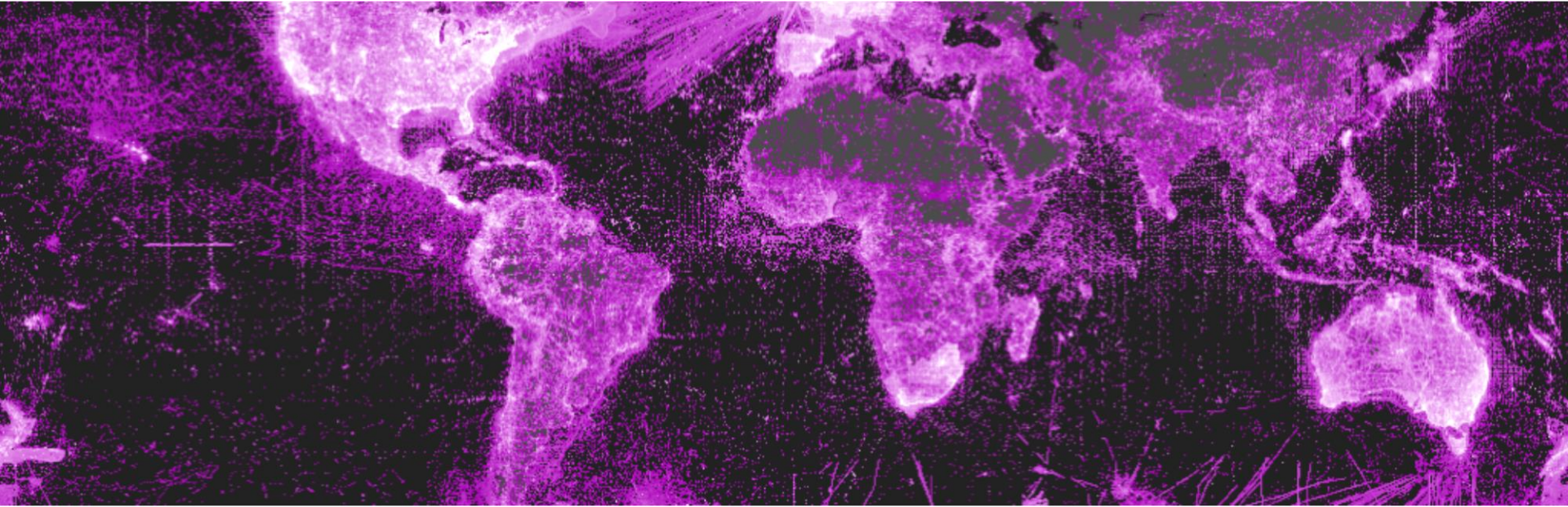




**GBIF**

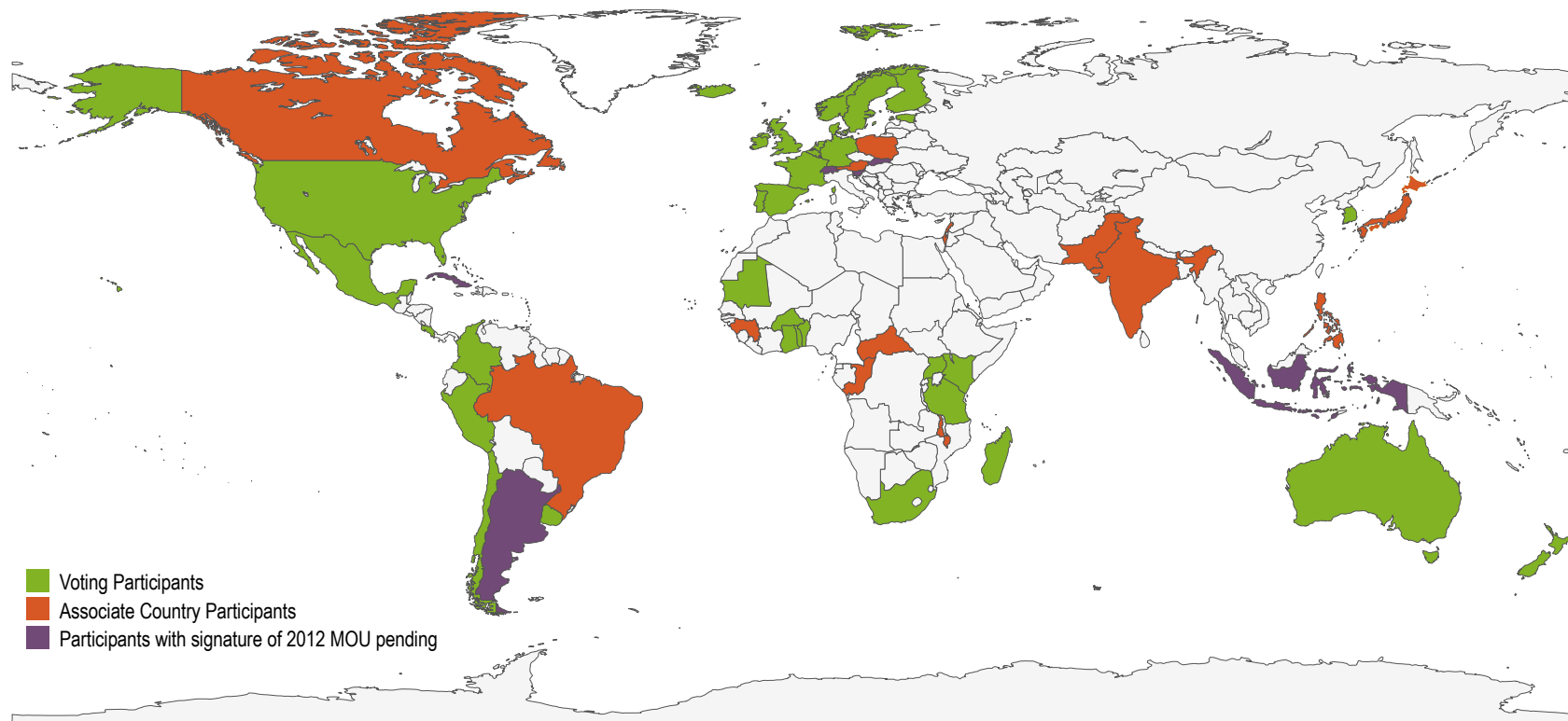
Global Biodiversity  
Information Facility



# GBIF status report

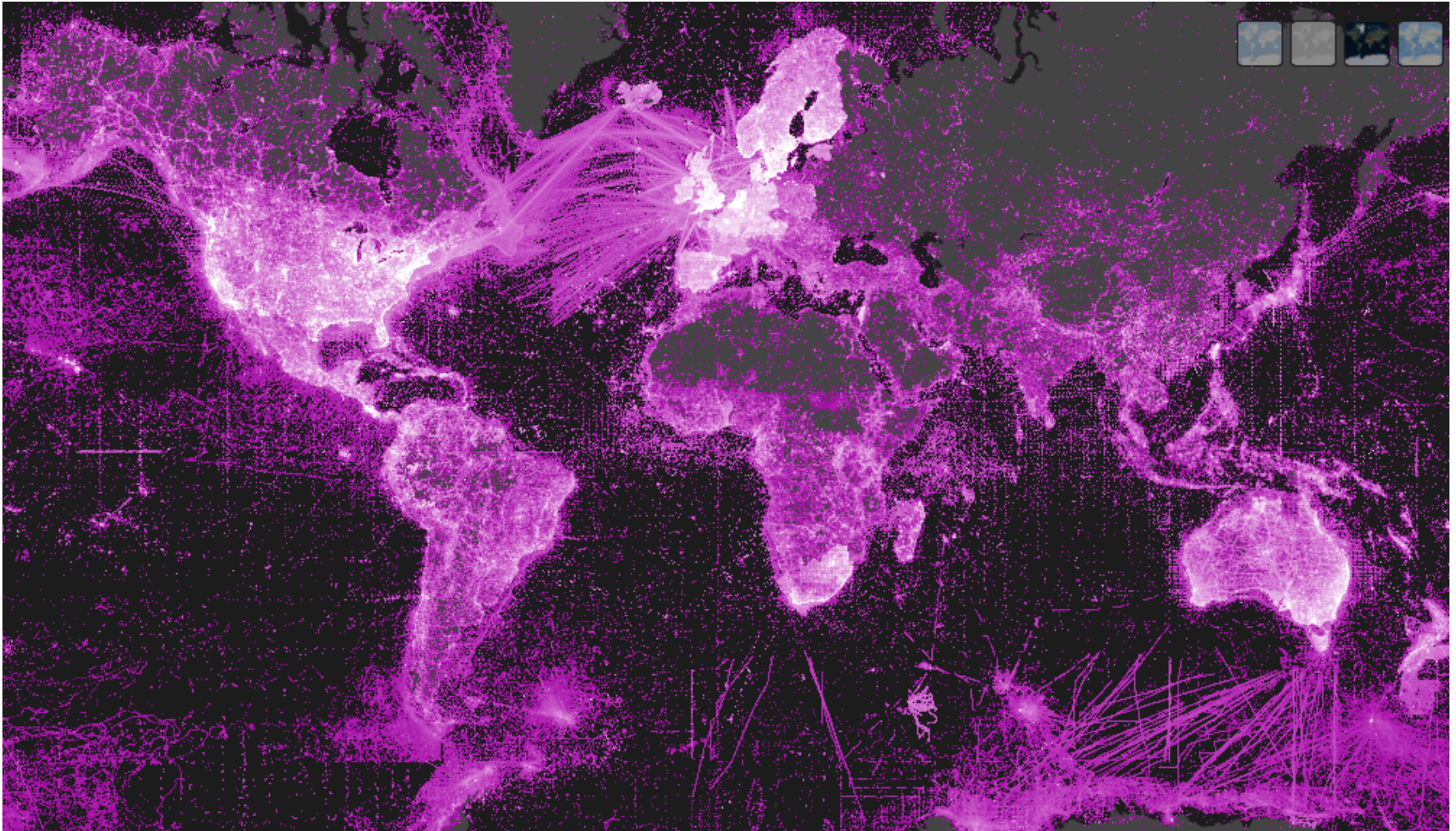
*Tim Hirsch, Deputy Director, GBIF Secretariat*

# MAP OF GBIF COUNTRY PARTICIPANTS



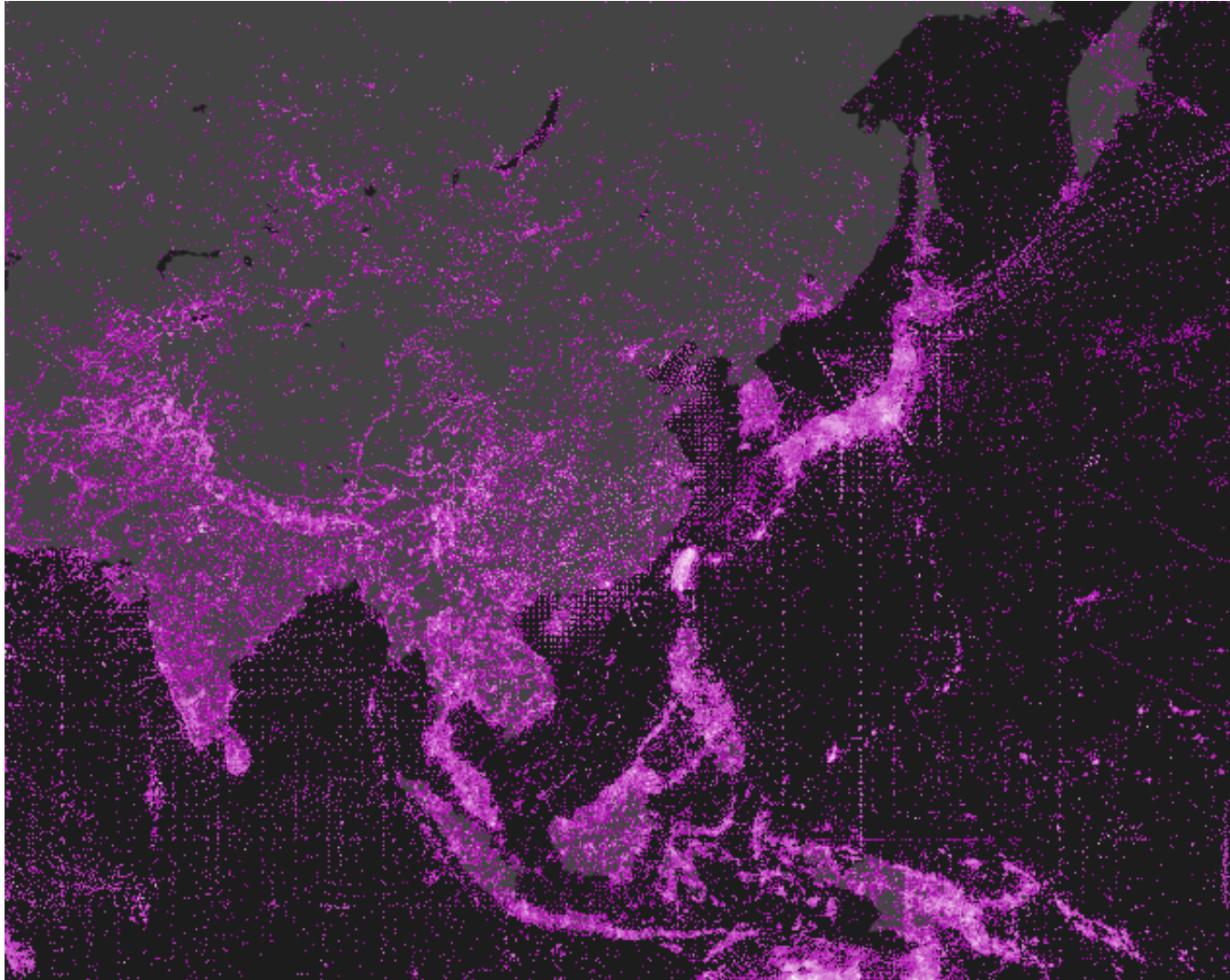


# DISTRIBUTION OF DATA



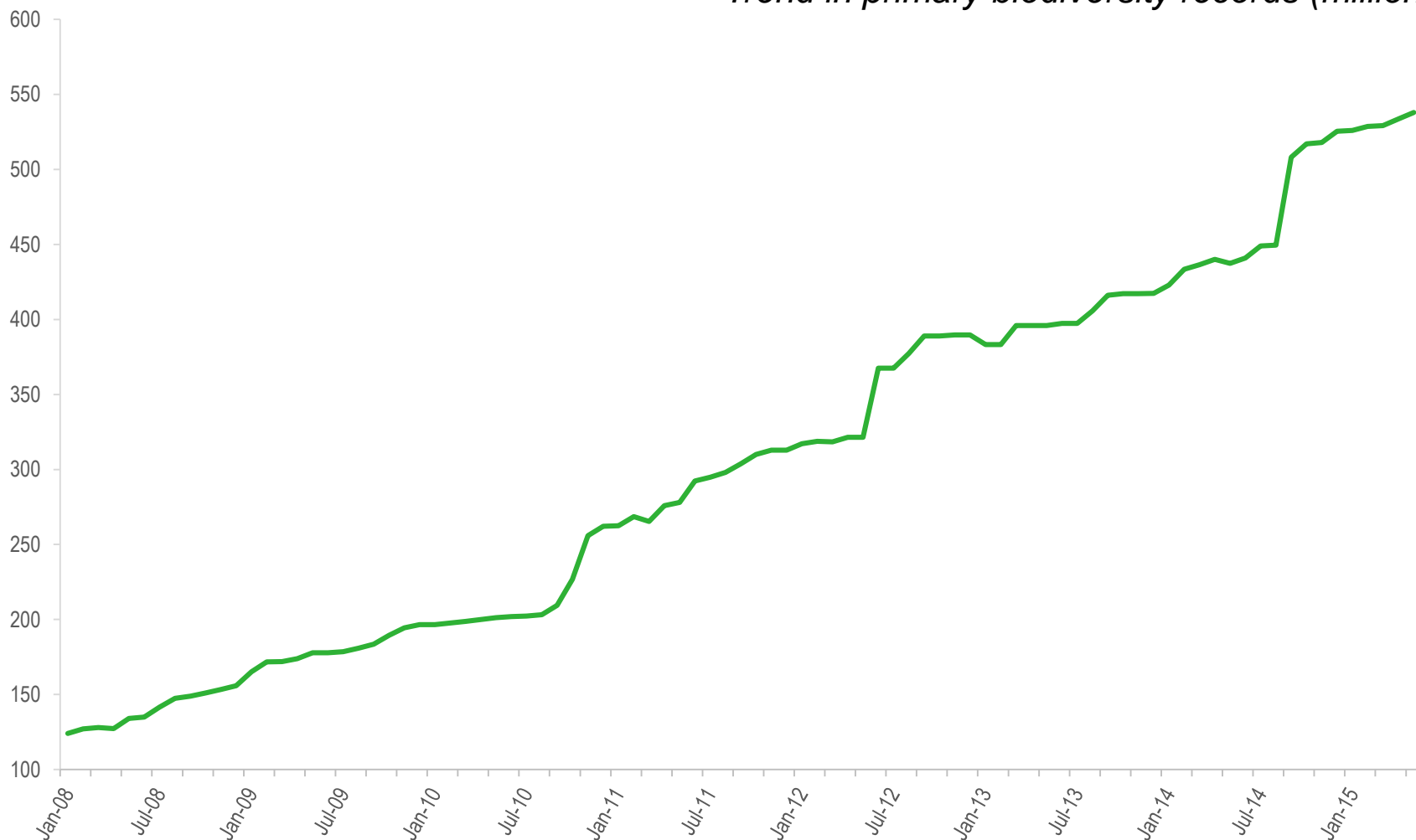


# DISTRIBUTION OF DATA



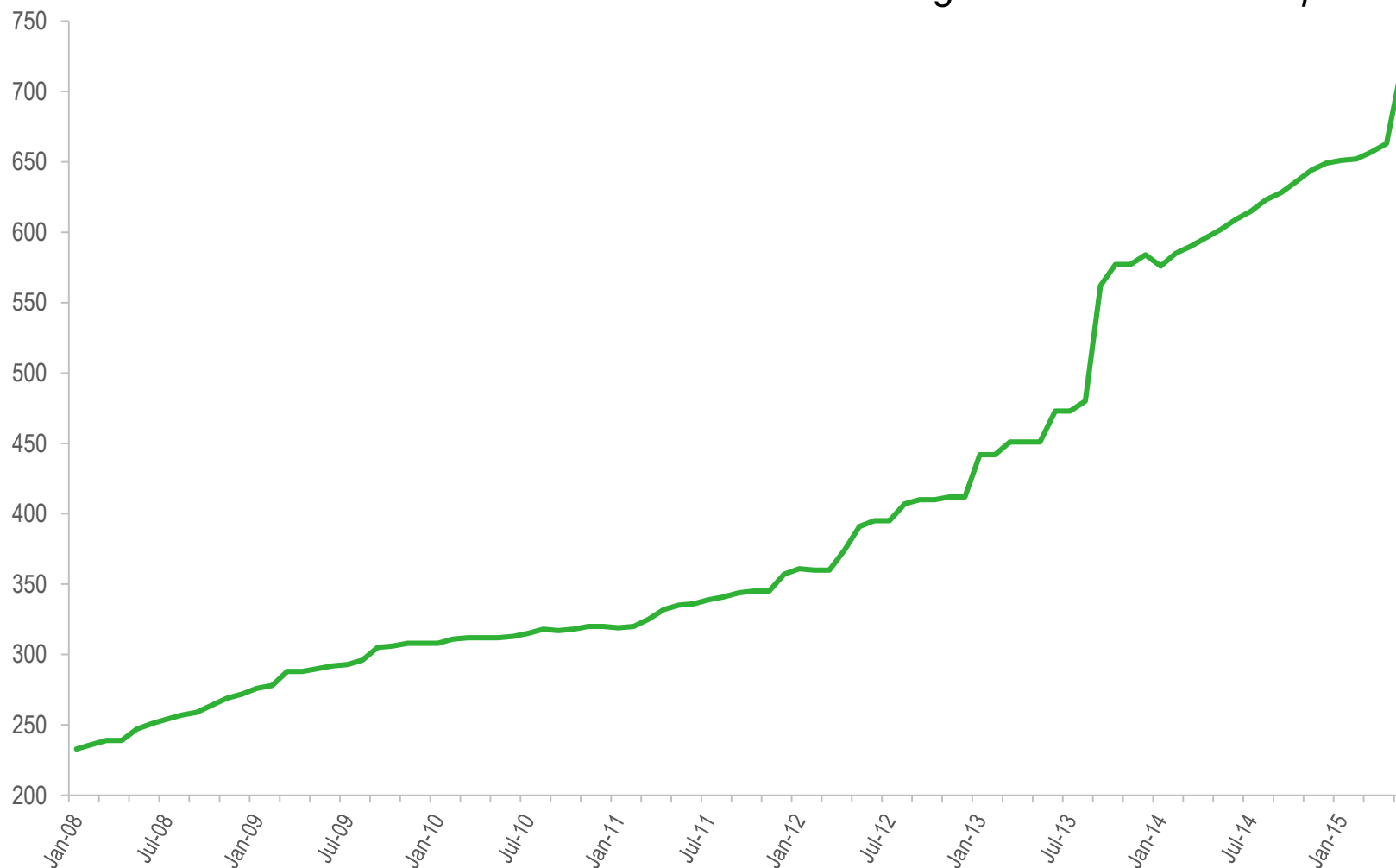
# DATA PUBLISHED THROUGH GBIF.ORG

*Trend in primary biodiversity records (millions)*



# DATA PUBLISHERS

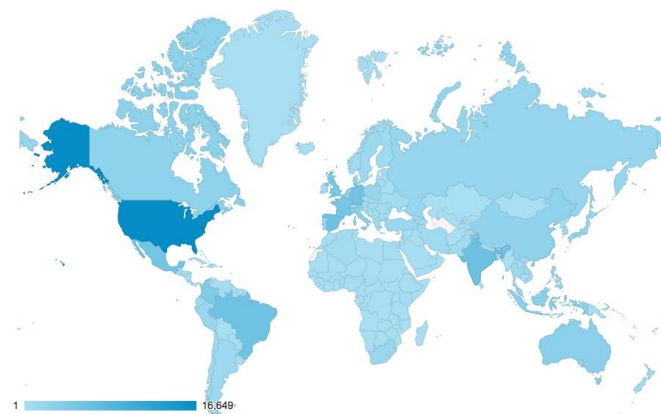
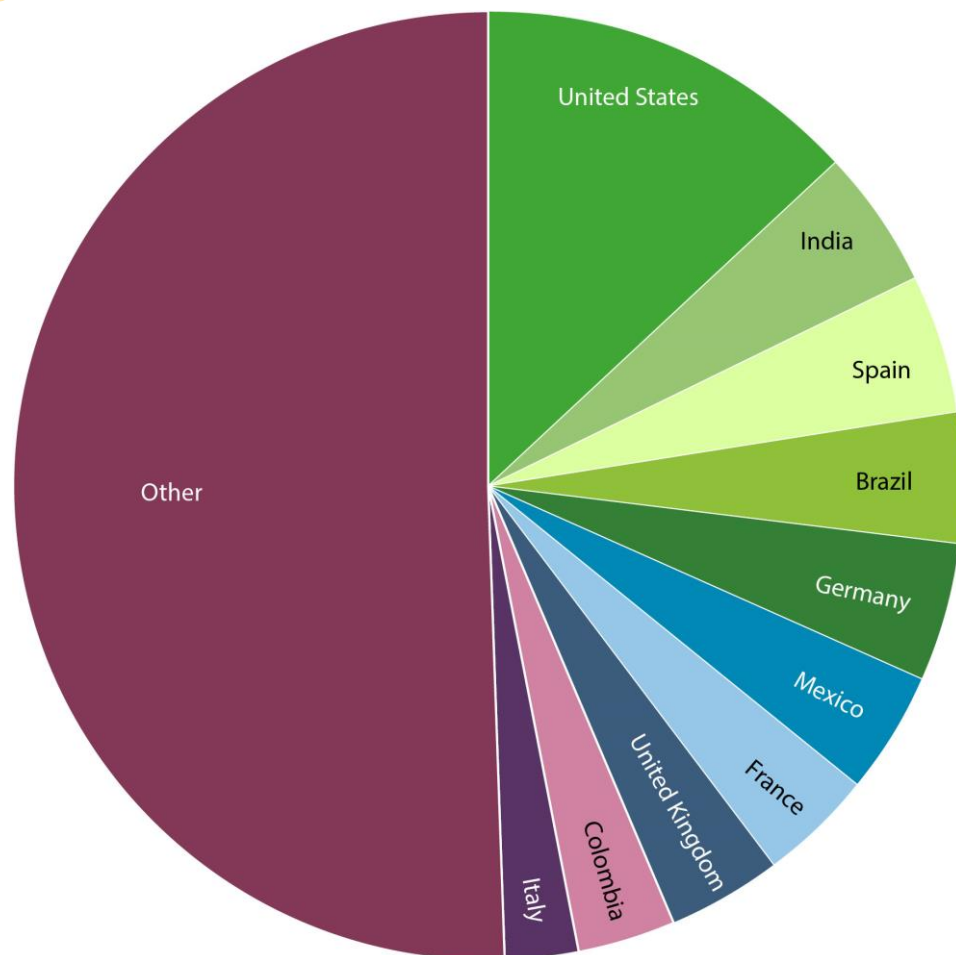
*Trend in number of institutions registered as GBIF data publishers*



A sharp rise in the number of data publishers in September 2013 results from institutions choosing to register as separate entities rather than sharing datasets through a single publisher at their national node institution. <http://www.gbif.org> | 01 JUN 2015

# VISITS TO GBIF.ORG BY COUNTRY

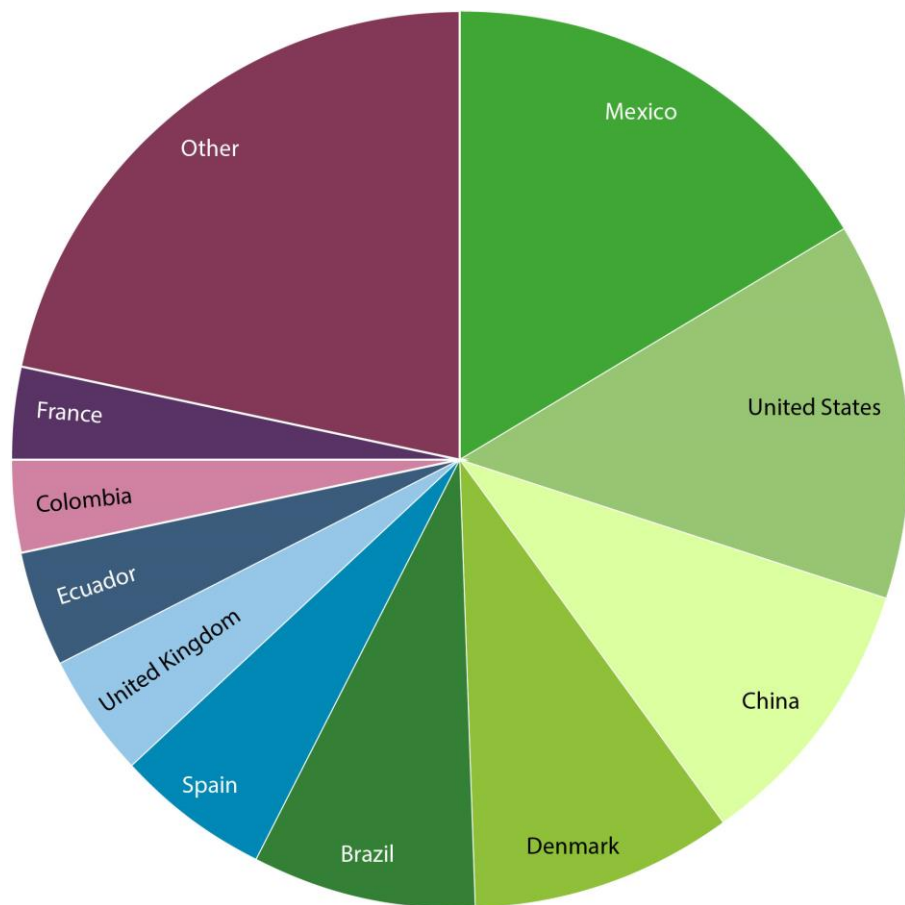
May 2015



1. United States	16,649	6. Mexico	5,378
2. India	6,065	7. France	5,018
3. Spain	5,896	8. United Kingdom	4,622
4. Brazil	5,703	9. Colombia	4,103
5. Germany	5,601	10. Italy	3,250

# DATA DOWNLOAD REQUESTS, BY COUNTRY

1 Jan 2015 – 31 May 2015



Total of  
**41,056 requests**  
from **4565 users** in  
**127 countries, islands  
and territories**

1. Mexico	6,786	6. Spain	2,330
2. United States	5,591	7. United Kingdom	1,856
3. China	4,137	8. Ecuador	1,611
4. Denmark	3,770	9. Colombia	1,414
5. Brazil	3,307	10. France	1,411



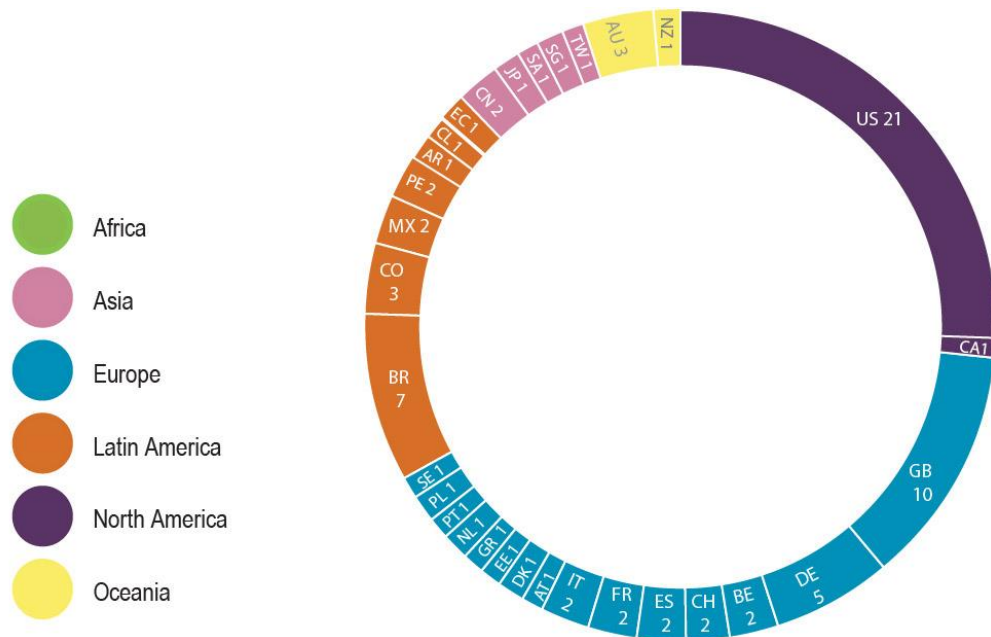
# CITATIONS IN PEER-REVIEWED RESEARCH

*Annual number of peer-reviewed publications  
using GBIF-mediated data*



# USE CITATIONS, BY COUNTRY OF AUTHORS

May 2015



May 2015

1. United States	21	7. China	2
2. United Kingdom	10	7. France	2
3. Brazil	7	7. Italy	2
4. Germany	5	7. Mexico	2
5. Colombia	3	7. Netherlands	2
6. Australia	3	7. Spain	2
7. Belgium	2	7. Peru	2

Number of research publications in May 2015 citing use of GBIF-mediated data, ranked by country according to affiliation of author. Top fourteen countries shown.

Total 2015

1. United States	67	6. Australia	13
2. United Kingdom	33	7. Belgium	12
3. Germany	19	7. China	12
4. Mexico	17	8. Colombia	11
5. Brazil	15	9. France	9

Number of research publications from January to May 2015 citing use of GBIF-mediated data, ranked by country according to affiliation of author. Top ten countries shown.

# COUNTRY REPORTS

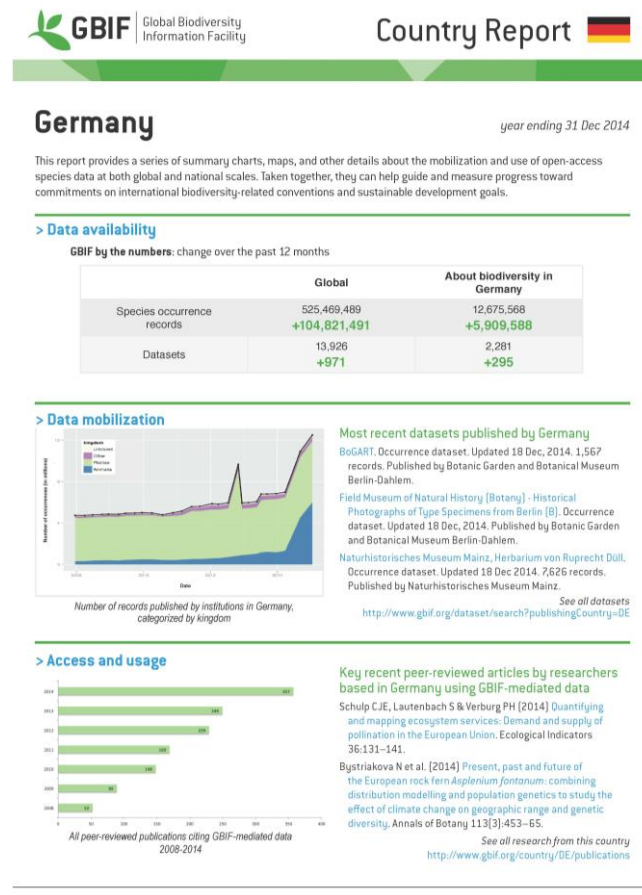
**2015 objective:** *Provide regular updates to highlight availability, use and impact of data mobilized by the GBIF network at national level*

## Progress

- Key metrics identified for demonstrating use and impact of GBIF at country level
- Participant consultation and review of initial prototype report (April 2015)

## Next steps

- Based on feedback, develop automated reports for all countries, for rollout by GB22 (October 2015)
- Publish summary of consultation as information document for GB22



# IMPROVED CITATION & PERSISTENCE OF DATA

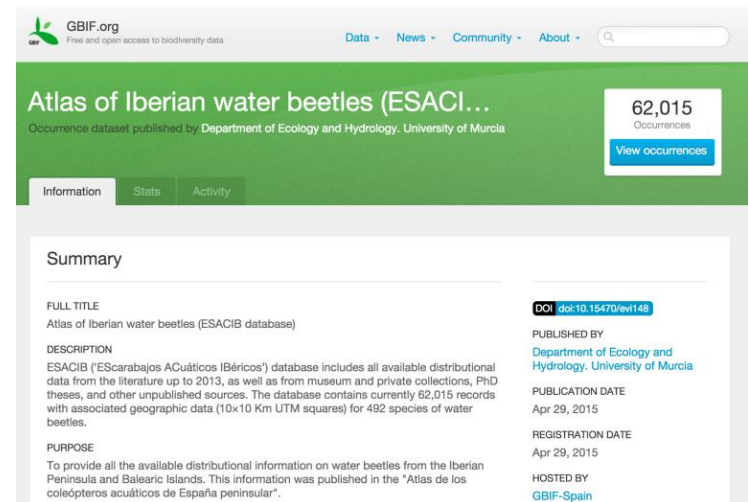
**2015 objective:** *Enable all users of GBIF.org to cite datasets and downloads consistently using Digital Object Identifiers (DOIs), and pilot long-term preservation of cleaned datasets via a repository*

## Progress

- GBIF.org now includes DOIs for all datasets and user downloads
- Integrated Publishing Toolkit (IPT) v2.2 links to DataCite and issues DOIs for datasets
- Agreement in place with DataONE for long-term preservation of deposited datasets

## Next steps

- Update guidance on data citation practices
- Implement a repository backed by DataONE to upload cleaned datasets and assign DOIs



**DOI** doi:10.15470/evi148



# CONSISTENT LICENSING FOR DATASETS

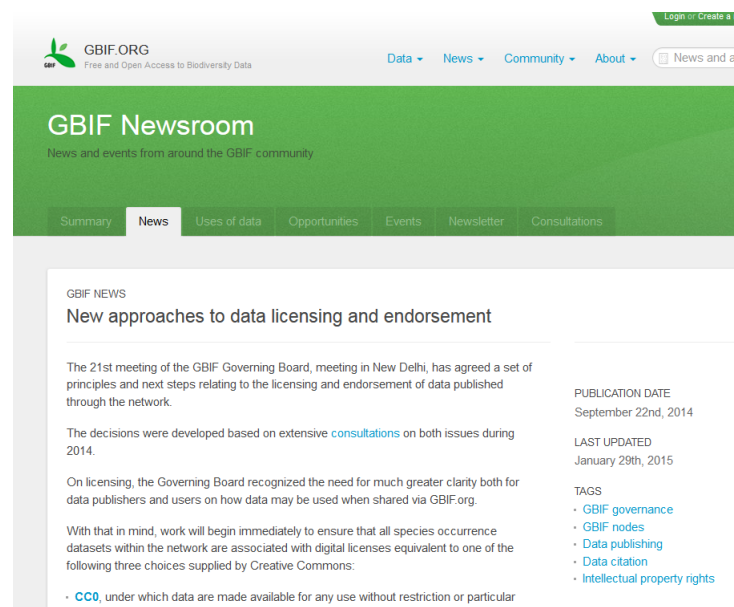
**2015 objective:** *ensure that all data accessed via GBIF.org are associated with a machine-readable, Creative Commons licence*

## Progress

- All existing datasets in the network analysed and provisionally assigned to CC0, CC BY or CC BY-NC licence
- Integrated Publishing Toolkit (IPT) v2.2 requires selection of one of the three CC licences

## Next steps

- Targeted communication with nodes and publishers to plan conversion to mandatory use of CC licences
- Implement search and download options to include filters for data with appropriate licensing conditions



# SAMPLE-BASED DATA

**2015 objective:** *Enable mobilization and discovery of biodiversity monitoring data using defined sampling protocols, including measures of species abundance*

## Progress

- Darwin Core extension for sample-based data ratified by TDWG
- Primer on sample-based data available
- Prototype installation of IPT for EU BON includes pilot sample-based datasets

## Next steps

- IPT v2.3 to support publication of sample-based datasets (July/August 2015)
- GBIF.org to include simple search and discovery of sample-based datasets
- Targeted mobilization of sample-based datasets
- Manual to support publication of sample-based datasets, associated training at GB22



Photo CC BY-ND 2014 Florida Fish and Wildlife, Karen Parker  
<https://flic.kr/p/pJVe2R>

# MOBILIZATION OF UNDIGITIZED COLLECTIONS

**2015-2016 objective:** *Develop strategy and guidelines for mobilizing information from undigitized biological collections using a metadata approach*

## Progress

- Task force on 'Accelerating the Discovery of Biocollections Data' formed
- First meetings established timeline and tasks through August 2016
- Questionnaire developed for expert consultation

## Next steps

- Document important questions around metadata capture
- Recommend essential metadata for different kinds of collections
- Publish interim report by GB22



# REGISTRATION OF NEW DATA PUBLISHERS

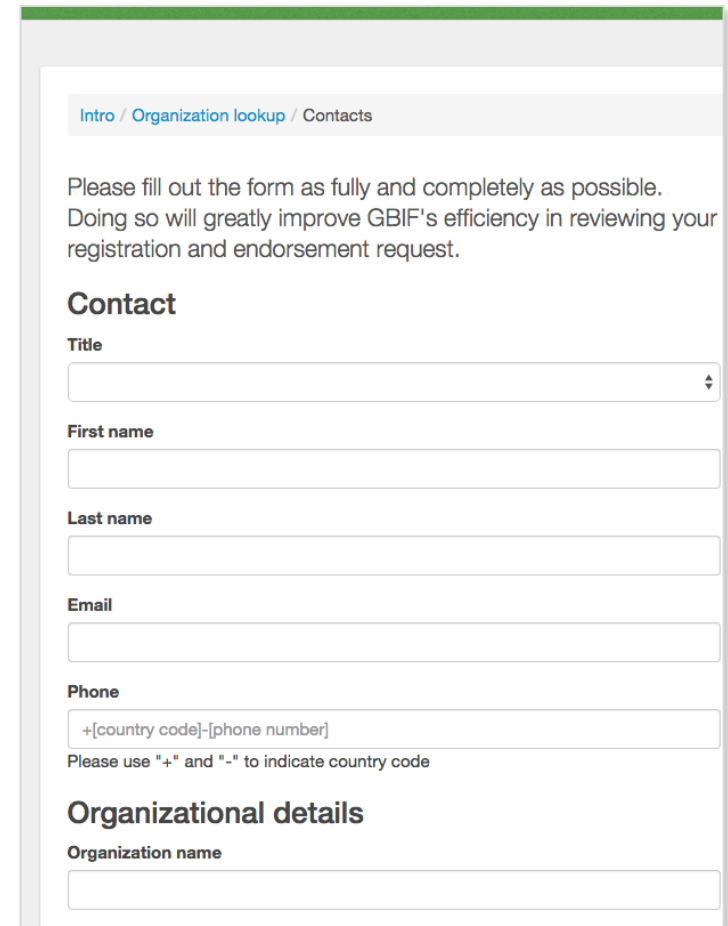
**2015 objective:** *Streamline process of registering and endorsing institutions wishing to publish data through GBIF*

## Progress

- Consultation conducted on criteria, guidelines and workflow for endorsing new publishers
- New procedure in place for community-based endorsement of publishers from non-Participant countries, through Nodes Committee
- Online publisher form now automates communication between publishers, endorsing nodes and Secretariat
- Endorsement guidelines released

## Next steps

- Update and reorganize 'Publishing data' on GBIF.org



The screenshot shows a web form titled 'Intro / Organization lookup / Contacts'. It includes instructions to fill out the form fully and completely to improve GBIF's efficiency. The form is divided into two main sections: 'Contact' and 'Organizational details'. The 'Contact' section includes fields for Title, First name, Last name, Email, and Phone (with a placeholder for country code and phone number). The 'Organizational details' section includes a field for Organization name.

Intro / Organization lookup / Contacts

Please fill out the form as fully and completely as possible. Doing so will greatly improve GBIF's efficiency in reviewing your registration and endorsement request.

**Contact**

Title

First name

Last name

Email

Phone

+ [country code] - [phone number]

Please use "+" and "-" to indicate country code

**Organizational details**

Organization name



# ENHANCING DATA FITNESS FOR USE

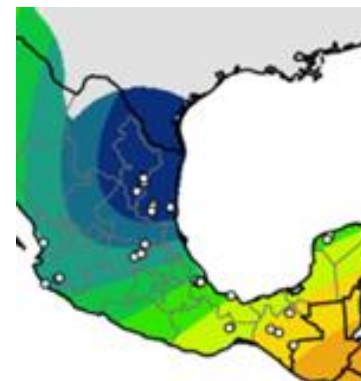
*2015-16 objective: Enhance fitness of data accessed via GBIF.org for key research uses through engaging expert communities, and identify gaps*

## Progress

- Two 'fitness for use task groups' consulting with professional communities on:
  - **Agricultural biodiversity**  
Chair: Elizabeth Arnaud, Bioversity International
  - **Distribution modelling**  
Chair: Jorge Soberón, University of Kansas

## Next steps

- Task groups to prepare initial recommendations by GB22
- Use-based fitness-for-use 'profiles' developed for GBIF.org (with University of São Paulo, Brazil)
- Future task groups: on marine & invasive species, DNA sequencing



# BIODIVERSITY INFORMATION FOR DEVELOPMENT (BID)

*A multi-year EU-funded programme to increase the availability and use of biodiversity information in Africa, the Caribbean and the Pacific*

## Progress

- Programme approved, funding in place and steering committee established
- Multilingual surveys captured information on biodiversity data needs and resources in Africa
- 'Africa Rising conference' 19-22 May launched BID in Africa, declaration and action plan for biodiversity information in Africa

## Next steps

- Submission of 6-month report
- First call for project proposals in Africa ACP region (July/August 2015)
- Programme to launch in Caribbean and Pacific in 2016



# ADDITIONAL CURRENT PROJECTS

*Activities funded from external sources in which GBIF is either project leader or a funded partner*

- **BIFA** | *Biodiversity Information Fund for Asia*
  - *Funder:* Government of Japan | *GBIF role:* Leader
  - *Scope:* Activities in Asia supporting regional priorities for biodiversity data mobilization and use, and capacity enhancement activities
- **Eye on Earth** | *Unlocking Biodiversity Data from Environmental Impact Assessments (EIAs)*
  - *Funder:* Abu Dhabi Global Environmental Data Initiative (AGEDI) | *GBIF role:* leader
  - *Scope:* Encouraging publication of biodiversity data from environmental impact assessment in Arabian Gulf/West Asia through best practice guidance and workshop, development of pilot data repository and distance learning platform
- **EU BON** | *European Union Biodiversity Observation Network*
  - *Funder:* European Union | *GBIF role:* Partner
  - *Scope:* Enhancing biodiversity information available to scientists, policy makers and the public including through an integrated biodiversity portal for Europe
- **EMODnet** | *European Marine Observation and Data Network*
  - *Funder:* European Union | *GBIF role:* Partner
  - *Scope:* Assembling European marine data, data products and metadata from diverse sources in a uniform way

# CAPACITY ENHANCEMENT & REGIONAL ACTIVITIES

*Annual support call, regional meetings and developments to improve GBIF collaboration on capacity to mobilize and use biodiversity data*

## Progress

- Released Capacity Enhancement Framework
- Co-funded six collaborative projects through 2015 support call
- European Nodes Regional Meeting, Paris  
5-7 May

## Next steps

- Asian Nodes Regional Meeting, Taiwan  
29 June–3 July
- Testing and release of capacity self-assessment for national Participants
- Review of regional approach and past capacity enhancement actions for GB22
- Draft regional strategy available for GB22



European Nodes Meeting 2015

Paris, 5 - 7 May 2015

Workshop of Living Europe 2015

Paris, 4 - 5 May 2015



# GB22 PREPARATIONS

*Summary of progress in organizing the 22nd GBIF Governing Board meeting and associated events in Madagascar: 4-10 Oct 2015*

## Progress

- Event schedule released ([gb22.gbif.org](http://gb22.gbif.org)):
  - Nodes training event: 4-5 Oct
  - Global nodes meeting: 6-7 Oct
  - Madagascar science symposium: 7 Oct
  - Governing Board: 8-10 Oct
  - GBIF public symposium: 9 Oct
- Registration open, partial funding deadline 1 July
- Draft agendas for nodes events released, community site group set up  
<http://links.gbif.org/gb22nodes>

## Next step

- Issue invitations for public symposium



# INFORMATION MATERIALS

**2015 objective:** *Prepare a full set of practical guidance materials and information resources meeting the needs of key GBIF audiences and translate selected documents into languages other than English*

## Progress

- Release of guidance document: *Establishing an Effective GBIF Participant Node* (English, French)
- Portuguese translation of A. Chapman, *Principles of data quality*

## Next steps

- “How-to” guide on publishing sample-based data (English, French and Spanish)
- Update and expansion of data publishing documentation
- Basic info on GBIF available in 6 UN languages



# MAJOR TECHNICAL DEVELOPMENTS

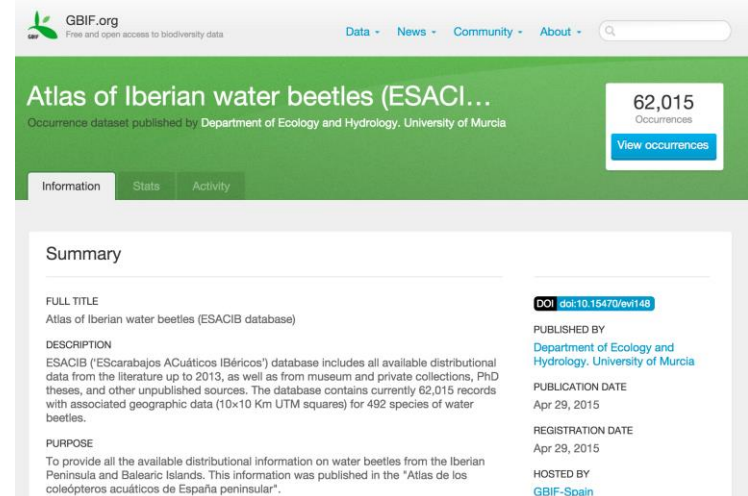
*A summary of significant recent and upcoming developments to enhance functionality of GBIF.org and use of data*

## Progress

- Resource library updated and data use cases integrated in GBIF.org
- Near real-time checklist indexing in place
- 'Simple CSV' downloads and download support for R client introduced
- 200+ open bug fixes completed

## Next steps

- Rework backbone taxonomy
- Enable maps for data search results



DOI [doi:10.15470/evi148](https://doi.org/10.15470/evi148)

# GBIF STRATEGIC PLAN 2017-2021

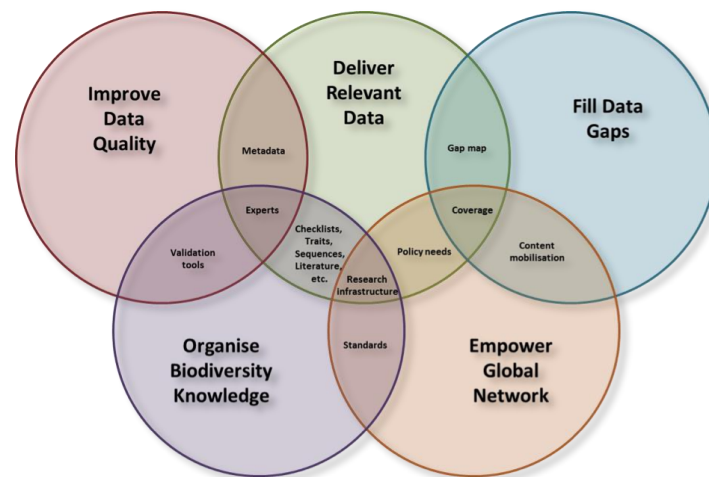
**2015 objective:** *Draft and approve a strategic plan setting priorities for GBIF activities over the five-year period from 2017*

## Progress

- Major themes for Strategic Plan developed at meeting of Science Committee, Nodes Steering Group and Secretariat
- Five draft priorities and associated objectives distributed for open consultation
- Consultation responses analysed

## Next steps

- Draft Strategic Plan for approval at GB22



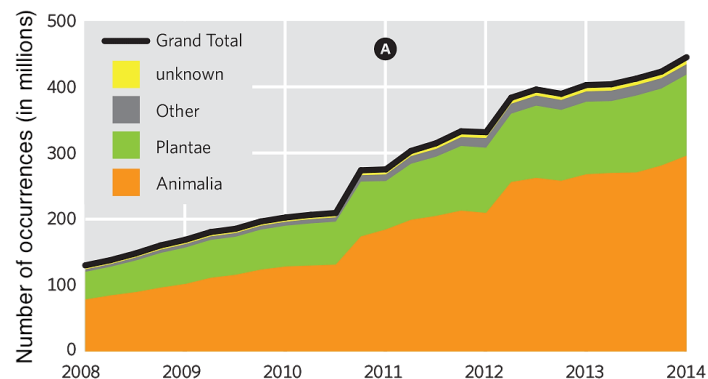


# EXTERNAL ENGAGEMENT

*Summary of key engagement with international partners bringing biodiversity information to decision makers*

- **Convention on Biological Diversity (CBD):** Data mobilized through GBIF used as indicator for Aichi Targets in Global Biodiversity Outlook and regional products; being developed as national-level indicator
- **IPBES:** GBIFS acting as resource for Task Force on Knowledge and Data; candidate Strategic Partner for platform
- **GEO BON:** Collaborating on use of sample-based data for development of Essential Biodiversity Variables (EBVs)
- **IUCN:** Proposed Memorandum of Cooperation (MoC) to integrate respective data and knowledge products
- **CAFF (Arctic Council conservation body):** Proposed MoC to develop data exchange
- **UNESCO International Oceanographic Commission (OBIS):** Steps under way for full integration of OBIS datasets in GBIF.org

## Global Biodiversity Outlook 4



*Growth in species occurrence records published through GBIF*