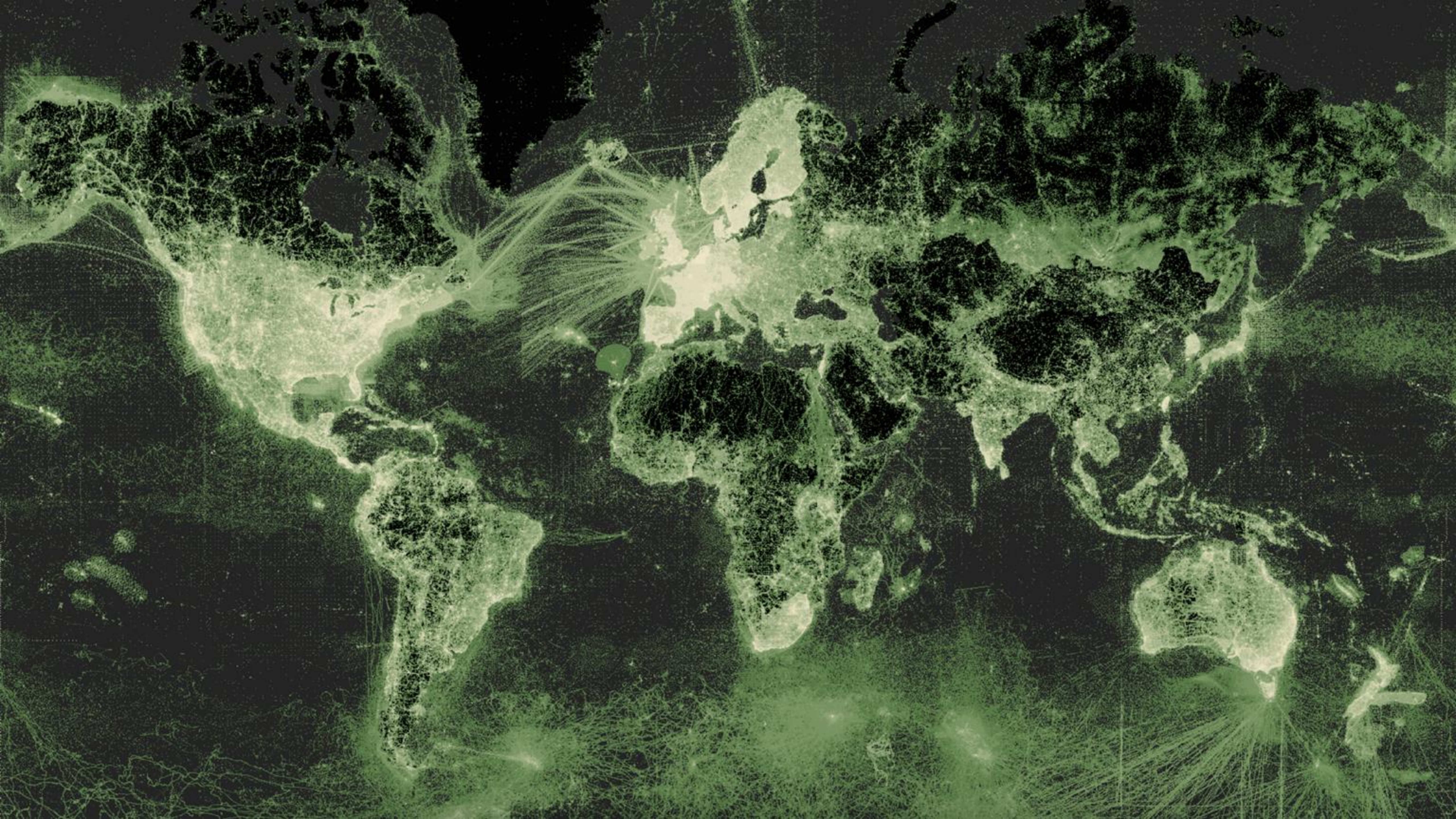


GBIF Global Biodiversity Information Facility

Rui Figueira, ISA, ULisboa

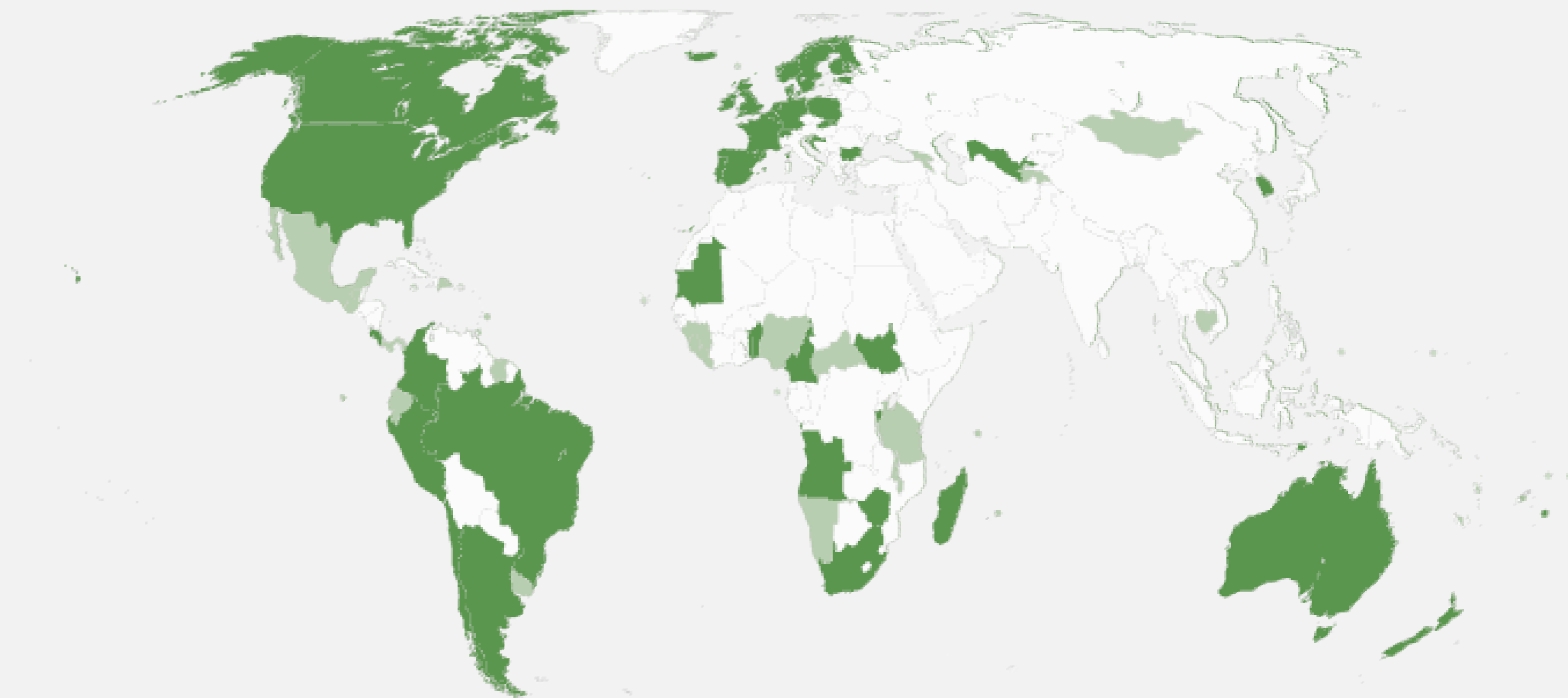




GBIF Participant countries

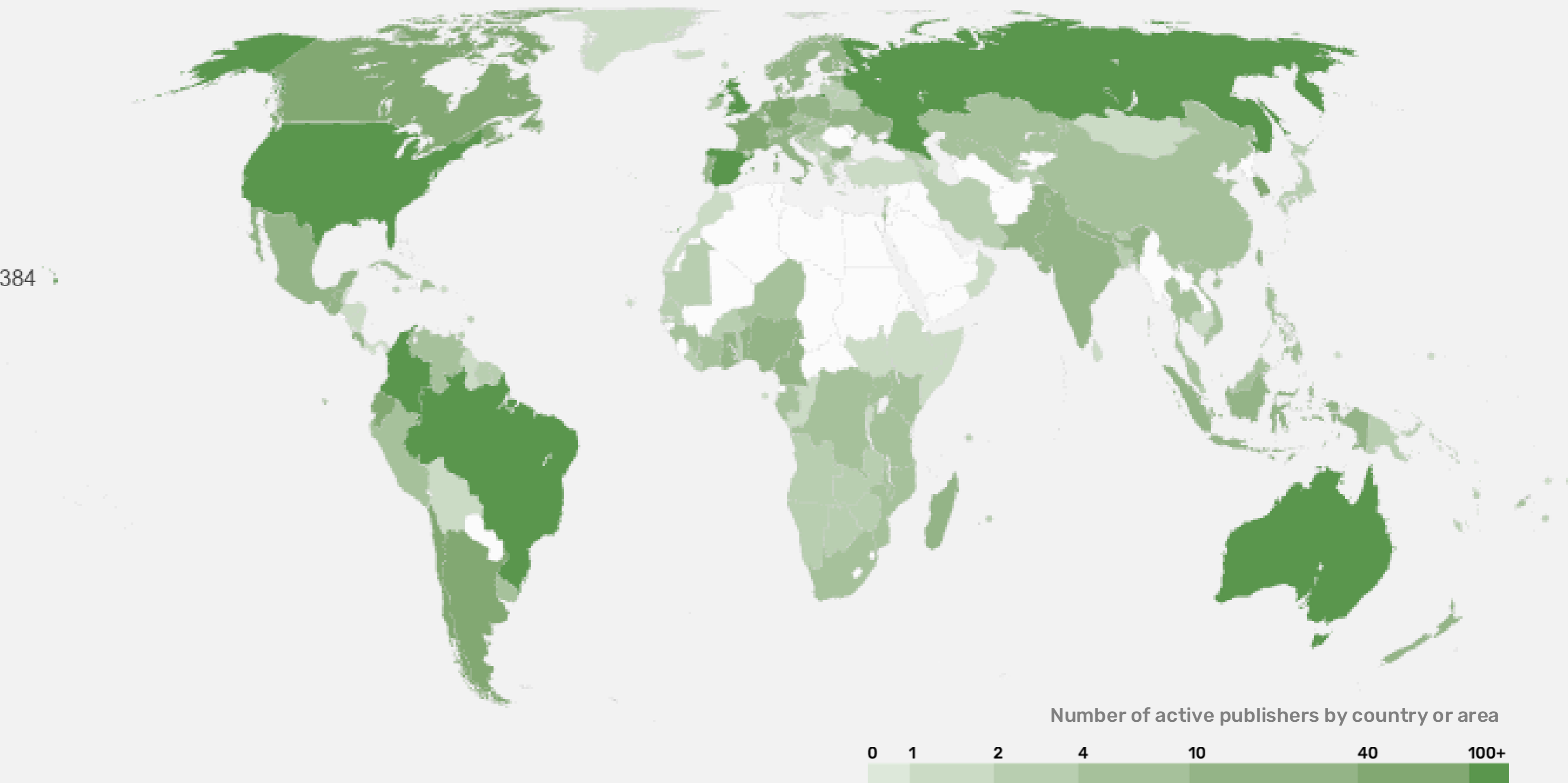
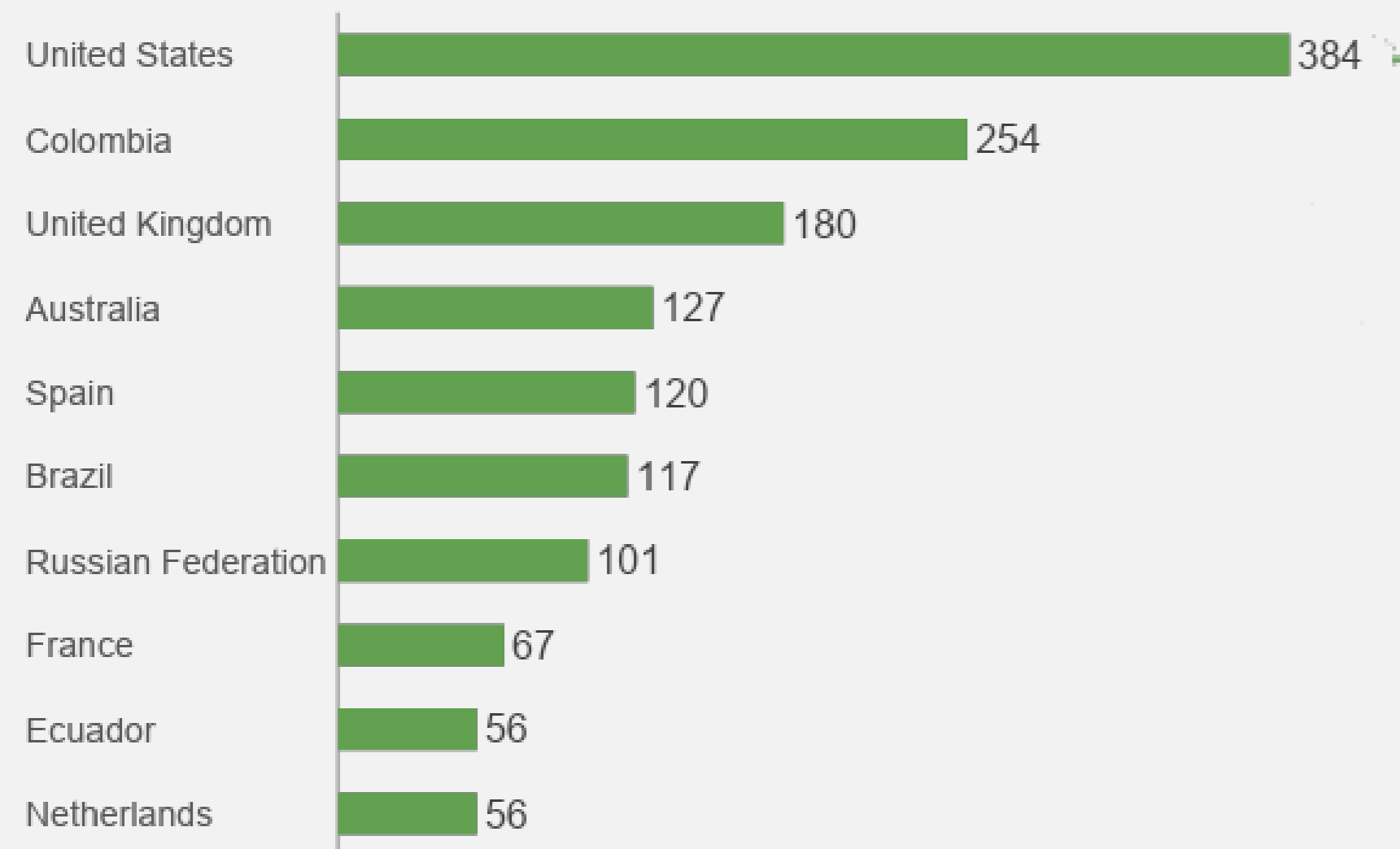
69 countries

- 45 Voting Participants
- 24 Associate Participants



GBIF network of data publishing institutions

148 countries/areas with institutions sharing data through GBIF



Datasets ●
121,395

● Hosted portals
69

Country
Participants ●
69

● Peer-review papers
using data (1 Oct 2025)
14,415

Organizational
Participants ●
42

● Average records
downloaded per month (2025)
297 billion

Publishers ●
2,669

● Species
occurrence records
3,660,126,436



GBIF Network

Operative units



nó português do **GBIF**

PARTICIPANT NODES

- National coordination
- Infrastructure (IPT, data portal)
- Training, documentation
- Institutional engagement and endorsement

SECRETARIAT

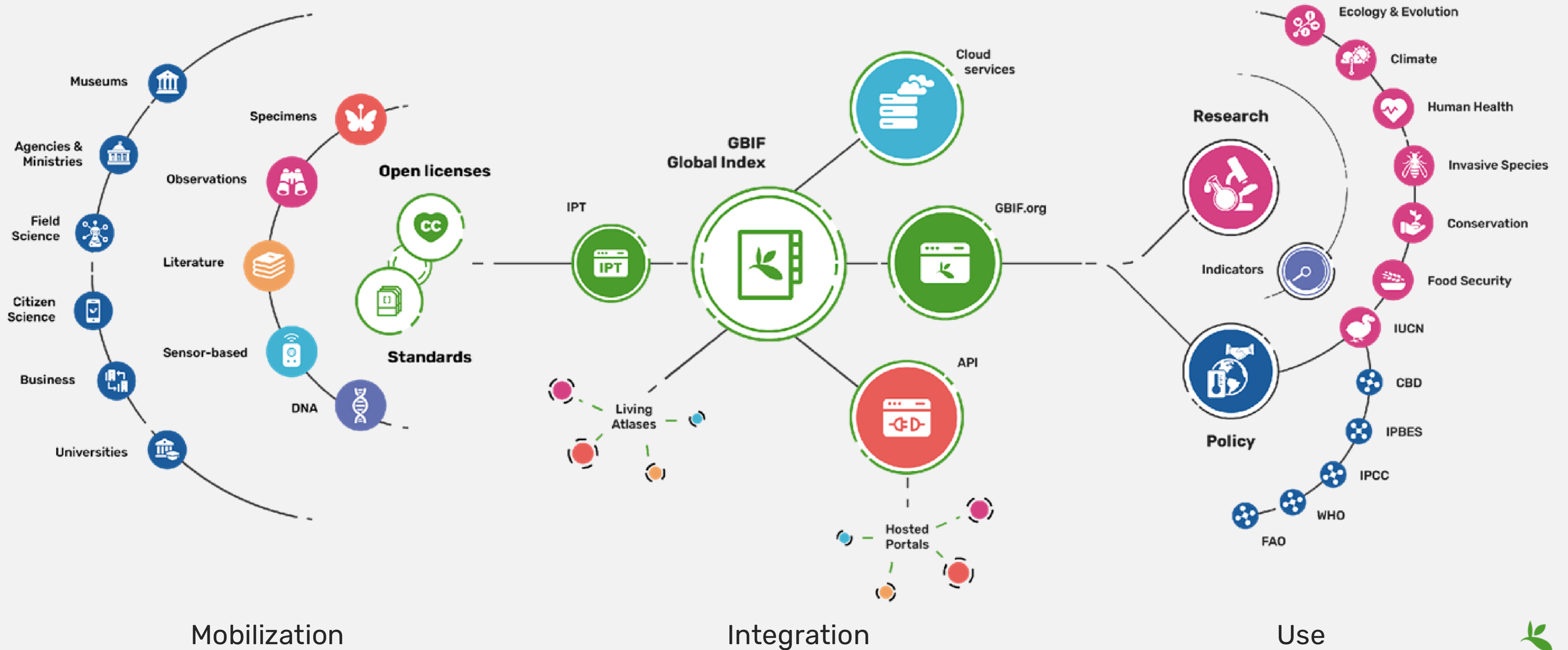
- Global coordination
- Infraestructura (global platform, tools)
- Capacity enhancement (training, documentation)
- Engagement

INSTITUTIONS

- Publisher register
- Data mobilization (digitizing, data quality)
- Data standardization and metadata
- Data publishing



Providing biodiversity evidence for research and policy



Information dimensions - occurrence / events

What

Taxonomic/nomenclatural
data

Where

Spatial data

Who

Occurrence data

When

Sampling data

What

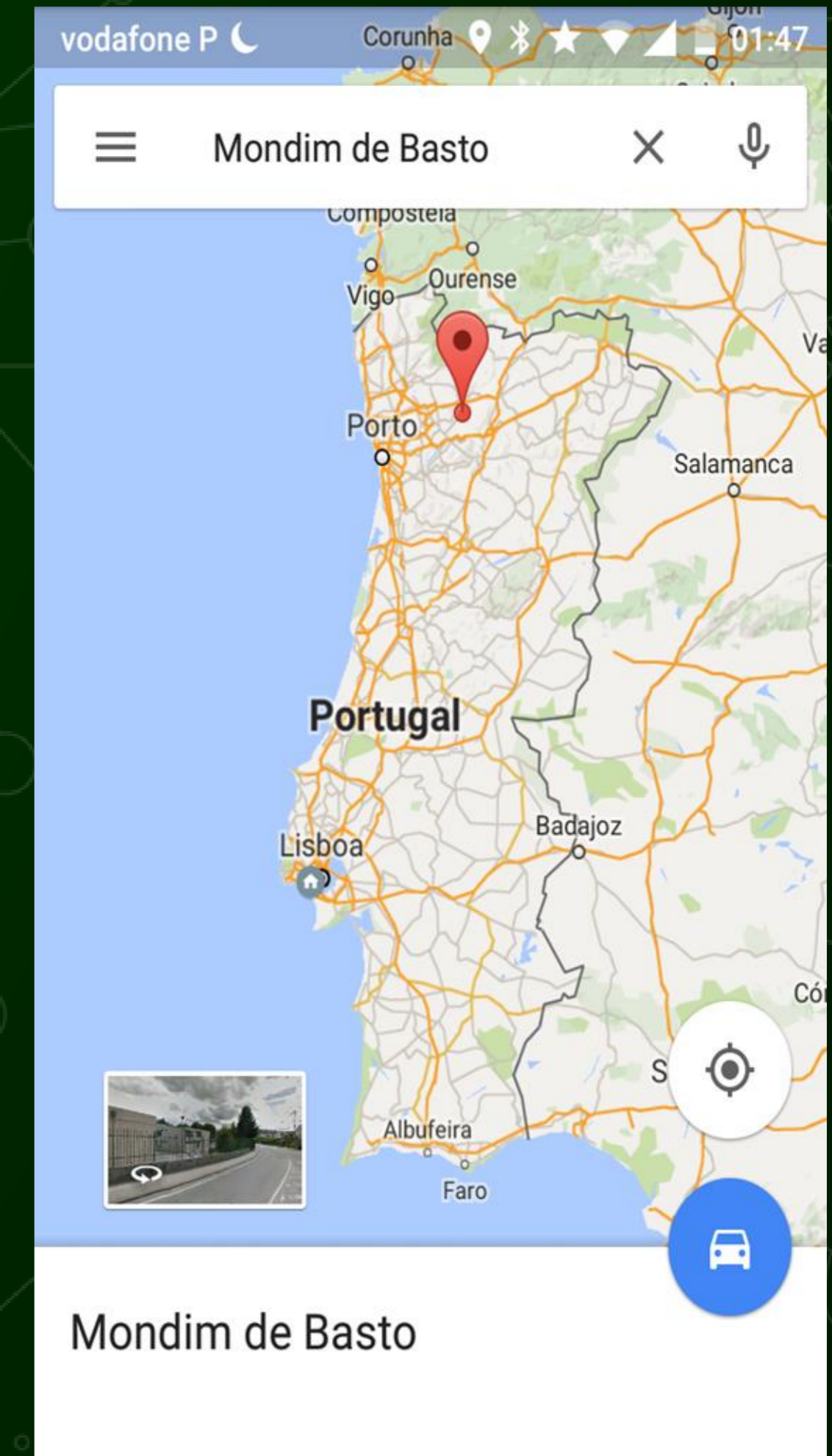
Descriptive data

How

Protocol and effort



@CésarGarcia, 2010/11/23
Amanita muscaria



GBIF usage example

INVASIVE SPECIES:

Asian hornet (*Vespa velutina*) in Europe

2005

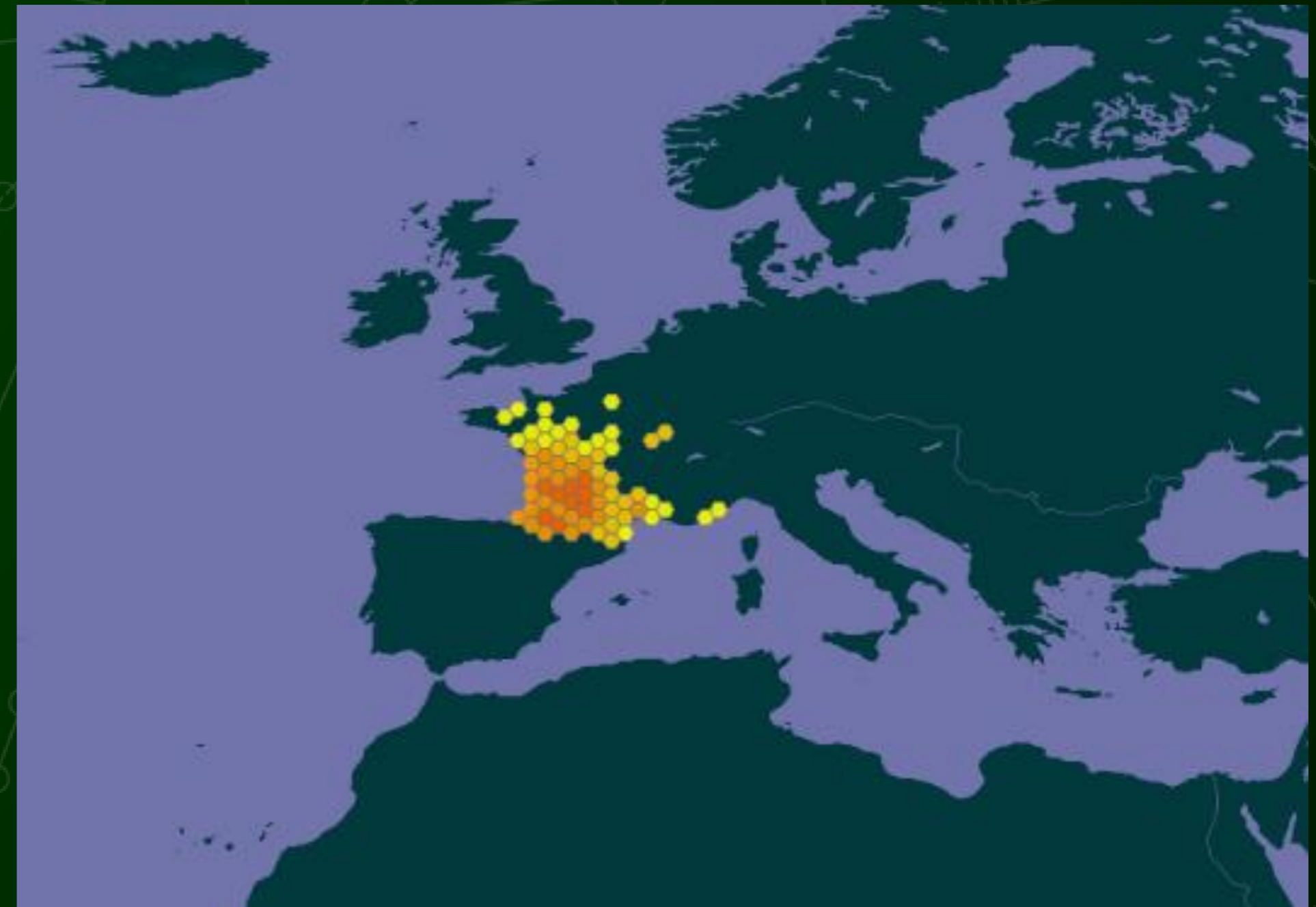


GBIF usage example

INVASIVE SPECIES:

Asian hornet (*Vespa velutina*) in Europe

2010

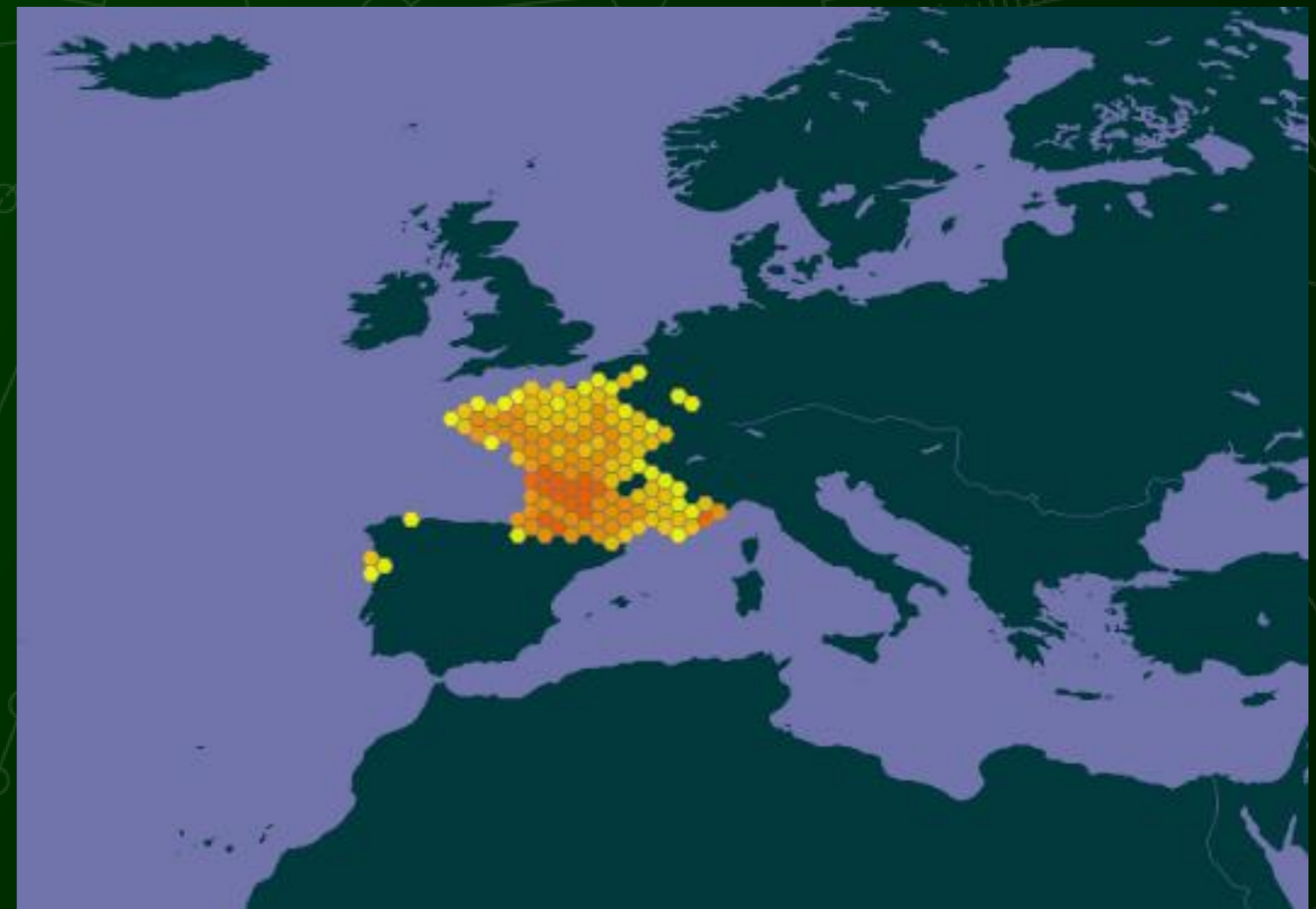


GBIF usage example

INVASIVE SPECIES:

Asian hornet (*Vespa velutina*) in Europe

2015

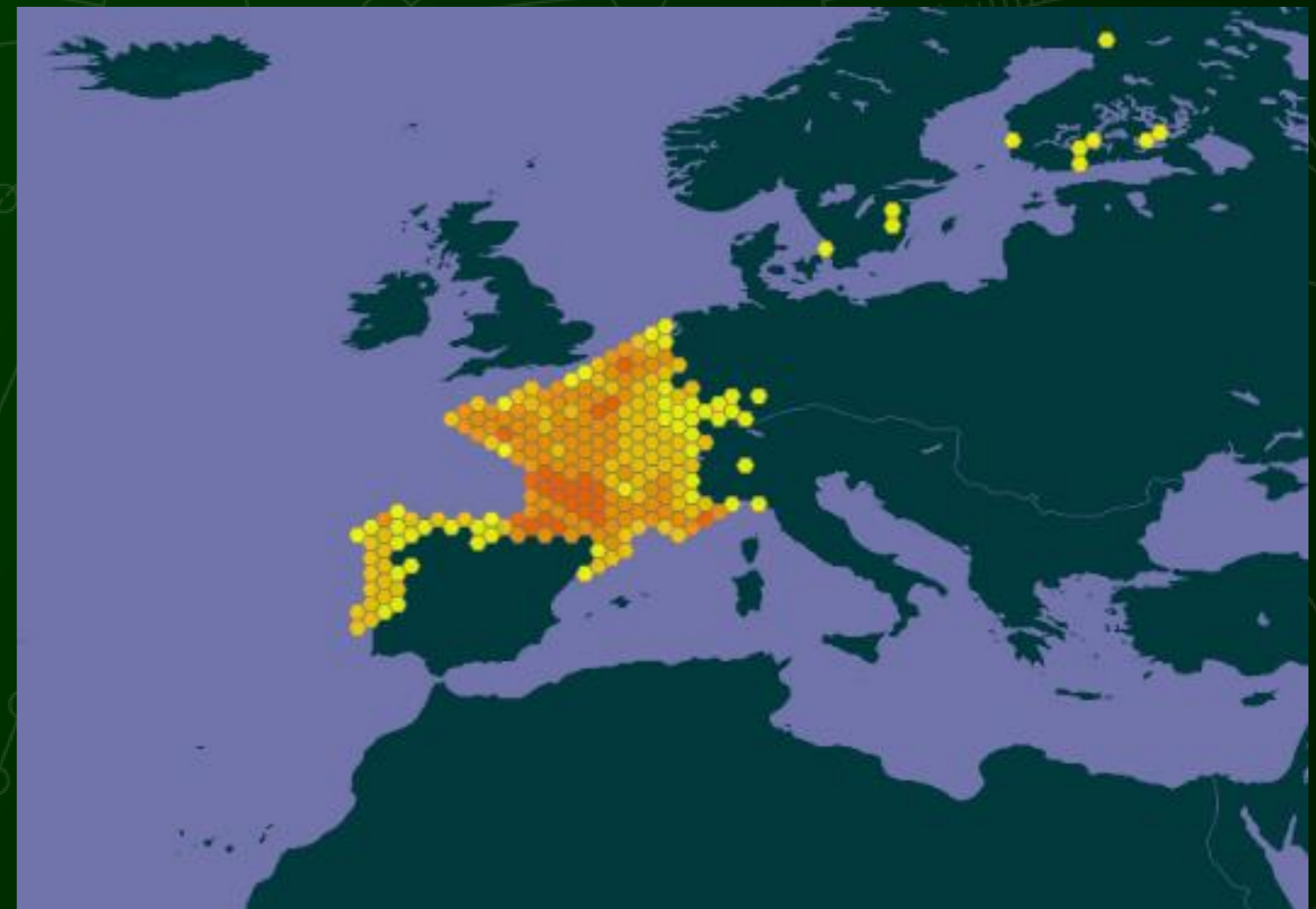


GBIF usage example

INVASIVE SPECIES:

Asian hornet (*Vespa velutina*) in Europe

2020

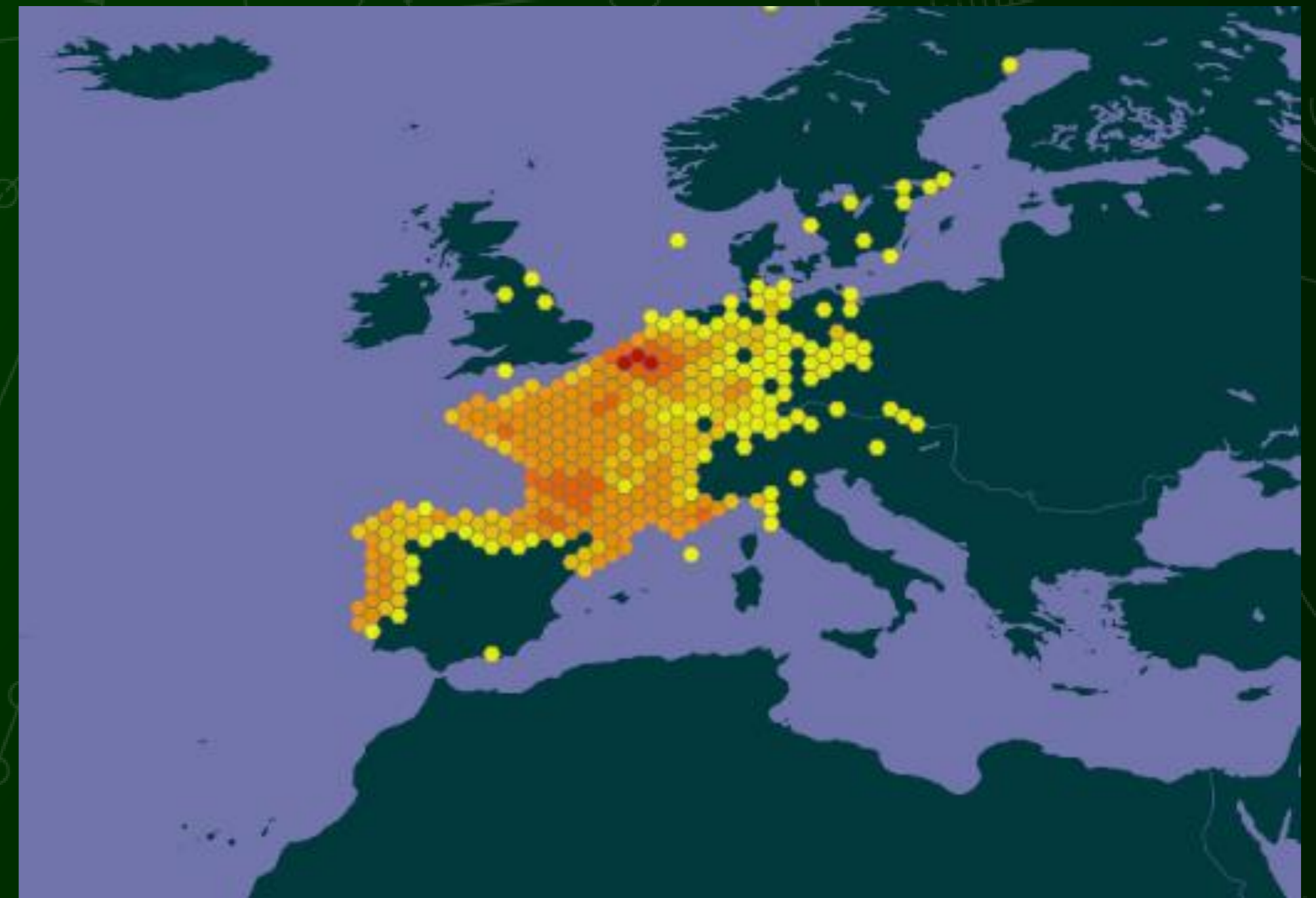


GBIF usage example

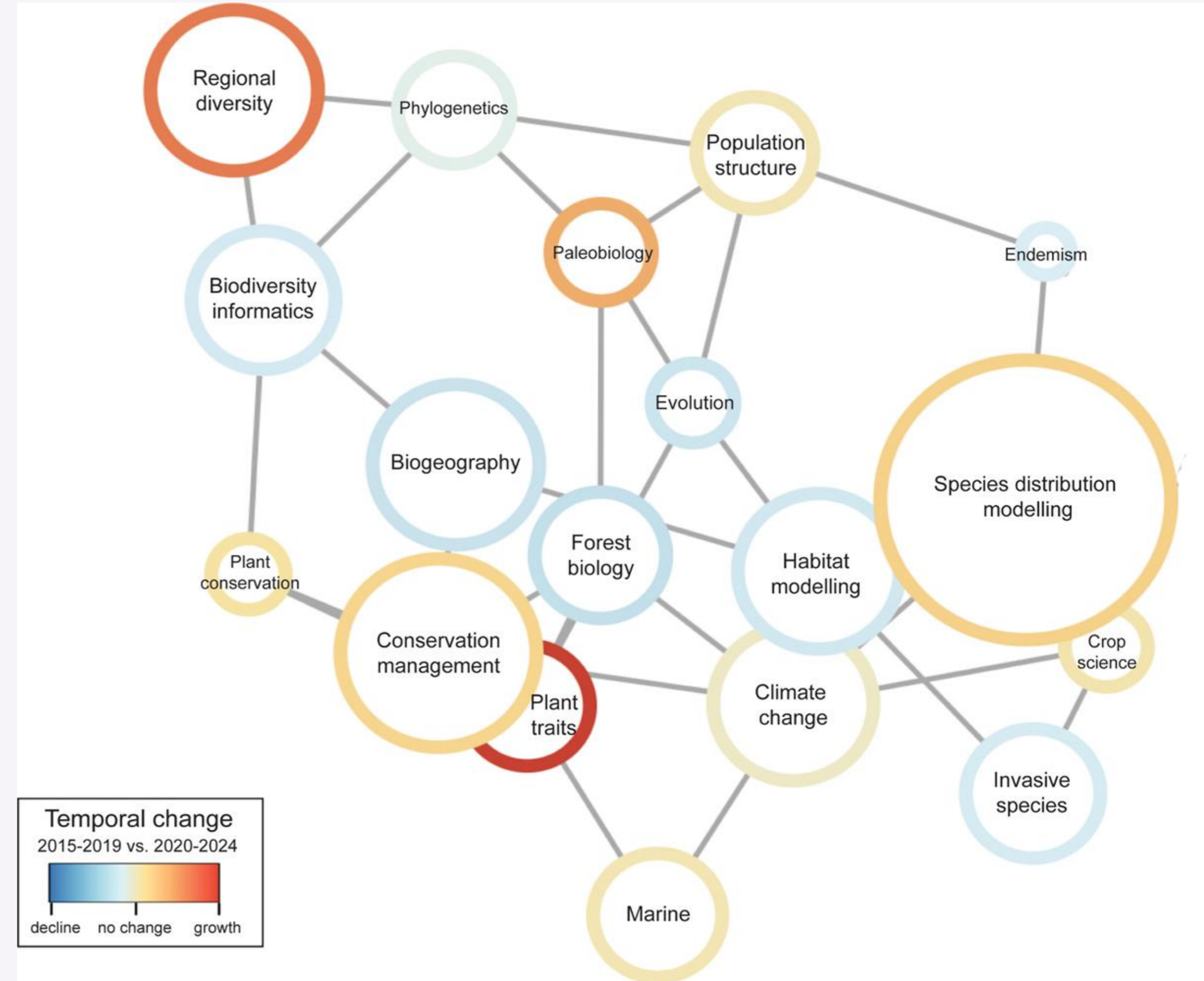
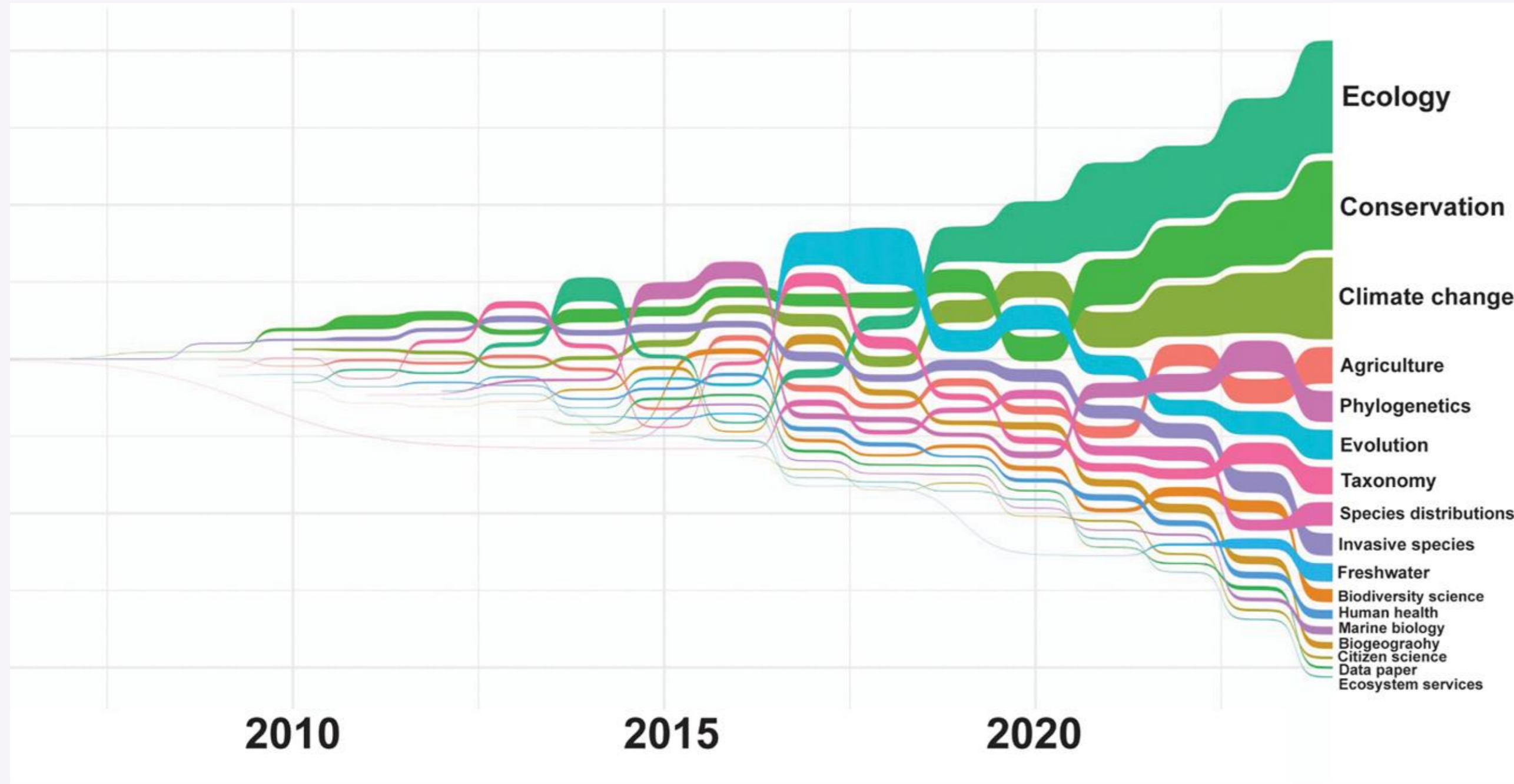
INVASIVE SPECIES:

Asian hornet (*Vespa velutina*) in Europe

2024



Use of GBIF in science



D. Steinke, B. Gemeinholzer, E. Martínez-Meyer, D. Noesgaard, A. Young, & D. Schigel, Globally aggregated biodiversity data impact predictive and descriptive research, Proc. Natl. Acad. Sci. U.S.A. 122 (50) e2519119122, <https://doi.org/10.1073/pnas.2519119122> (2025).

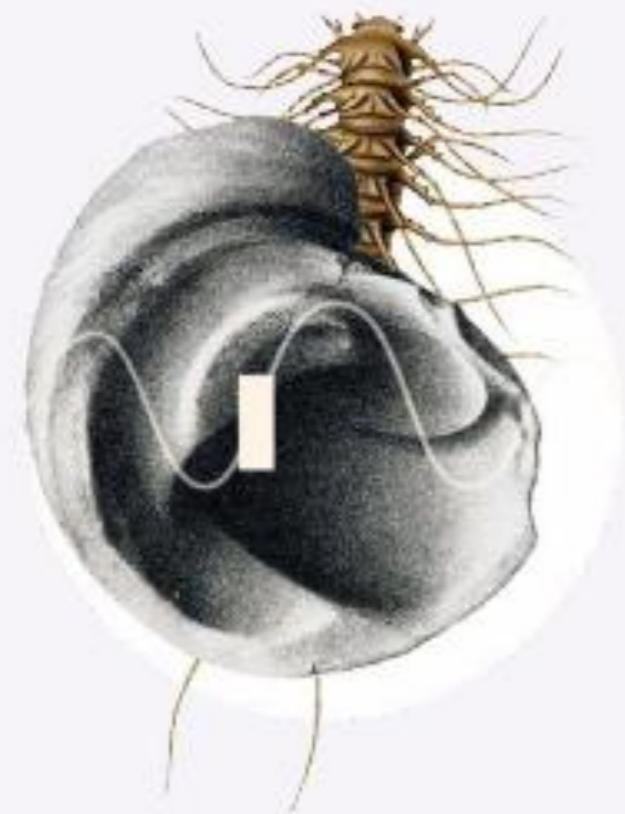


Business sector

Businesses are increasingly demonstrating commitments to environmental and social responsibility by sharing biodiversity data they collect during monitoring and impact assessment activities



GBIF and the business sector



121
Companies



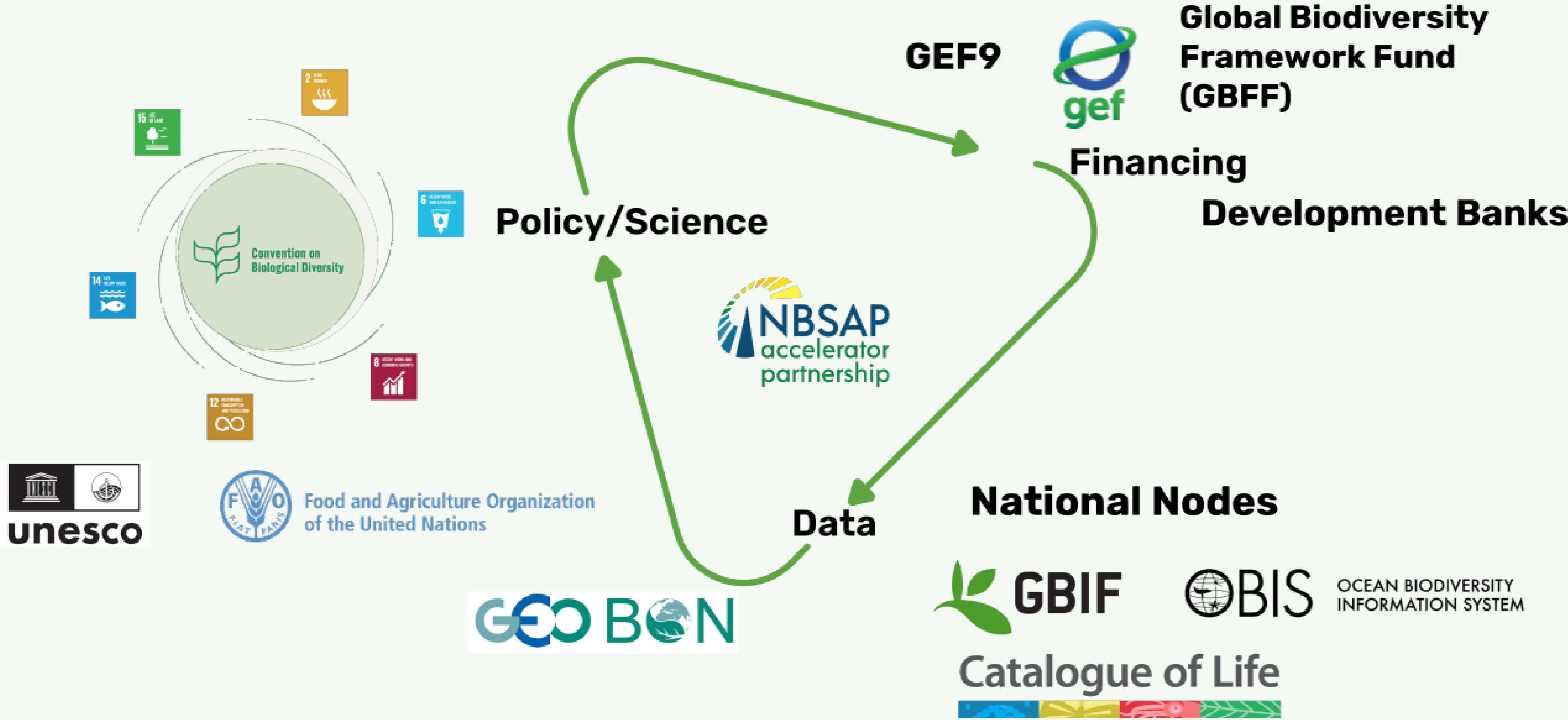
11,210,270
Records



1,037
Datasets

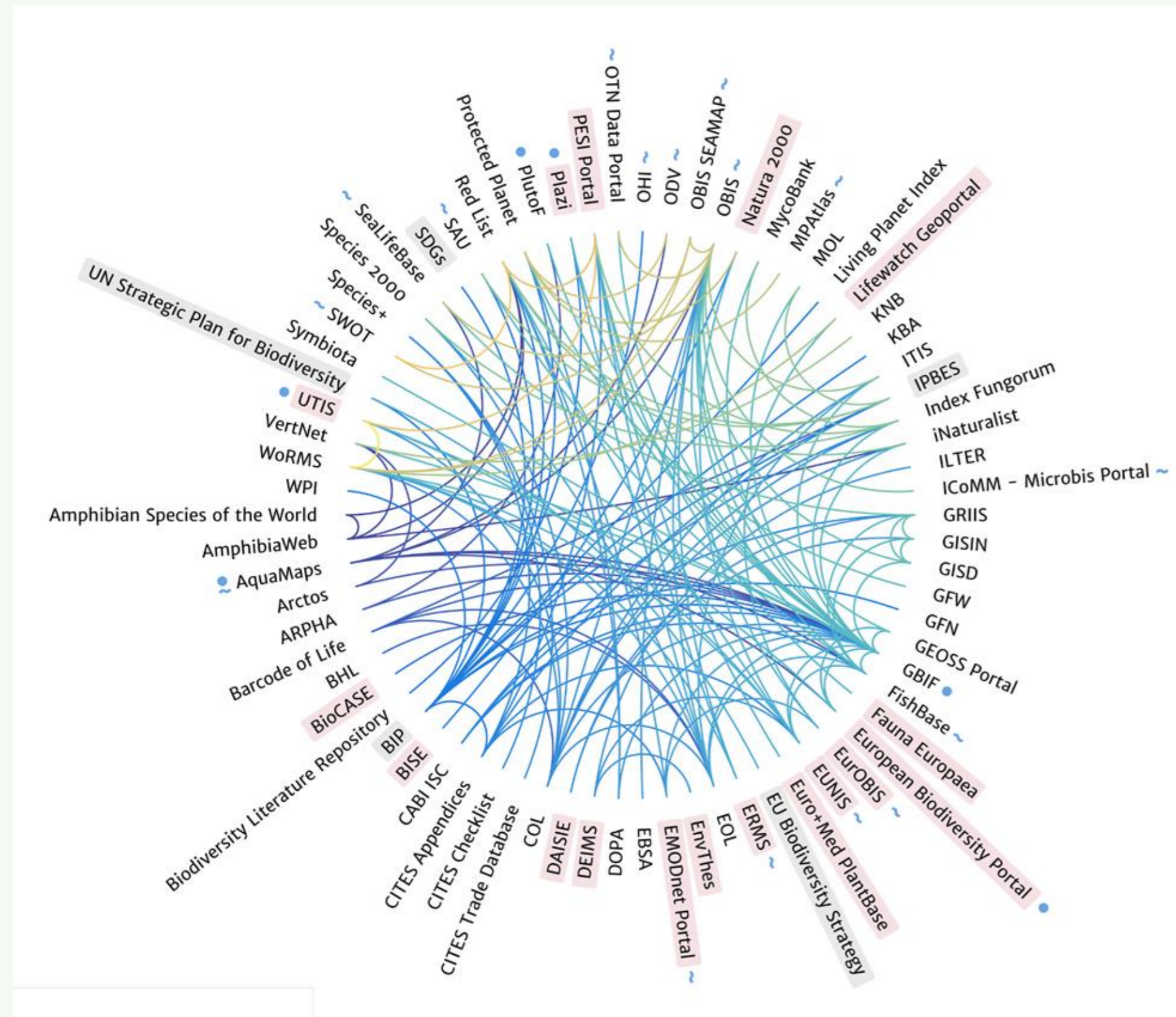


GBIF in the interface science/policy



Lessons learn

Coordination



Capacity enhancement



Thank you!

Rui Figueira
ruifigueira@isa.ulisboa.pt

Parts of this presentation are based on:

GBIF Secretariat (2025) GBIF overview slides, Oct 2026. Copenhagen: GBIF Secretariat. Available online at: <https://www.gbif.org/document/81771> and by Joe Miller, GBIF's Executive Secretary, GB32, Colombia.



NÓ PORTUGUÊS DO GBIF
INSTITUTO SUPERIOR DE AGRONOMIA
node@gbif.pt

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