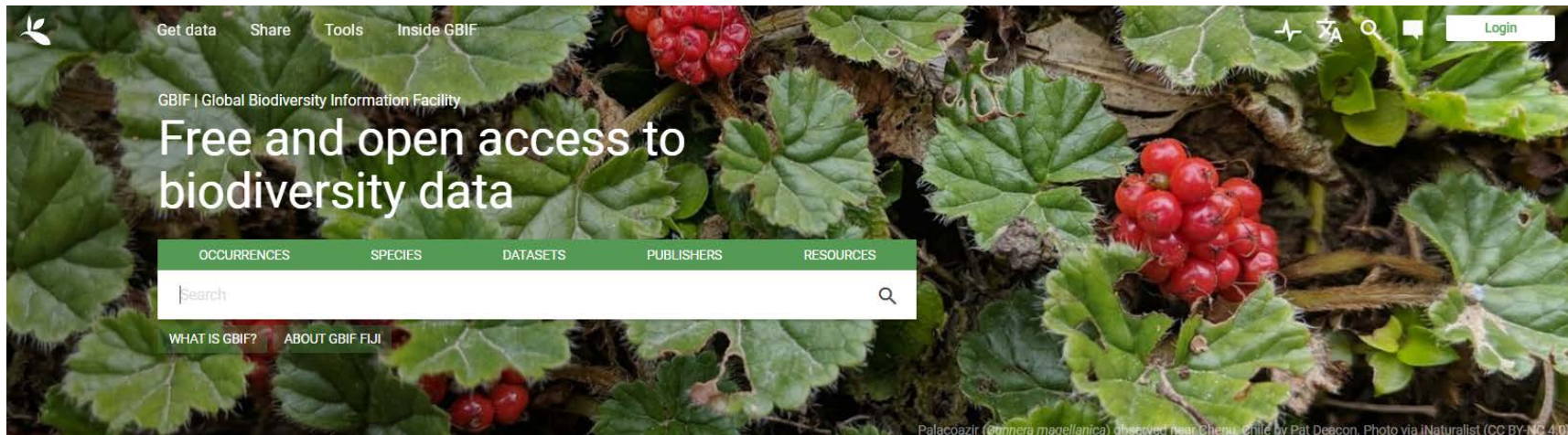
[Get data](#)[Share](#)[Tools](#)[Inside GBIF](#)

GBIF | Global Biodiversity Information Facility


Free and open access to biodiversity data

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

[WHAT IS GBIF?](#)[ABOUT GBIF FIJI](#)




Occurrence records  
1,330,599,503



News

Belarus extends GBIF's European membership map eastward  
16 July 2019


Datasets  
45,627



Data use

Minimizing biodiversity loss in the Brazilian Cerrado  
2 July 2019


Publishing institutions  
1,438



Data use

Science Review 2019  
Stay up to date on the latest research investigations enhanced and supported by free and open access to biodiversity data.

Peer-reviewed papers using data  
3,758



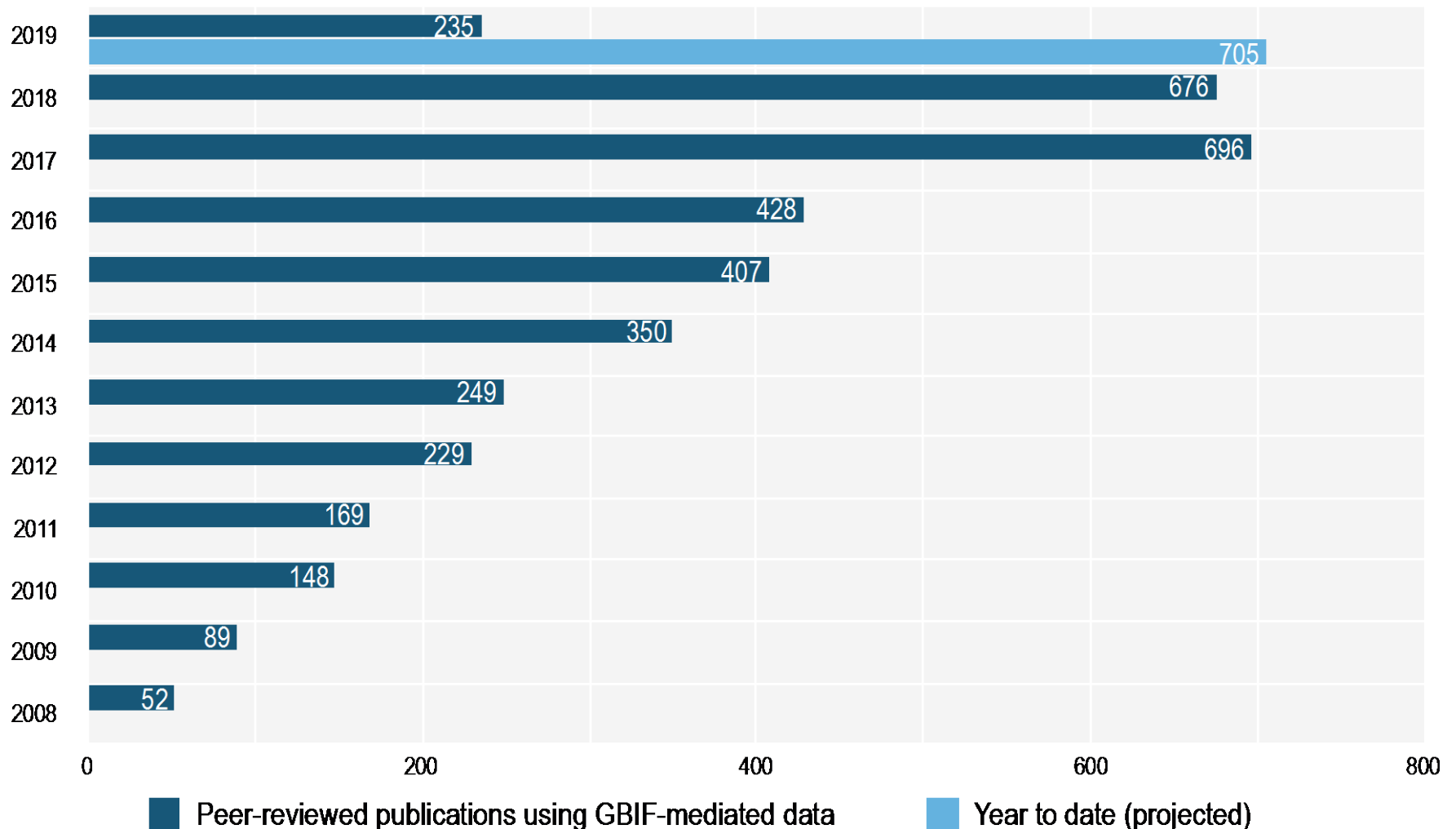
News

Programme seeks Biodiversity Open Data Ambassadors to expand best practices  
10 July 2019



# PEER-REVIEWED PUBLICATIONS USING GBIF-MEDIATED DATA

*through 30 April 2019*





OCCURRENCE DATASET | REGISTERED FEBRUARY 9, 2012

# iNaturalist Research-grade Observations

Published by [iNaturalist.org](#).[DATASET](#) [METRICS](#) [ACTIVITY](#) [DOWNLOAD](#) [HOME PAGE](#)

8,914,154 OCCURRENCES 329 CITATIONS

Research-grade observations from [iNaturalist.org](#). iNaturalist is a joint initiative of the California Academy of Sciences and the National Geographic Society.

**iNaturalist.org**

Metadata last modified: June 17, 2019

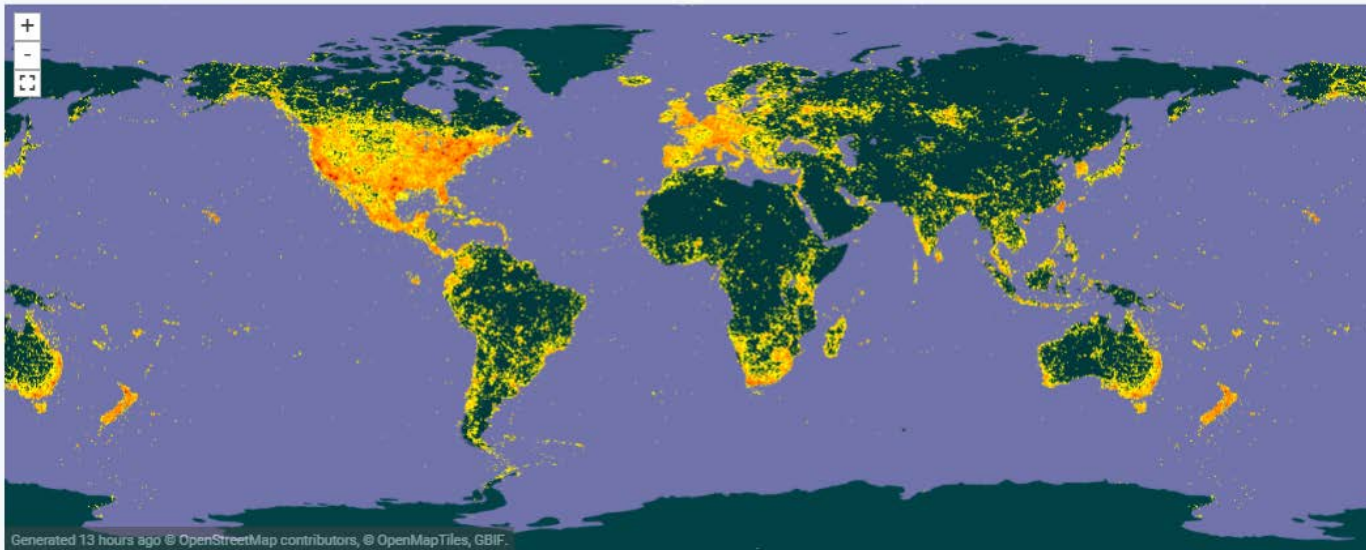
Data last changed: June 17, 2019

Hosted by: [iNaturalist.org](#)

License: CC BY-NC 4.0

[How to cite](#) [DOI](#) 10.15468/ab3s5x8,914,154  
Occurrences100%  
With taxon match99.7%  
With coordinates99.9%  
With year

8,883,329 GEOREFERENCED RECORDS



Generated 13 hours ago © OpenStreetMap contributors, © OpenMapTiles, GBIF.

Any year

1897 - 2019

EXPLORE



8,153,510 OCCURRENCES WITH IMAGES





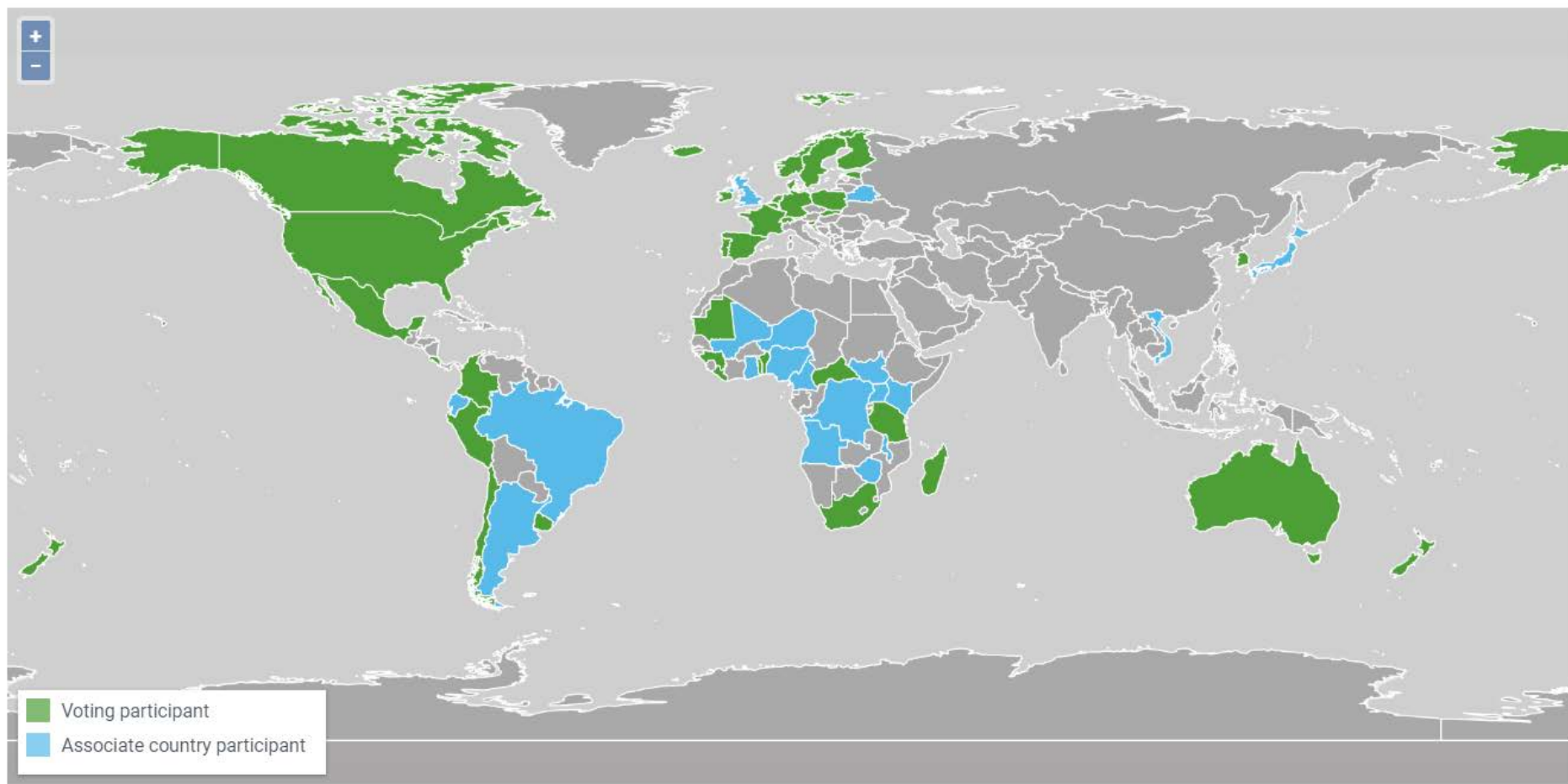
# Global biodiversity informatics community

# GBIF SECRETARIAT

*November 2018*



# THE GBIF (PARTICIPANT) NETWORK



39 VOTING PARTICIPANTS

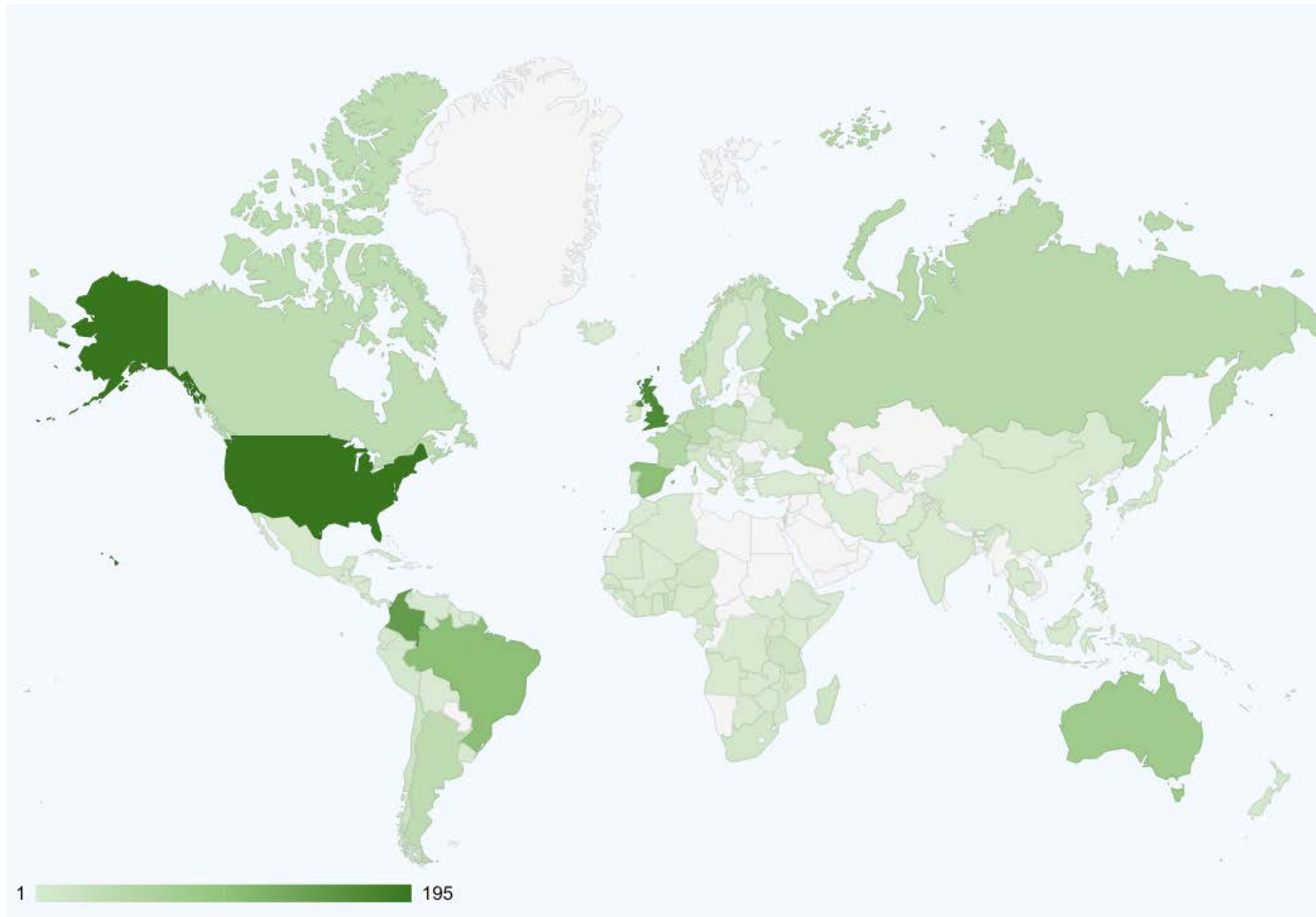
19 ASSOCIATE COUNTRY PARTICIPANTS

38 OTHER ASSOCIATE PARTICIPANTS

1,438 PUBLISHERS



# THE GBIF NETWORK *SENSU LATO*



Capacity development is essential



# UNDERPINNING PERFORMANCE OF GBIF'S DECENTRALIZED NETWORK

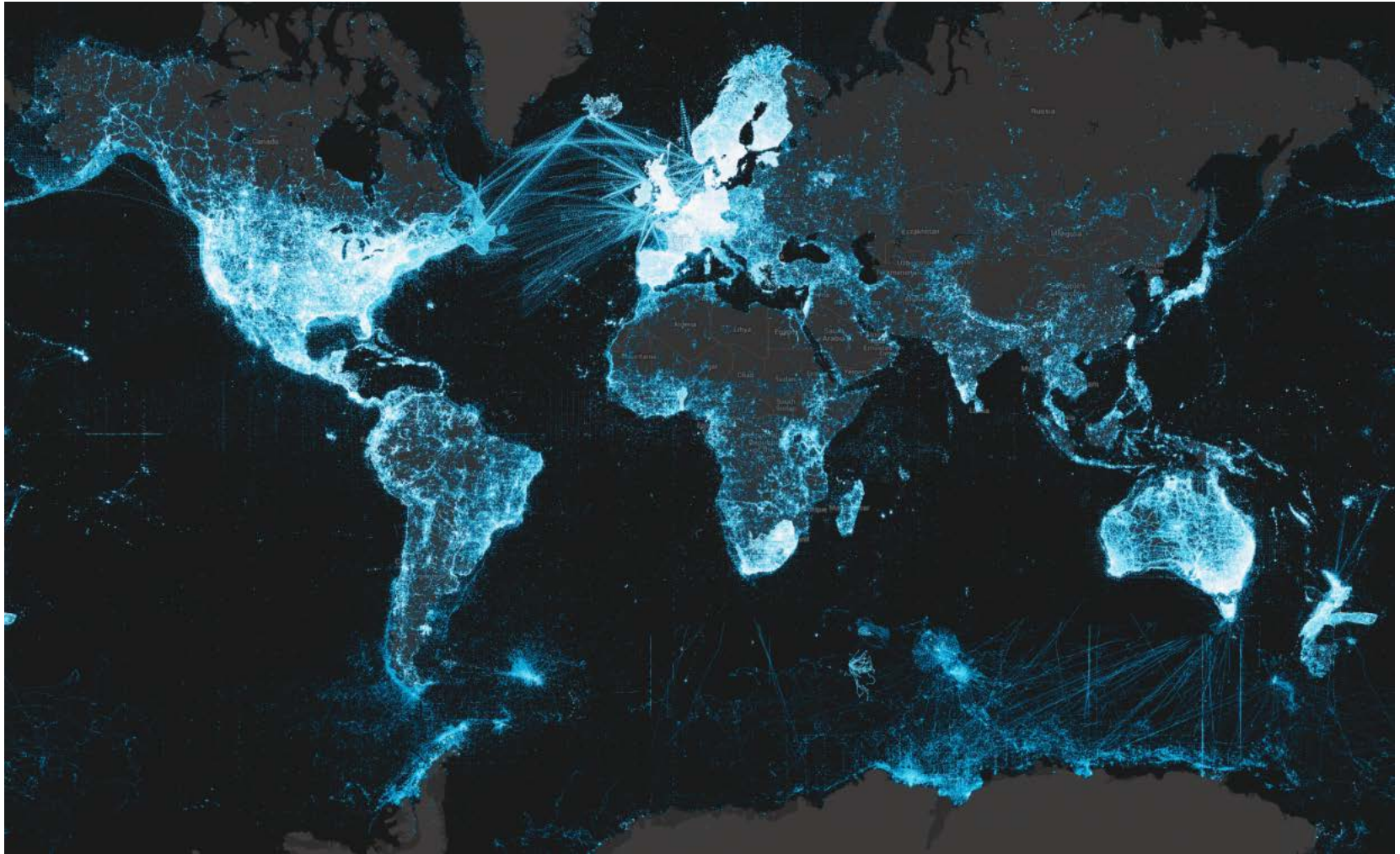
*"The Participant Biodiversity Information Facility should be the main mechanism by which the GBIF Participant ... contributes to and benefits from...GBIF as a globally decentralized initiative."*







# ENABLING GBIF TO BE TRULY GLOBAL IN SCOPE



# DEVELOPING NEW APPROACHES THROUGH INTERNATIONAL AND REGIONAL COLLABORATION

## Establishing a national node for Chile to enhance Latin America regional capacity

1 Jun 2017 - 31 Jul 2018 € 20,000

ABOUT NEWS & EVENTS DATASETS



Close-up detail of a Pahuin or Monkey Puzzle tree (*Araucaria araucana*) by Sergio Miranda. Photo licensed under CC BY 3.0.

## Extending tools for improving biodiversity data quality to Spanish-speaking communities

24 Jul 2017 - 31 Aug 2018 € 8,000

ABOUT NEWS & EVENTS



Red Hummingbird (*Eriofora erythraea*) by Andrew Morfeen. Photo licensed under CC BY-NC-SA 2.0.

## European Bireme: EU Nodes in biodiversity reporting mechanisms

1 Jun 2017 - 15 Sep 2018 € 4,000

ABOUT NEWS & EVENTS



Pinksie flower (*Pulsatilla vulgaris*) by Sander Huisman. Photo licensed under CC BY-NC-SA 2.0.

## Promote GBIF in the African Portuguese speaking countries through documentation and seminars

1 May 2015 - 1 Jun 2016 € 8,000

ABOUT NEWS & EVENTS



Photo: Miradouro da Lua, Angola. By Paulo César Santos, via Wikimedia Commons. CC0 1.0.

## Engaging academia to unlock access to biodiversity data in southern Africa

1 Jul 2018 - 31 May 2019 € 10,462

ABOUT



Bird of paradise flower (*Strelitzia reginae*) taken at the Kirstenbosch Botanical Garden, South Africa. Photo by Mahéva Bagard Laursen. Licensed under CC BY-SA 2.0.





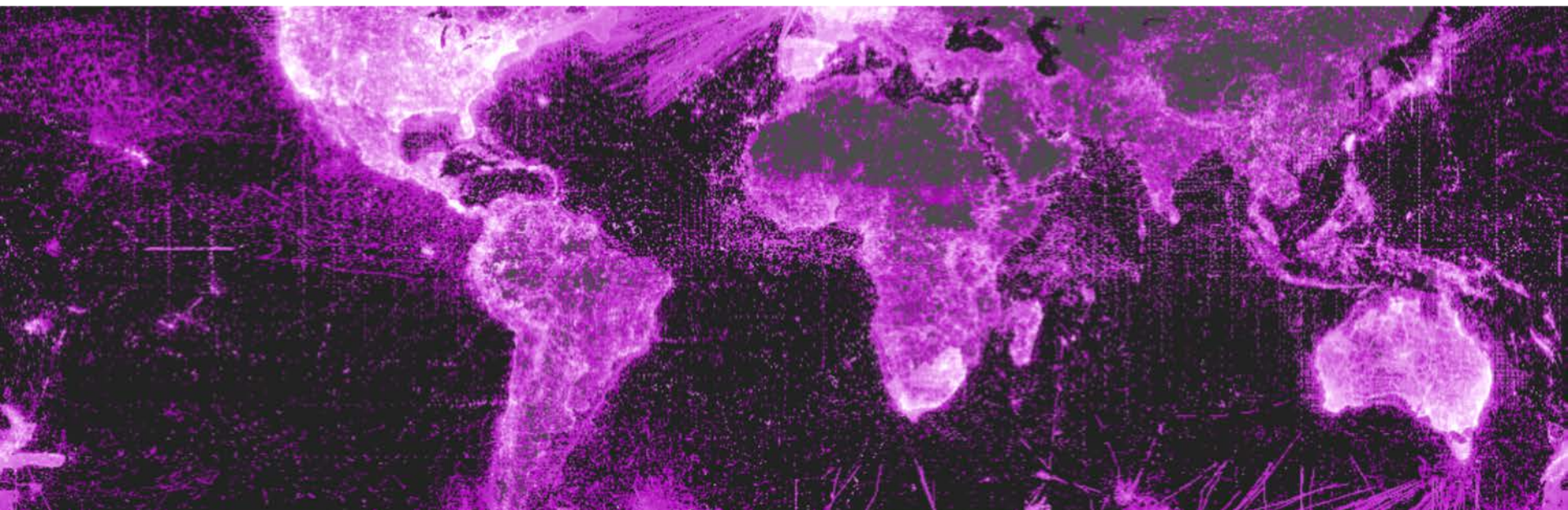


# CHALLENGES

How can we strengthen GBIF Participation in the Pacific?

What can we learn from the first round of BID projects in the region?

What are the regional priorities for BID that we can take to our funders?



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