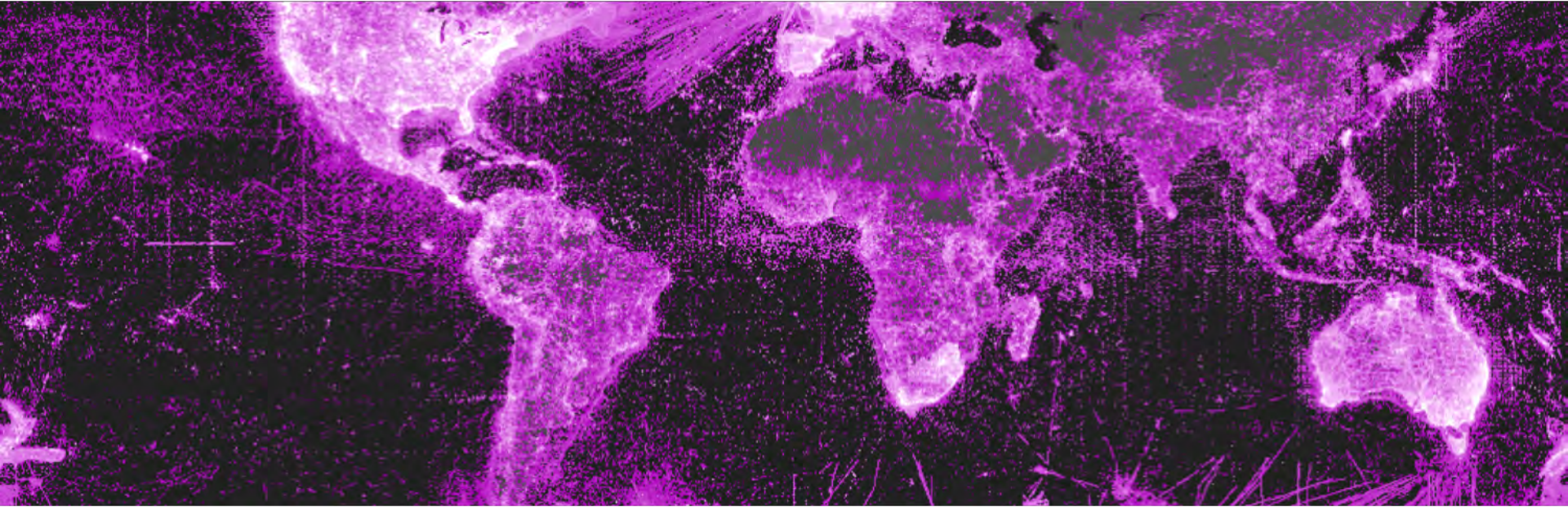




GBIF

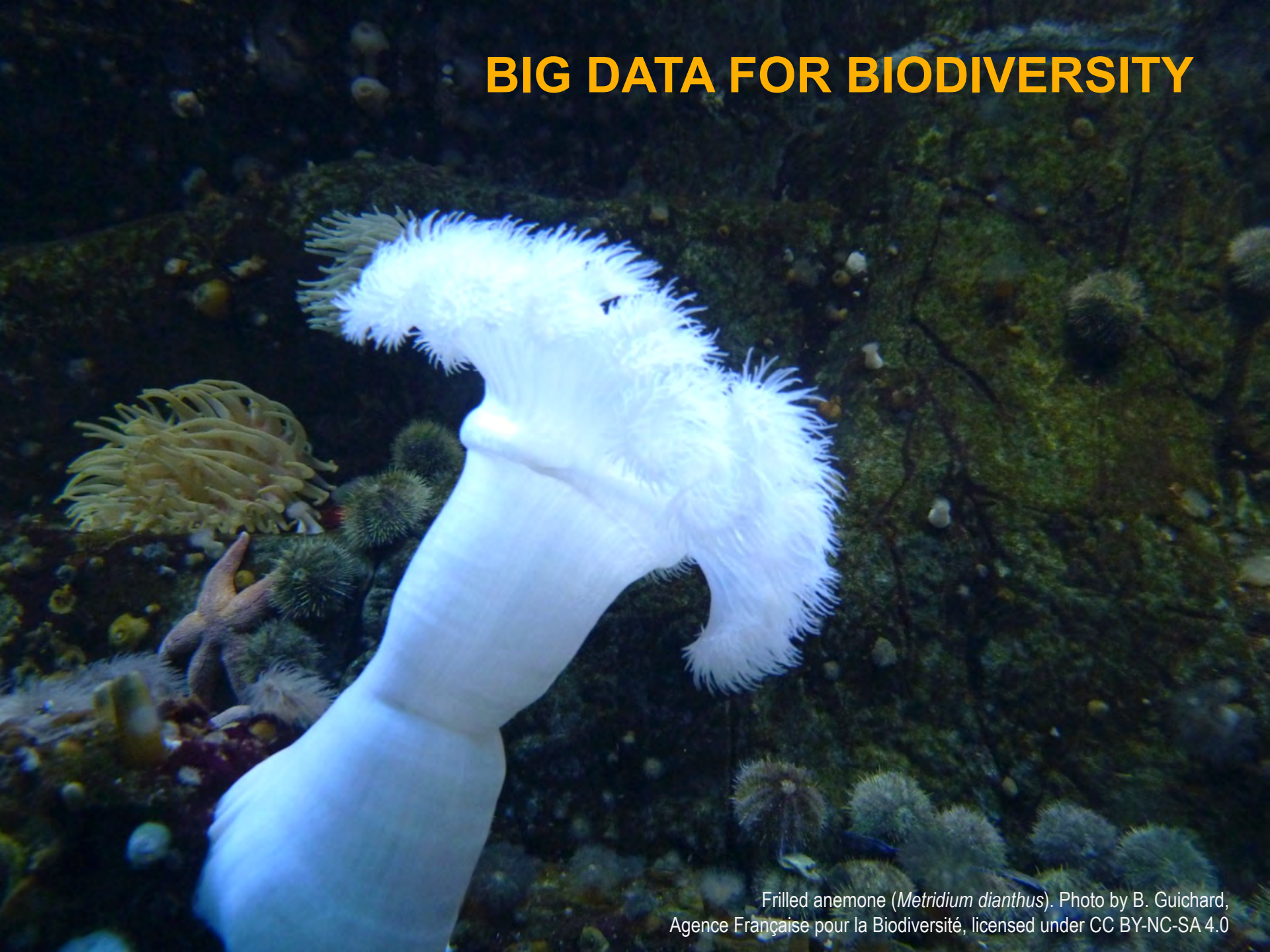
Global Biodiversity
Information Facility



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



BY THE NUMBERS

21 June 2019

Species occurrence records

1,325,058,611

Datasets

45,157

*Country
Participants*

59

*Organizational
Participants*

38

Publishers

1,414

Average records downloaded per month 2019 YTD

36.9 billion

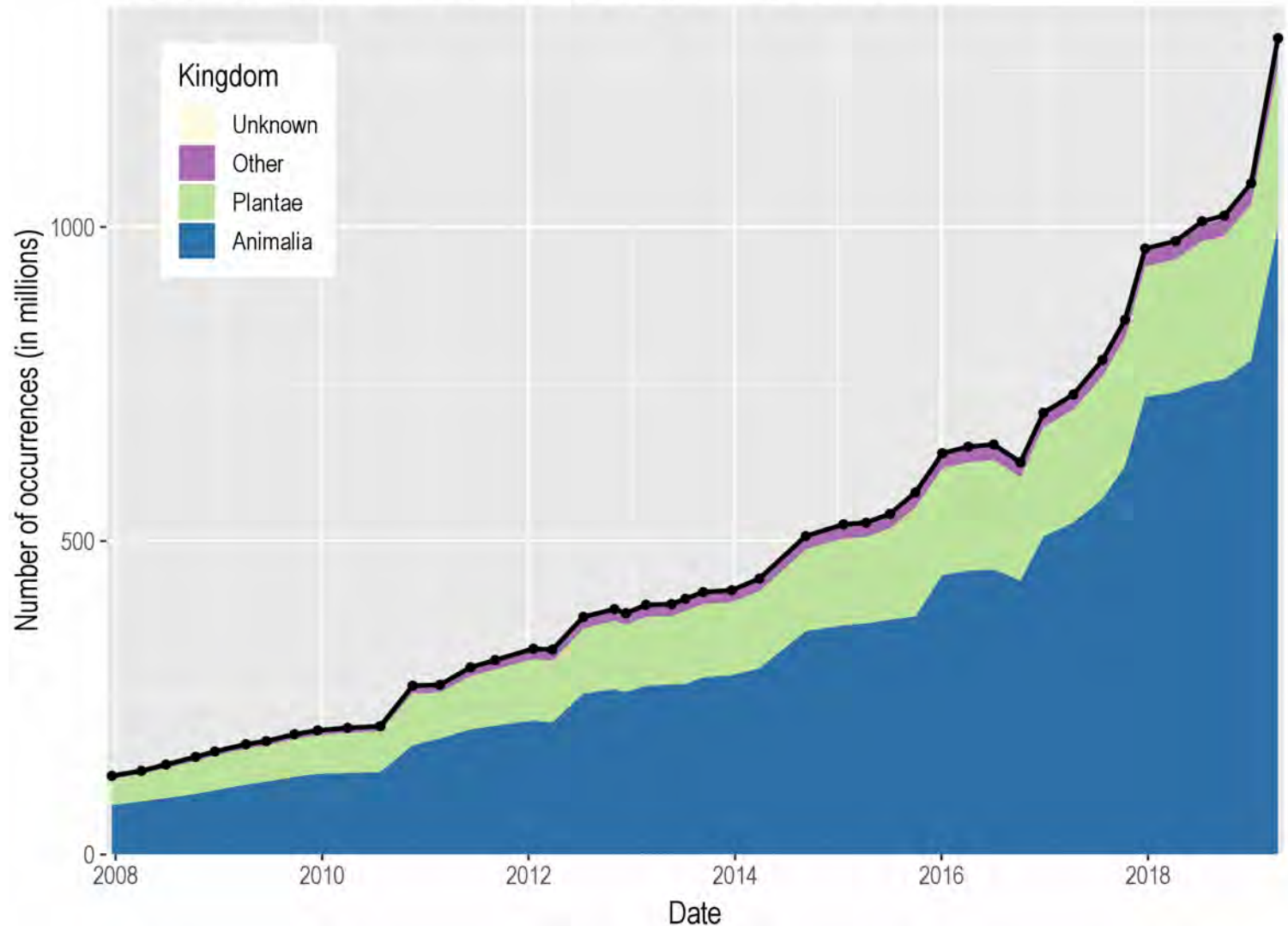
Avg monthly user sessions 2019 YTD

166,106

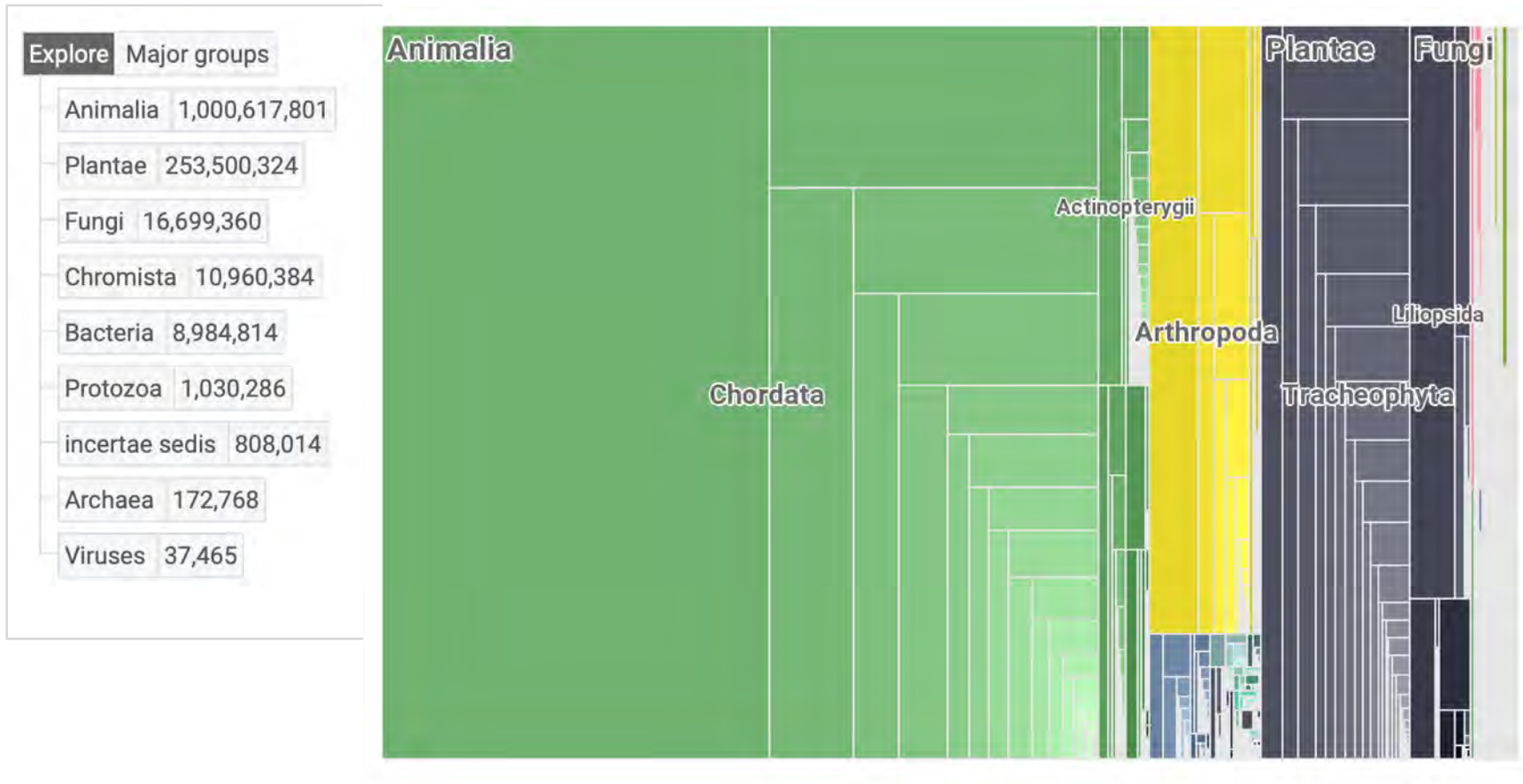
Window on biodiversity

DATA TRENDS

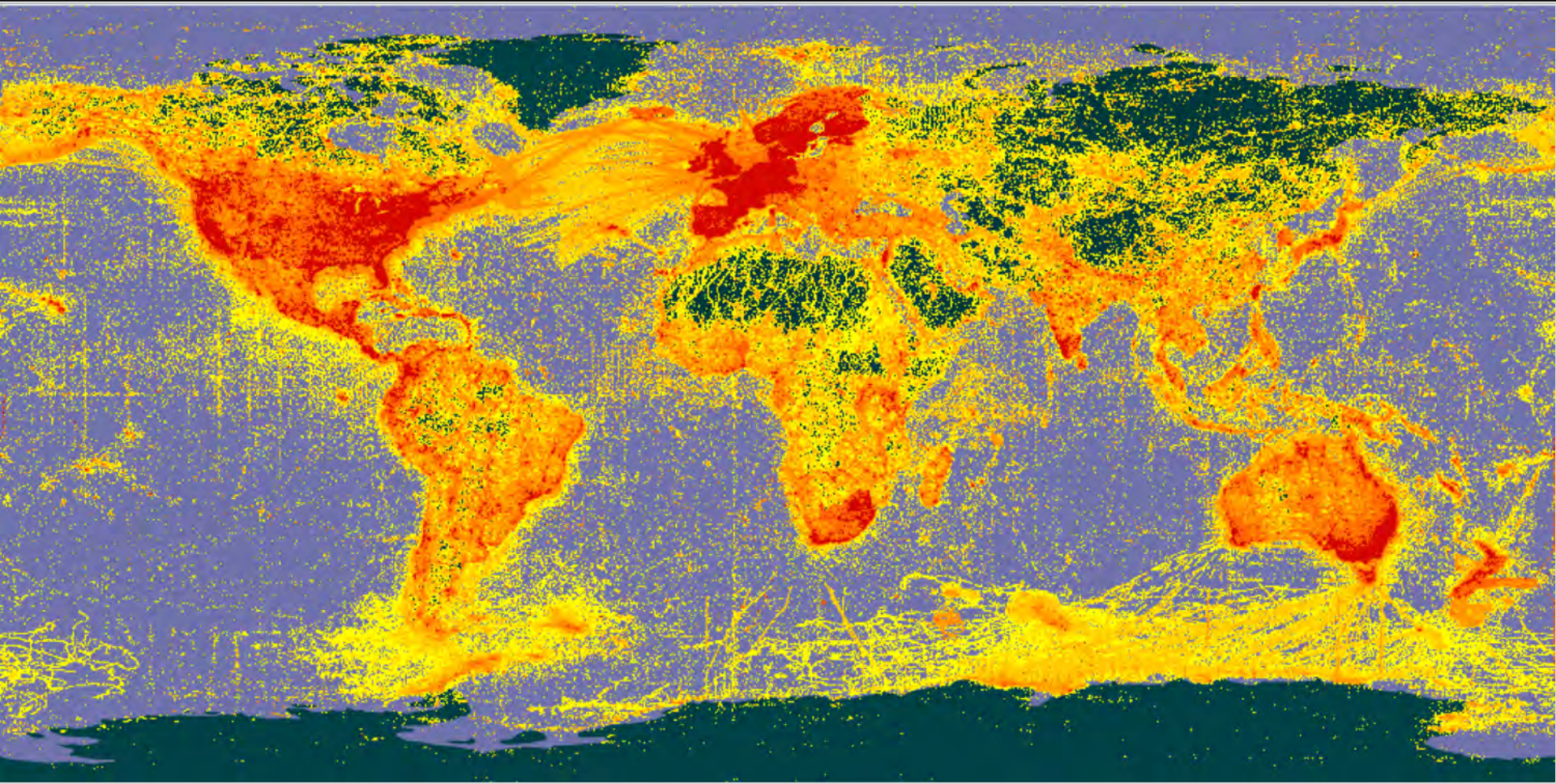
Species occurrence records accessible through GBIF over time



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

Search



WHAT IS GBIF?

ABOUT GBIF TRINIDAD AND TOBAGO

Red-rumped agouti (*Dasyprocta leporina*) observed in the Asa Wright Nature Centre, Tr

Occurrence records
1,325,395,171

Datasets
45,186

Publishing institutions
1,416

Peer-reviewed papers using data
3,725



News

Strengthening the Living Atlases
Community of Practice
18 June 2019



Data use

KnowBR: mapping geographical
variation of biodiversity survey effort
17 June 2019



News

2019 GBIF Ebbe Nielsen Challenge
seeks open-data innovations for
biodiversity
Deadline: 1 August 2019

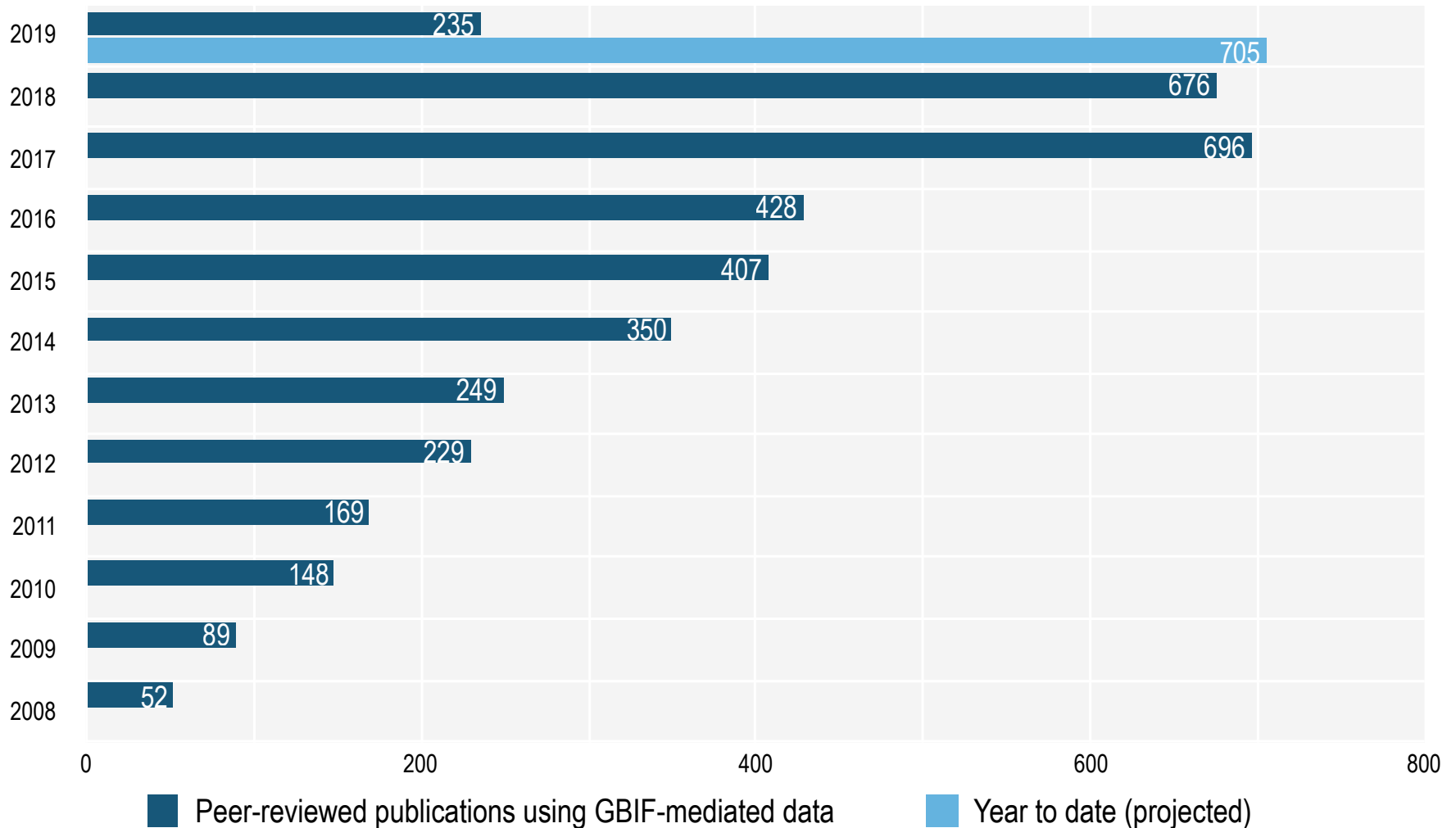


News

Data mobilization and capacity
building essential to address global
biodiversity crisis
6 May 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

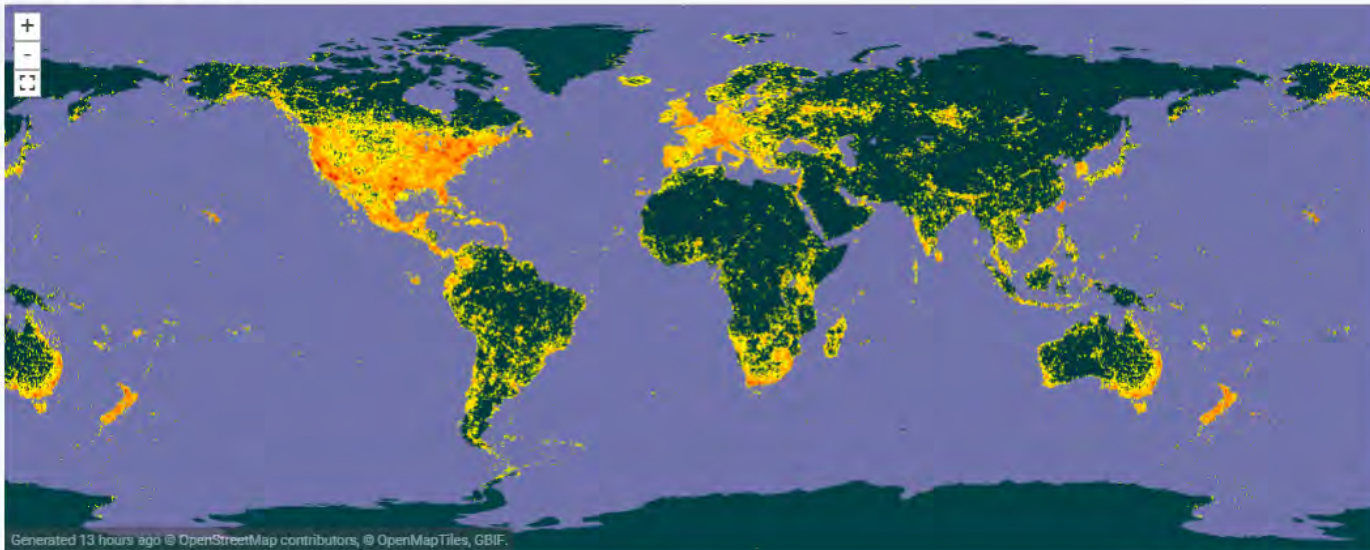
Data last changed: June 17, 2019

Hosted by: [iNaturalist.org](#)

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[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

GLOBAL

AFRICA

ASIA

EUROPE

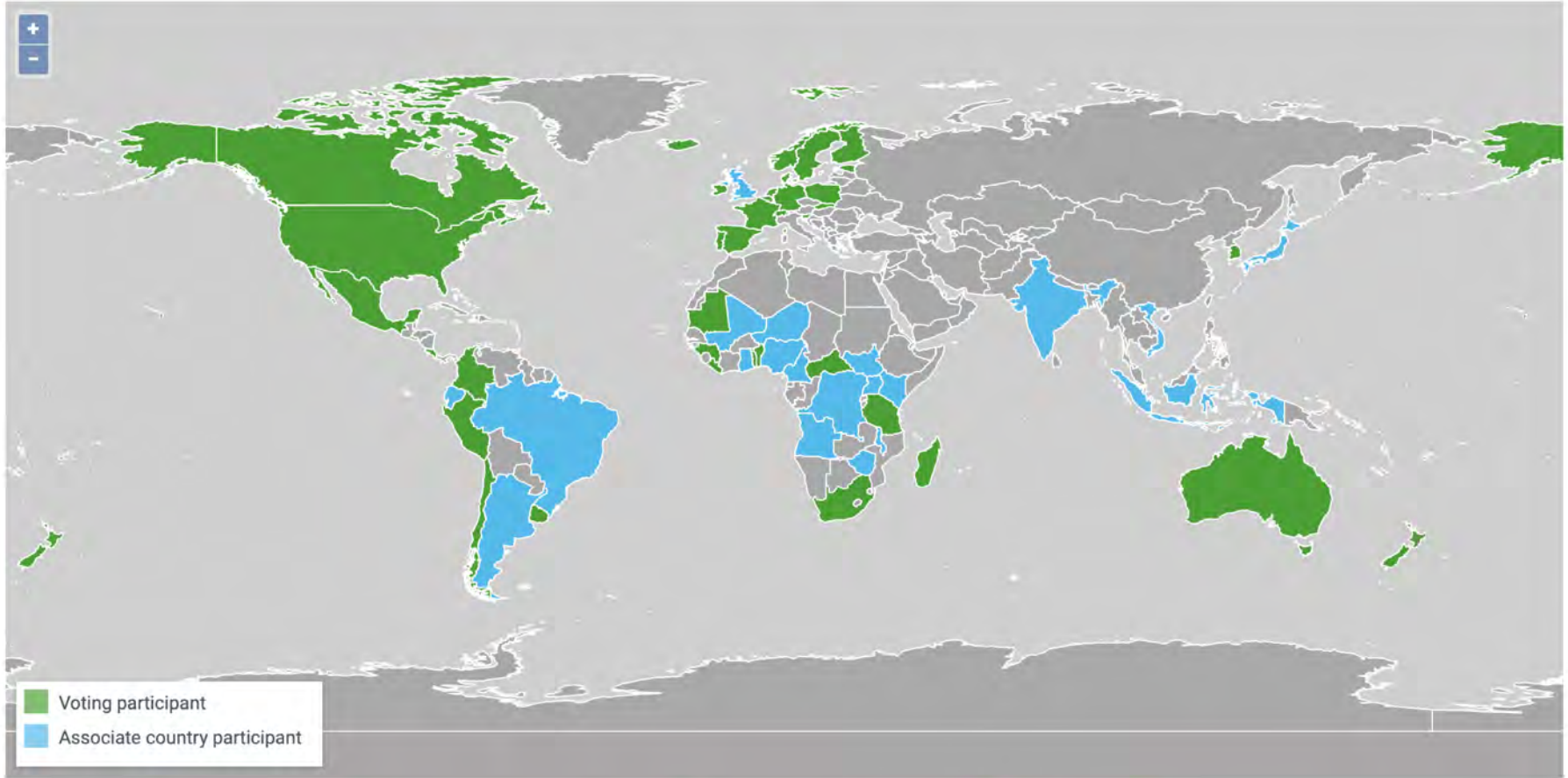
LATIN AMERICA AND THE CARIBBEAN

NORTH AMERICA

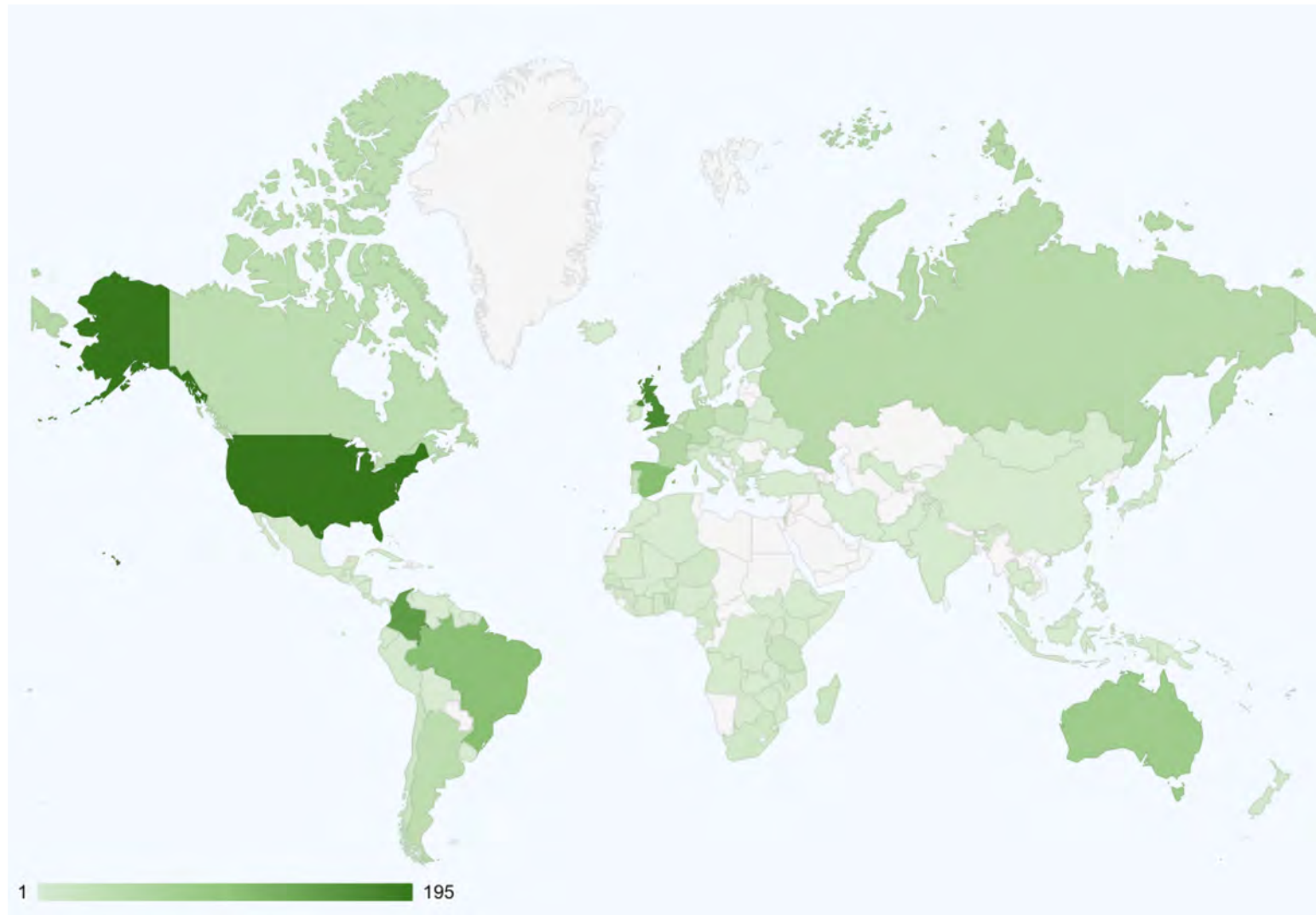
OCEANIA

PARTICIPANT ORGANISATIONS

GBIF AFFILIATES



THE GBIF NETWORK *SENSU LATO*



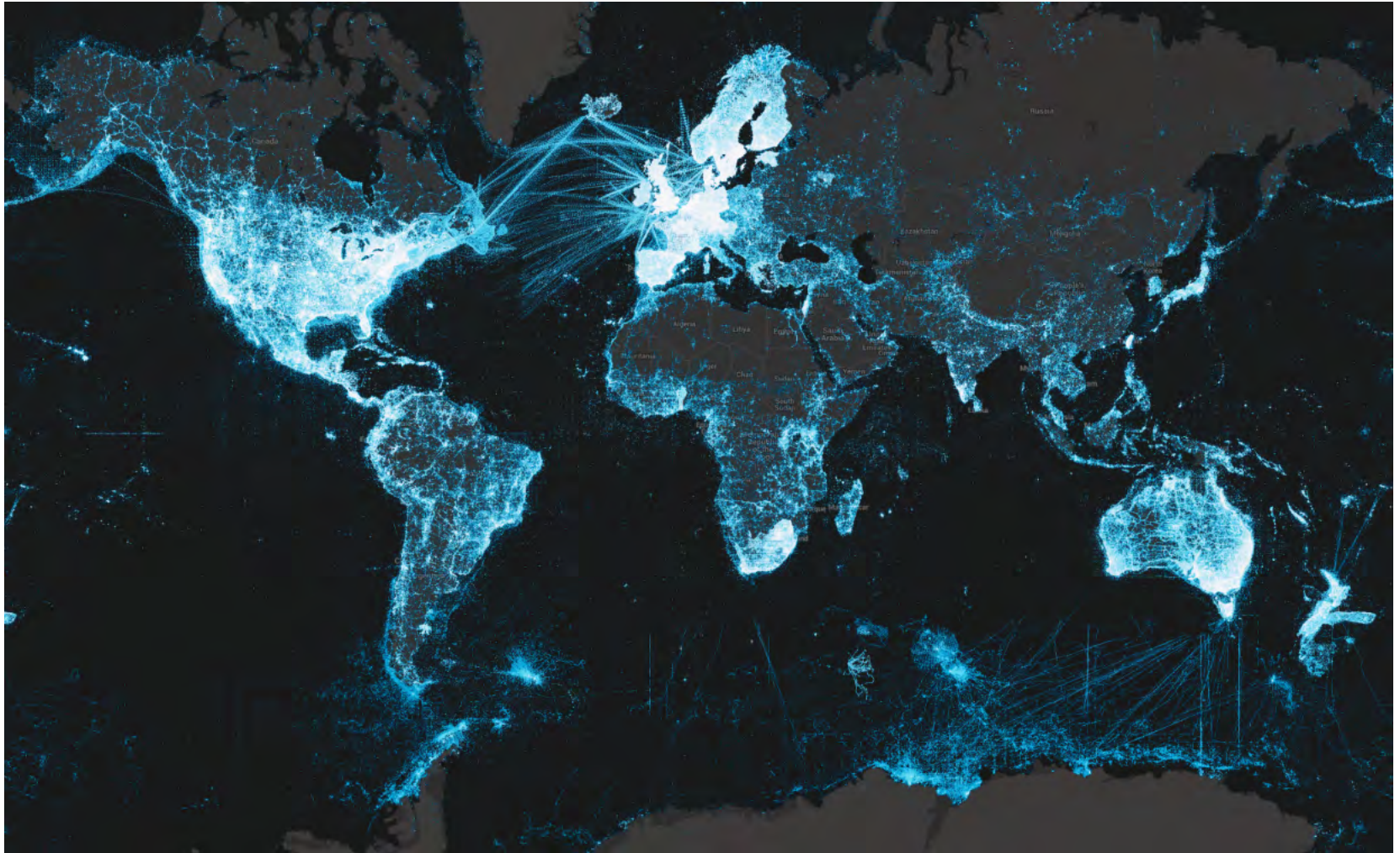
Capacity development is essential

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 palm or Monkey Puzzle tree (*Podocarpus nelsonii*) by Sergio Miranda. Photo licensed under CC BY 2.0.

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

24 Jul 2017 - 31 Aug 2018 € 8,000

ABOUT NEWS & EVENTS



Red-throated hummingbird (*Colibri auratus*) by Andrew Mottram. 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



Pink poppy (*Papaver vulgaris*) by David H. J. van der Meulen. 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 de Luã, 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 (*Drepanoliza reginae*) taken at the Kirstenbosch Botanical Garden, South Africa. Photo by Mahera Bagard-Lauritzen licensed under CC BY-SA 2.0.



CHALLENGES

How can we strengthen GBIF Participation in the Caribbean?

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?