

GBIF IN ASIA: DATA STATUS, MOBILIZATION, GAPS AND USE

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OUTLINE

- GBIF mediated data in Asia
- Data mobilization from Asia
- Data gaps in Asia
- Data use in Asia



Types of data shared through GBIF









Specimen

Material sample

Fossil

Literature occurrence



Observation Human observation Living specimen



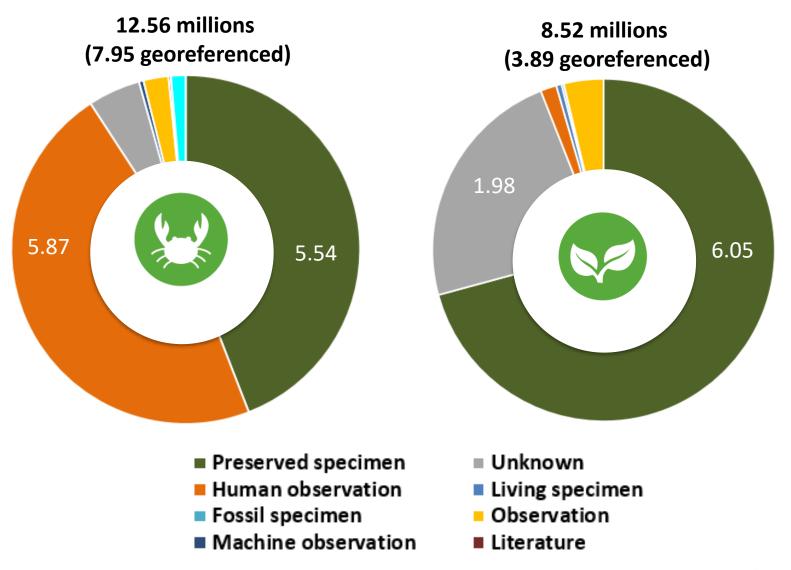
Machine observation

sampling-event data

Data derived from environmental, ecological and natural resource investigations that follow standardized protocols for measuring and observing biodiversity.

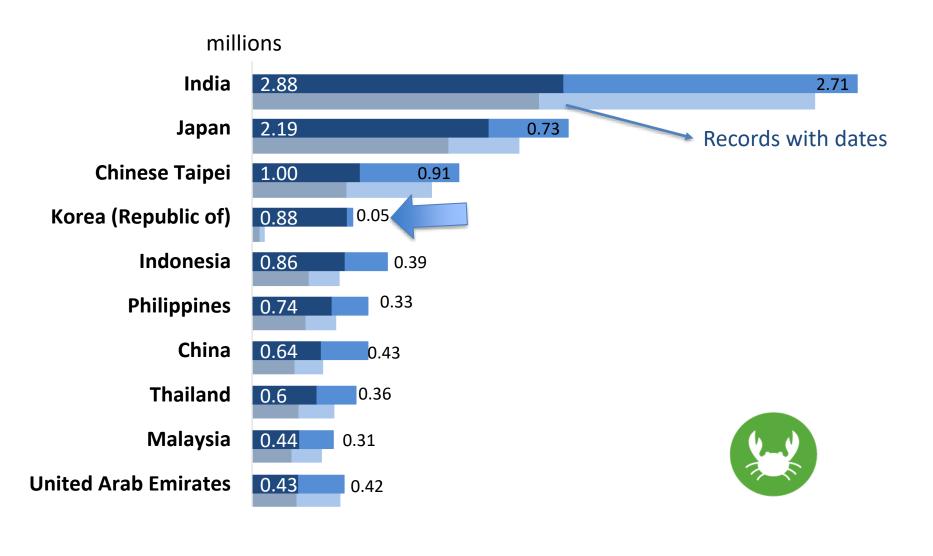


GBIF MEDIATED DATA IN ASIA



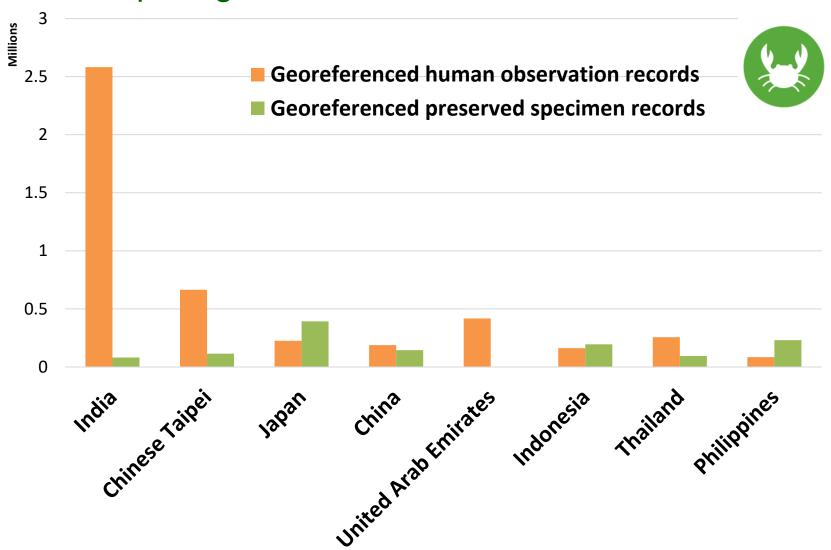


Animal occurrence records in Asia



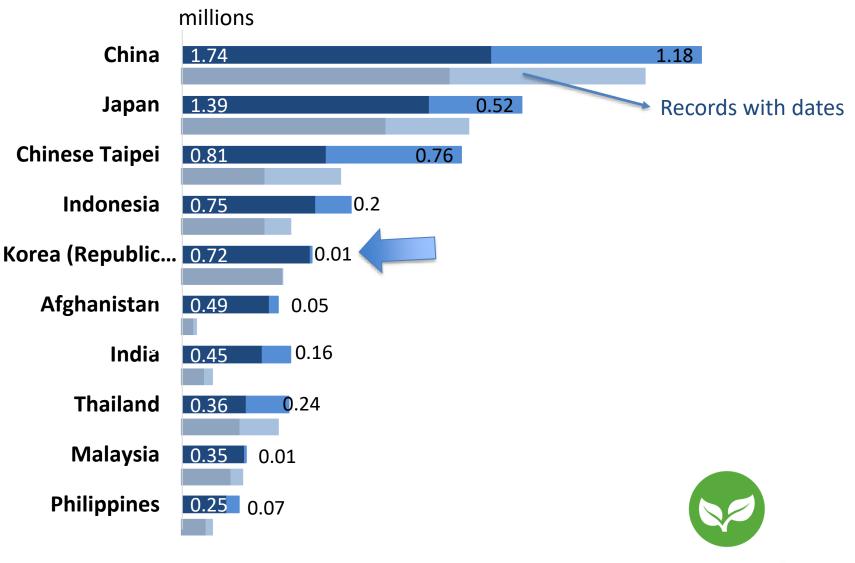
■ All animalia records ■ Georeferenced animalia records

Top 10 georeferenced animal records in Asia





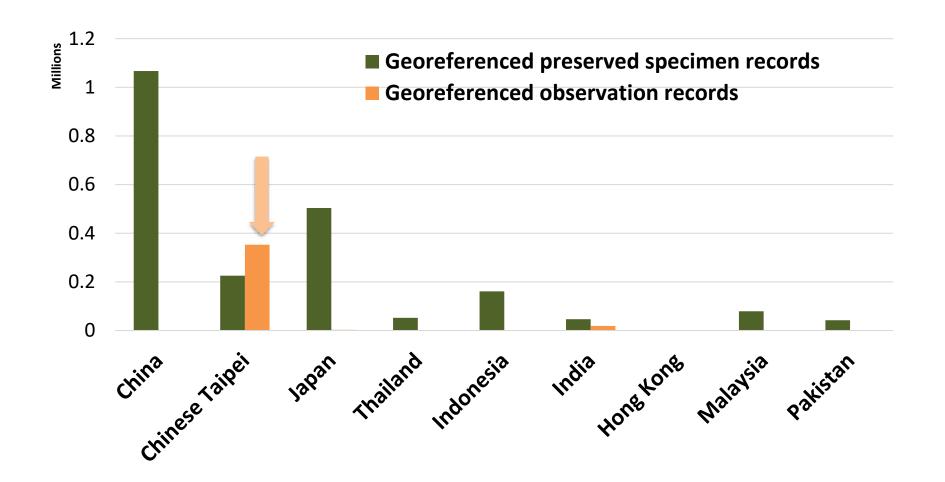
Plant occurrence records in Asia



■ All Plantae records ■ Georeferenced Plantae records

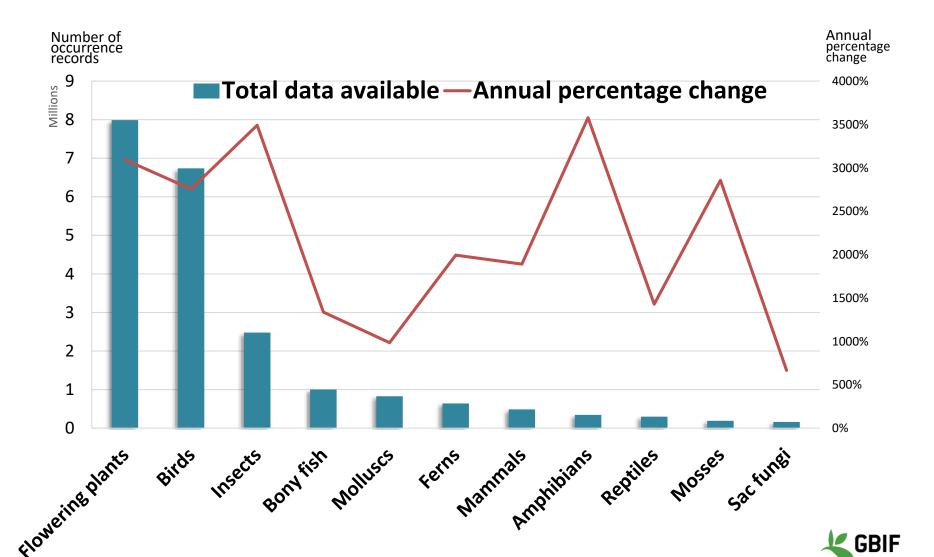


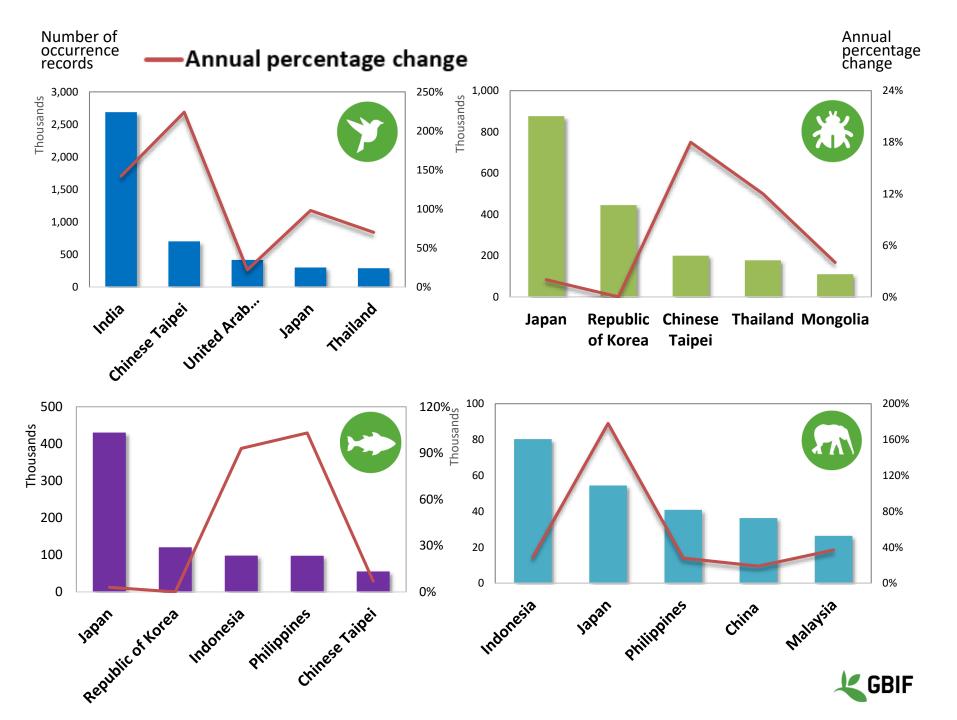
Top 10 georeferenced plant records in Asia



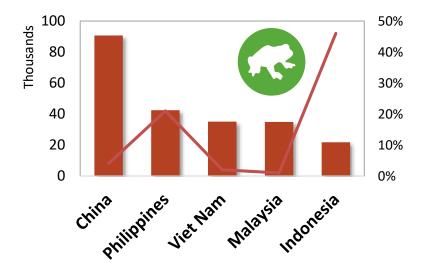


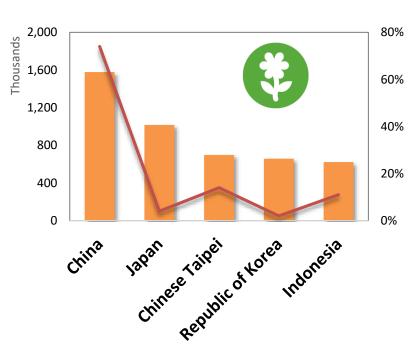
Total data available and annual percentage change for selected taxonomic groups in Asia during 2016



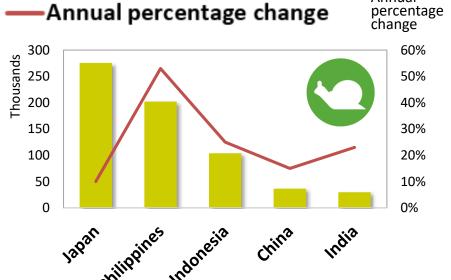


Number of occurrence records

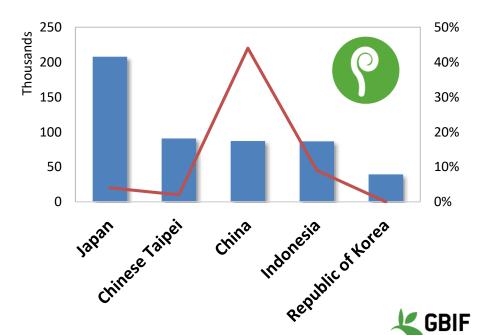




Annual percentage change



Annual



Viet Nam

Names of countries, territories and islands are based on the ISO 3166-1 standard.

Country Report

1/1/16 - 31/12/16

Download

Summary

Data About

Data Publishing

News and Events

Publications



Data about Viet Nam

- 580 occurrence datasets with 300,851 records.
- No checklist datasets.
- No metadata-only datasets relevant to Viet Nam.
- 32 countries contribute data about Viet Nam.

View records shown on the man





l articles

Countries, territories or islands publishing data about Viet Nam

Vie

- United States 140,646 occurrences, 78.55% geo-referenced.
- France 46,057 occurrences, 11.11% geo-referenced.
- Canada 31,532 occurrences, 86.98% geo-referenced.
- Netherlands 20,302 occurrences, 20.42% geo-referenced.
- United Kingdom 17,616 occurrences, 42.88% geo-referenced.
- Germany 16,426 occurrences, 80.24% geo-referenced.

Sumn View all 32 results...

Report

1/12/16

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Occurrence located in Viet Nam

	Specimen		Observation		Fossil		Living		All (incl. "unknown")	
	Records	Georef.	Records	Georef.	Records	Georef.	Records	Georef.	Records	Georef.
Animalia	104541	50908	126540	126048	232	179	14	13	175353	120102
Archaea	0	0	0	0	0	0	0	0	0	0
Bacteria	90	8	0	0	0	0	23	0	222	117
Chromista	180	36	19978	19978	0	0	10	6	10179	10031
Fungi	481	158	48	0	0	0	101	18	636	177
Plantae	96803	41152	76	70	133	15	1001	615	112123	47385
Protozoa	8	2	0	0	0	0	0	0	17	9
Viruses	0	0	0	0	0	0	1	0	1	0
Unknown	371	31	0	0	2	0	17	13	407	59
Total	202795	92370	149494	148948	374	199	1199	694	300851	179453

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Names

United State

France 46.0!

Countrie

Canada 31.5

Netherlands

United Kinge

Germany 16

Sumn

View all 32 res

Viet Nam

12-month report ending 31 December 2016

This report provides a series of summary charts, statistics and other details about the mobilization and use of open-access species data through the GBIF network at global and national scales. These metrics represent change over the past 12 months, unless otherwise noted. Taken together, the elements of this report can help guide and measure progress toward the information needs for national and international commitments on biodiversity and sustainable development.

> Access and usage



Figure 1. Number of peer-reviewed publications citing use of global GBIF-mediated data

Researchers from **Viet Nam** contributed to peer-reviewed articles citing GBIF use during this reporting period and a total of articles since 2008

> Data availability in Viet Nam



Animalia 172,431 occurrences +42%



Plantae 110,238 occurrences +68%



Fungi 627 occurrences +6%



Unknown 2,104 occurrences

+ 5%

Protozoa 20 occurrences + 25%



Bacteria 223 occurrences +39%



Virus 1 occurrences 0 %





Archaea

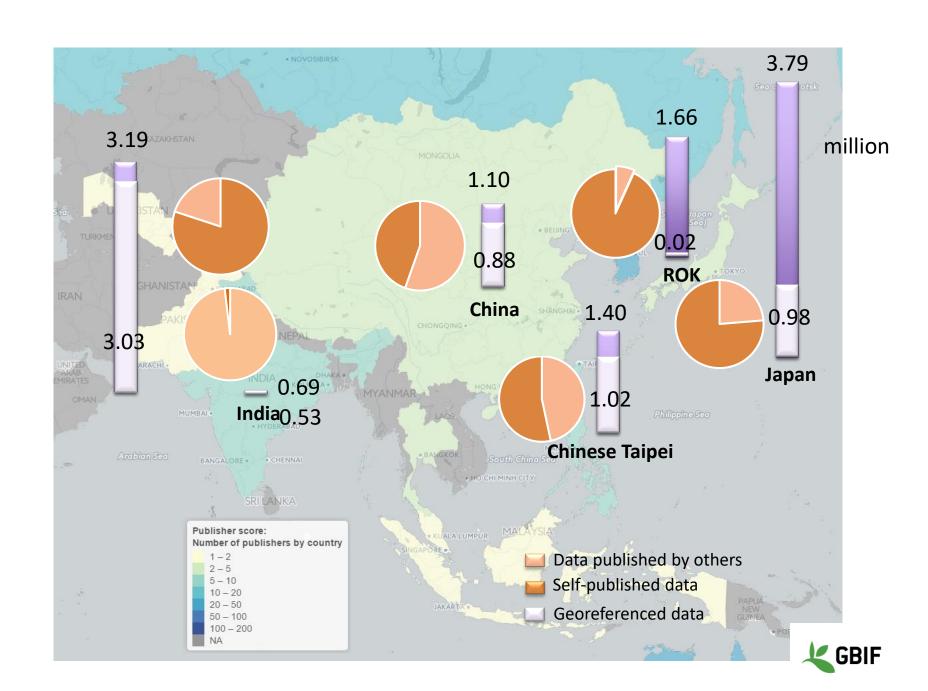




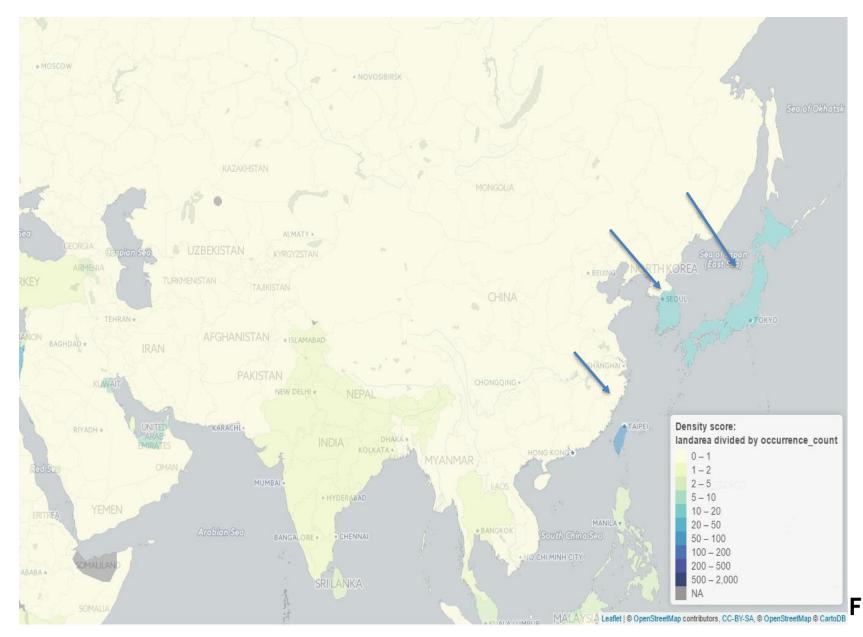
DATA MOBILIZATION FROM ASIA

Top 10 of data availab	eBird Observation Dataset: 2.5 million records TOP One contributor: IND					
Japan		101 0110		. 1110		
India	USA	GBR	COL			
China	CHN	USA	GBR			
Chinese Taipei	TWN	USA	DEU			
Indonesia	NLD	USA	AUS			
Republic of Korea	KOR	USA	COL			
Philippines	USA	NLD	GBR			
Thailand	USA	GBR	JPN			
Malaysia	USA	NLD	GBR			
Viet Nam	USA	FRA	CAN			

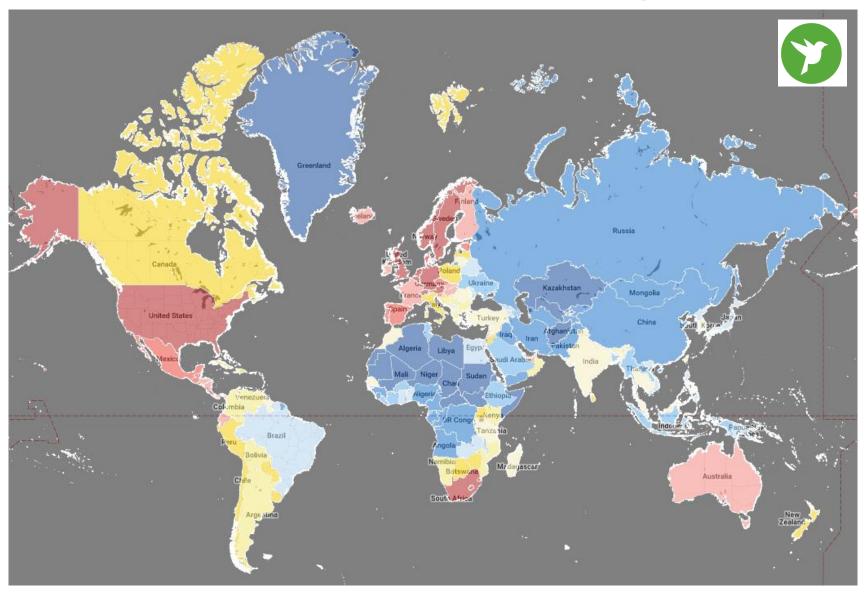




DATA GAPS IN ASIA

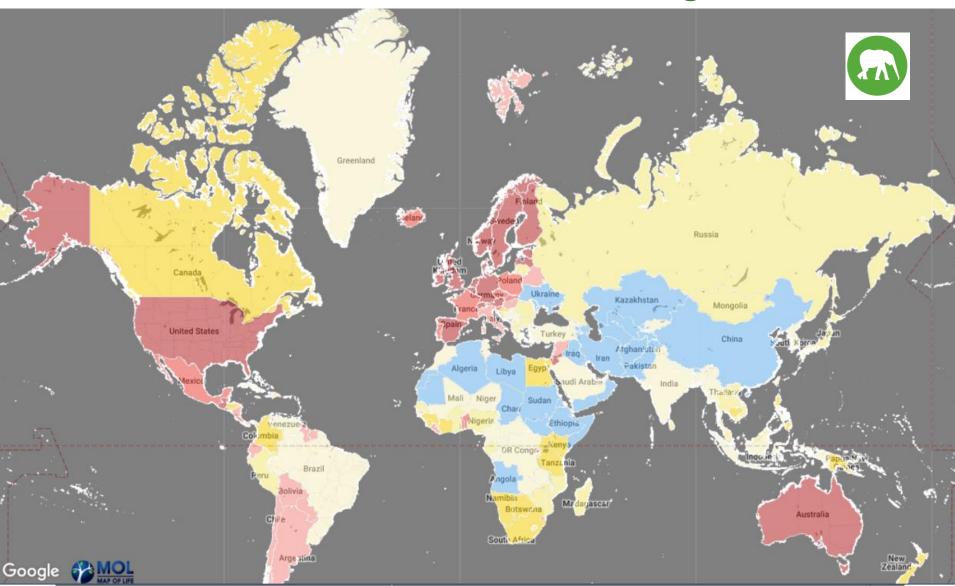


Worldwide data coverage



Data from GBIF, picture available from Map of Life https://mol.org/indicators/coverage

Worldwide data coverage



Data from GBIF, picture available from Map of Life https://mol.org/indicators/coverage

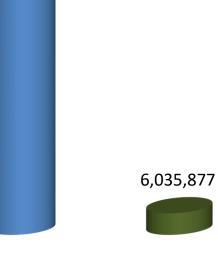


68,247,402

plant specimen

in Herbaria of

Asia



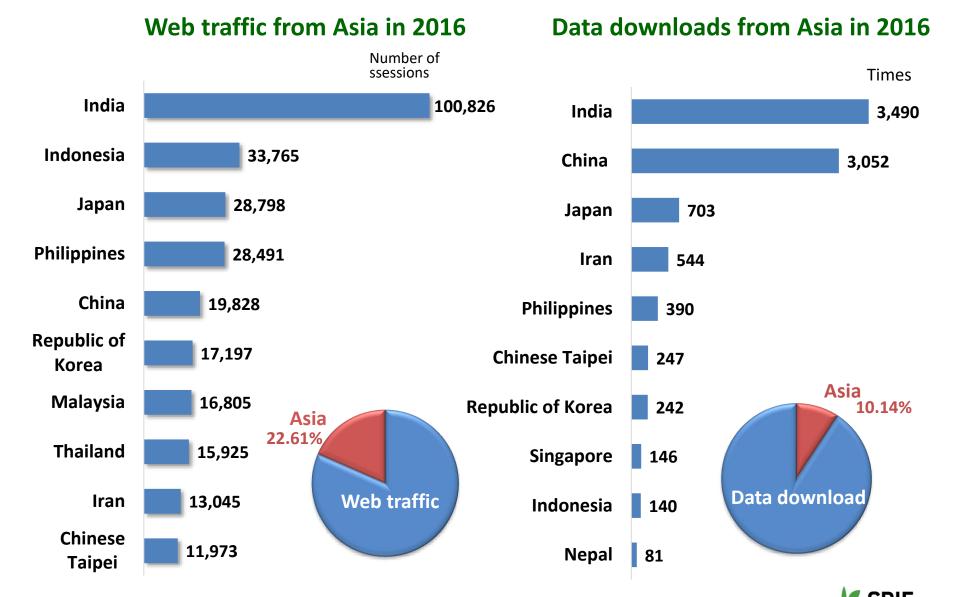
Number of plant specimen occurrence records in GBIF

2,428,311

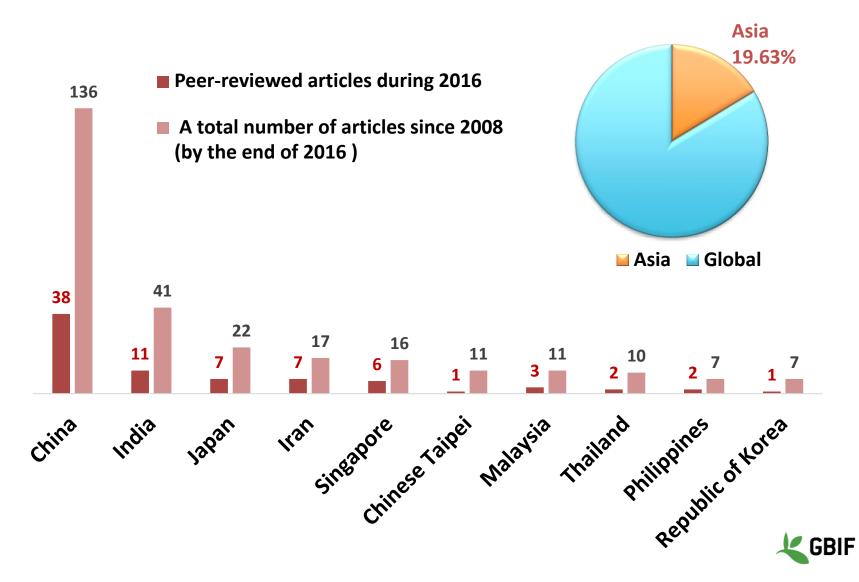
Number of georeferenced plant specimen records in GBIF



DATA USE IN ASIA



Number of papers published in Asia that used GBIF data





Understanding the acquaintance level with primary biodiversity data and knowledge about GBIF in Asia

Purpose of Survey

Online survey:
Understanding the acquaintance level with primary biodiversity data and knowledge about GBIF in Asia

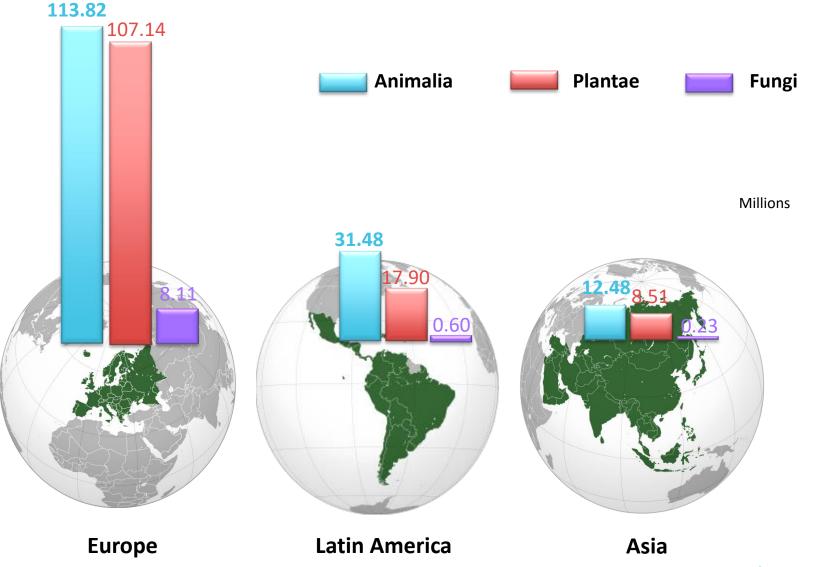
The Global Biodiversity Information Facility (GBIF), an inter governmental organization, facilitates a discovery and publishing mechanism for free and open exchange/sharing of existing biodiversity data, and is the predominant international, publically funded resource for species occurrence data.

The objective of this survey is to understand the acquaintance level with primary biodiversity data and knowledge about GBIF in a wide biodiversity research and conservation field, as well as the needs across Asia user communities, and to identify the gaps in biodiversity data presently accessible through GBIF (www.gbif.org), and make recommendations on data mobilisation strategies to bridge the gap between data needs and data access. The ultimate goal is to provide guidance to GBIF and its data publishers network, in order to improve fitness for use and utility of GBIF mediated data.

There are 33 questions (some are optional), taking most people under 20 minutes. Obligatory questions are marked with "*". If you have any questions about the survey, please contact with us (mluo@gbif.org).

Usage of biodiversity data

Compare Asia data with other regions





•THE NEXT...

Fill the data gap

Digitized specimen

Citizen science

Data Fitness for Use

Georeferenced records

Date tagged records

The 2017 Ebbe Nielsen Challenge

Award €14,000 in prizes to developers and hackers who create tools capable of liberating species records from open data repositories for scientific discovery and reuse



Thank you!

