

Mapping Asia Plants (MAP)

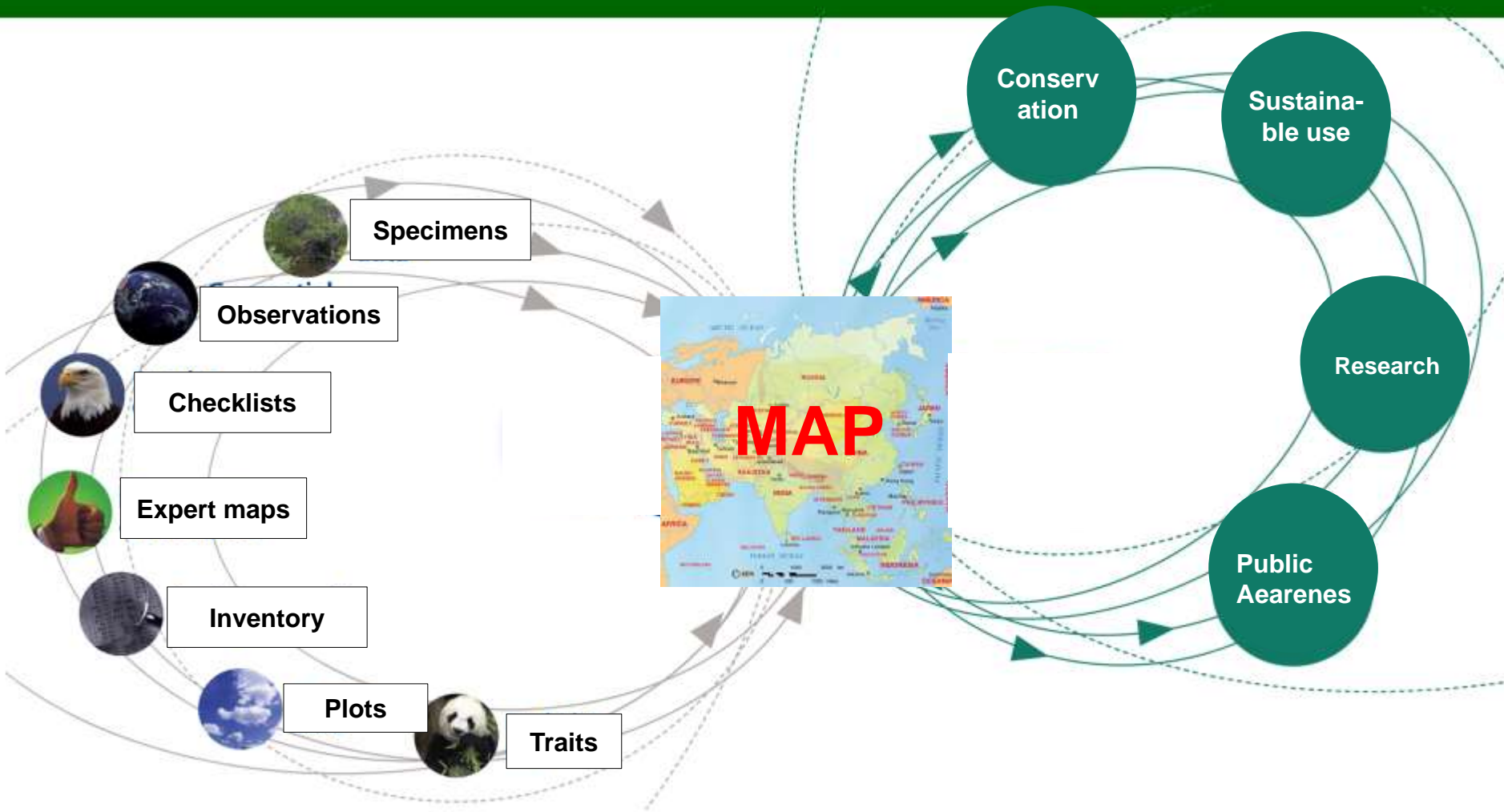
Keping MA
kpma@ibcas.ac.cn

Institute of Botany, Chinese Academy of Sciences 2017-06-13

Mapping Asia Plants

- **Why**
- What
- Who
- Where
- Way forward

Connecting:



• **Data sets**

• **Services**

BIODIVERSITY HOTSPOTS

(Use the menu to see all the Hotspots by name.) ▶



HOTSPOTS MENU

(Move your mouse over each Hotspot to learn more about that region.)

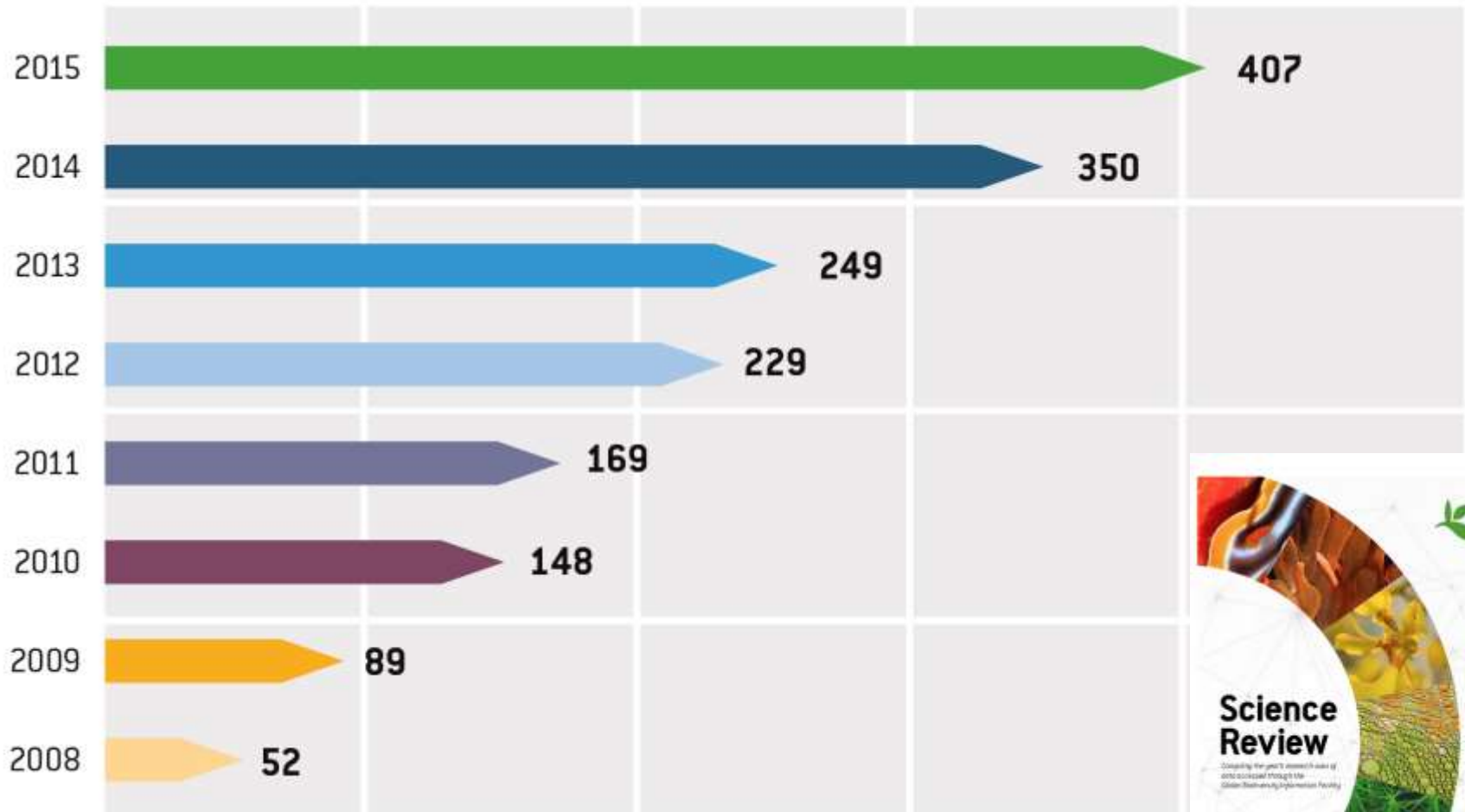


CLOSE WINDOW [X]

Map adapted from NATIONAL GEOGRAPHIC, January 2001

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Number of Papers Based on GBIF Data

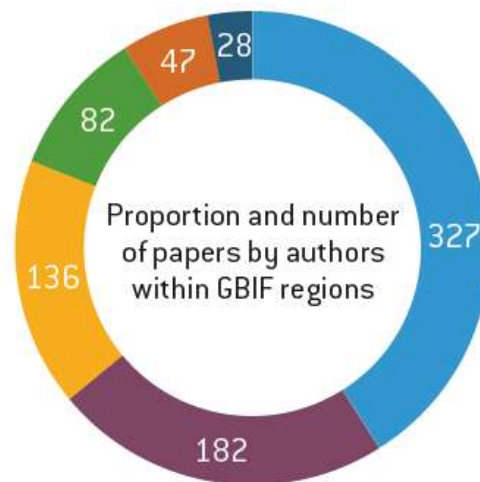


Main Topics of GBIF Papers

- Invasive alien species
- Impacts of climate change
- Species conservation and protected areas .
- Biodiversity and human health
- Food, farming and biofuels
- Advancing biodiversity science

NUMBER OF ARTICLES WITH AUTHORS BY COUNTRY/ISLAND/TERRITORY

163	United States
59	United Kingdom
44	Germany
38	Australia
36	China
33	Mexico
32	Spain
30	Brazil
24	France
23	Colombia
22	Switzerland
19	Belgium
17	Canada
16	Netherlands
15	Sweden
14	Chile • Denmark • Italy
12	Norway
10	South Africa
9	New Zealand
8	Austria • India • Russian Federation
7	Argentina

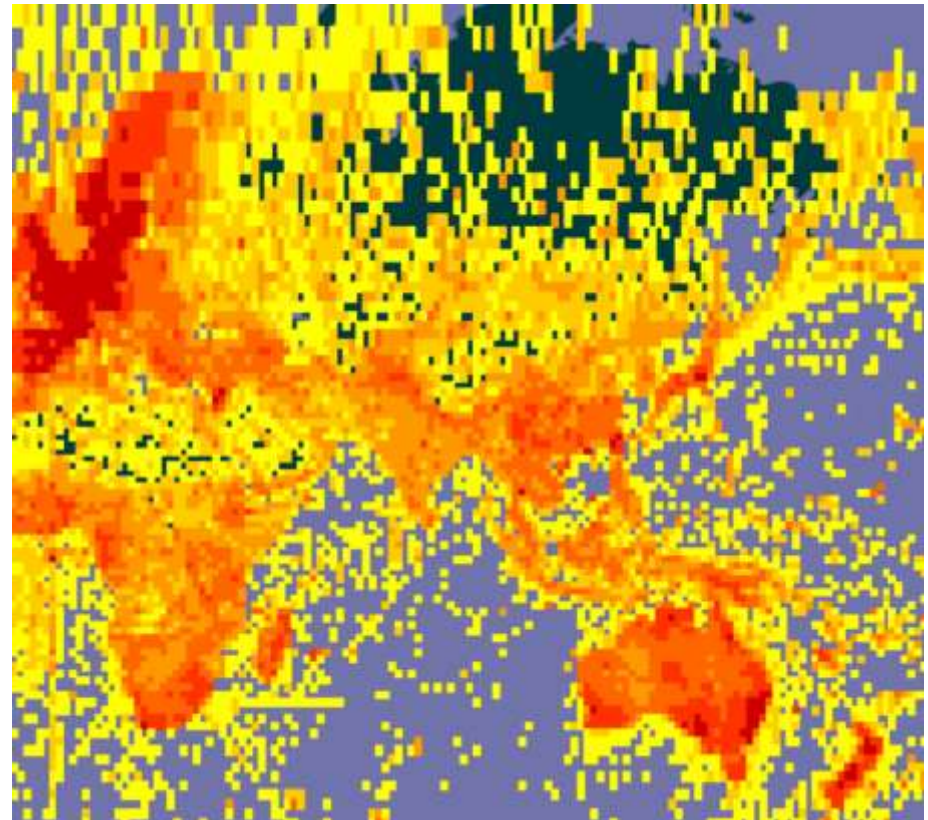
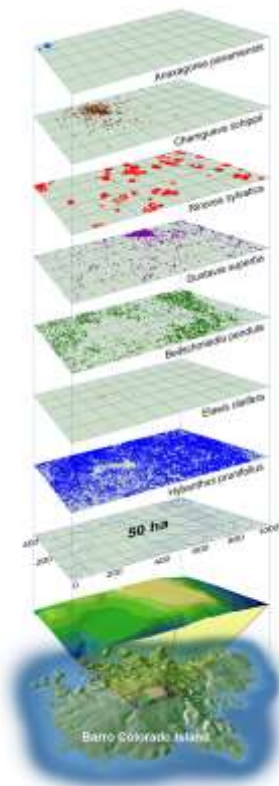


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Mission for MAP

A better mapping infrastructure for plant diversity conservation in Asia



Goals for MAP

Access to

- Geographic range maps, diversity maps;
- Species checklists;
- Standardized botanical observation datasets;
- Standardized workflow and informatics engine for the integration, access, and discovery of disparate sources of botanical information in Asia.

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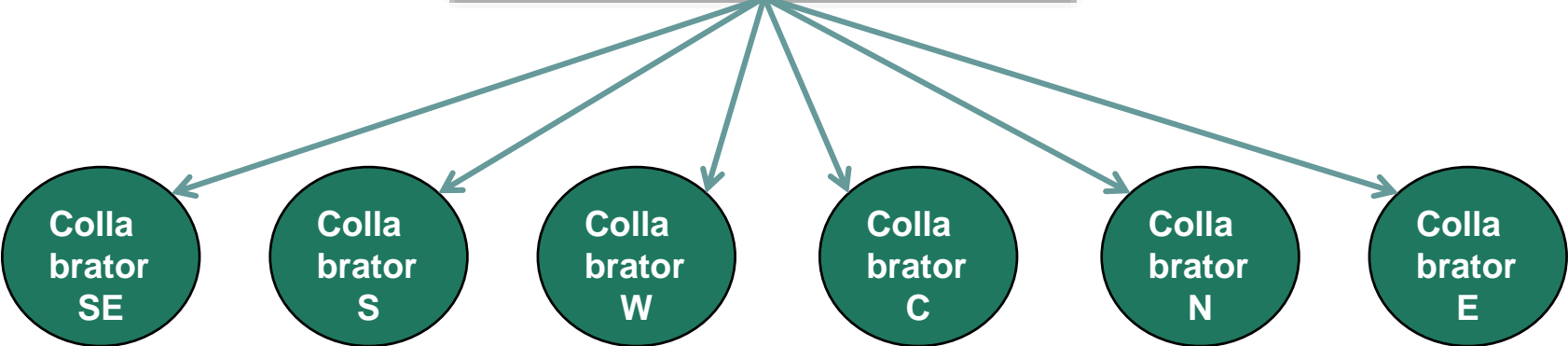
Organization structure for MAP



ABCDNet



Working group





News

Inaugural Meeting of Chinese National Committee for Future Earth was held in Beijing, China. The Chinese National Committee for Future Earth(CNC-FE) was founded on 01/10/2012.

Delegation of Biodiversity Center, DPRK State Academy of Sciences Visited the Biodiversity Committee, CAS

On March 17, Prof. Pak U, the Vice President of MAB Biosphere Reserve in Korea and...

Successful retreat for Atmosphere Initiative

ICIMOD's Atmosphere Initiative organized a retreat...

Network Resources

中国高等植物信息系统数据库

广西植物志网络信息平台

中国微生物与病毒学数据库

中科院昆明植物所科研基地数据库

海南五峰国家级自然保护区

About Us

Asia is among the most biologically rich and also the highly populated area of the planet earth. Consequently, Asian countries are experiencing severe threats to their biodiversity rich areas and the ecosystems. This is accentuated by the fact that in Asia millions of people derive...

Asia Species List

Asia is the world's largest and most populous continent. It covers 8.7% of the Earth's total surface area and comprises 30% of its land area. Among 34 biodiversity hotspots identified by Conservation International, about one third distributes in Asia. However, Asian countries are...

Asia Red List

The IUCN Red List is the most comprehensive information source on the status of wild species and their links to livelihoods. It is the clarion call for fighting the extinction crisis. To better prompt the Red List work in Asia countries and clarify the species status, ABCDNet aims to develop a Red List database covering all...

Cooperation



About

- History
- Mission
- Working Group
- Plan Schedule
- Governance
- Vision
- News
- Membership
- Roadmap

Data

- Databases
- Tools
- Data Owner
- Network Resources
- Global Thematic Databases
- Use of Data

Conservation

- Ecosystem Monitoring and Conservation
- Species Conservation
- Genetic Conservation
- National Strategy
- Case Study
- Related Museums in Asia



Members List

- BC-CAS
- ICIMOD
- ACB
- LIPI
-
- Join us as a Member

Partners List

- GBIF
- NSII
- Sp2000-China
- CForBio
-
- Join us as a Partner

Steering Committee of ABCDNet

Name	Role	Affiliation
Keping Ma	Co-Chair	Institute of Botany, Chinese Academy of Sciences
K N Ganeshaiyah	Co-Chair	University of Agricultural Sciences, GKVK Bangalore India
Sheila G Vergar	Member	ASEAN Centre For Biodiversity
Dedy Darnaedi	Member	RC Biology, Indonesian Institute of Sciences
Eun-Shik Kim	Member	Kookmin University, Korea
Nakul Chettri	Member	International Centre for Integrated Mountain Development
Chunquan Zhu	Member	IUCN China Office
Ding Wang	Member	Secretariat of Man and the Biosphere, CAS
Liliya Dimeyeva	Member	Institute of Botany & Phytointroduction, Kazakhstan

ABCDNet 2015 Annual Meeting



Mapping Asia Plants (MAP)



Working group for MAP



Coordinator



SE Asia



S Asia



W Asia



NE Asia



N Asia



C Asia

Global Biodiversity Information Facility

GBIF



[Login](#) or [Create a new account](#)



[Data](#) ▾ [News](#) ▾ [Community](#) ▾ [About](#) ▾

Global Biodiversity Information Facility

Free and Open Access to Biodiversity Data

737,864,950

OCCURRENCES

1,718,908

SPECIES

35,787

DATASETS

970

DATA PUBLISHERS

Sharing biodiversity data for re-use

[Learn about GBIF](#)

[Publish your data through GBIF](#)

[Technical infrastructure](#)

Providing evidence for research and decisions

[Using data through GBIF](#)

[Enabling biodiversity science](#)

[Supporting global targets](#)

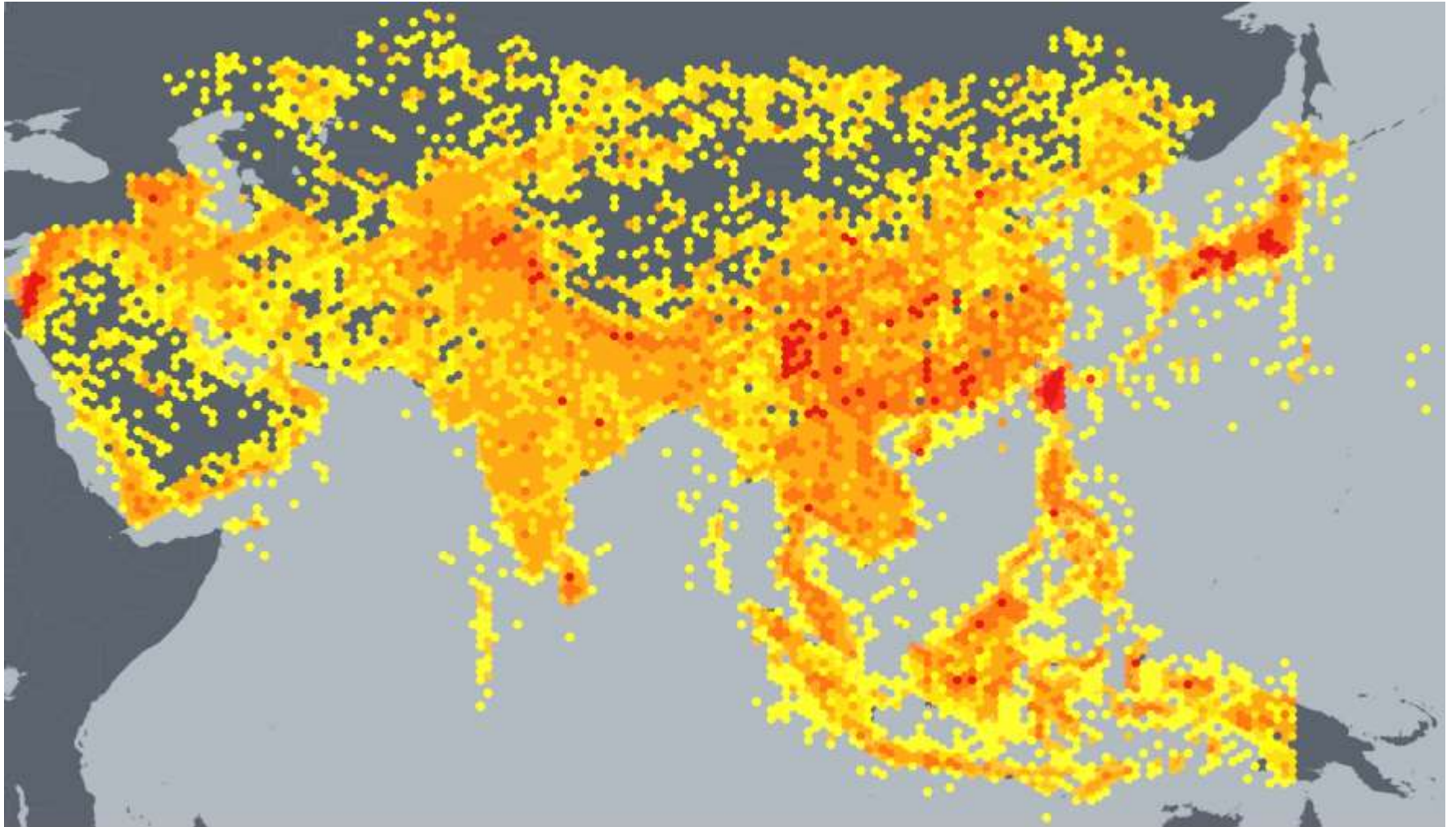
Collaborating as a global community

[Current Participants](#)

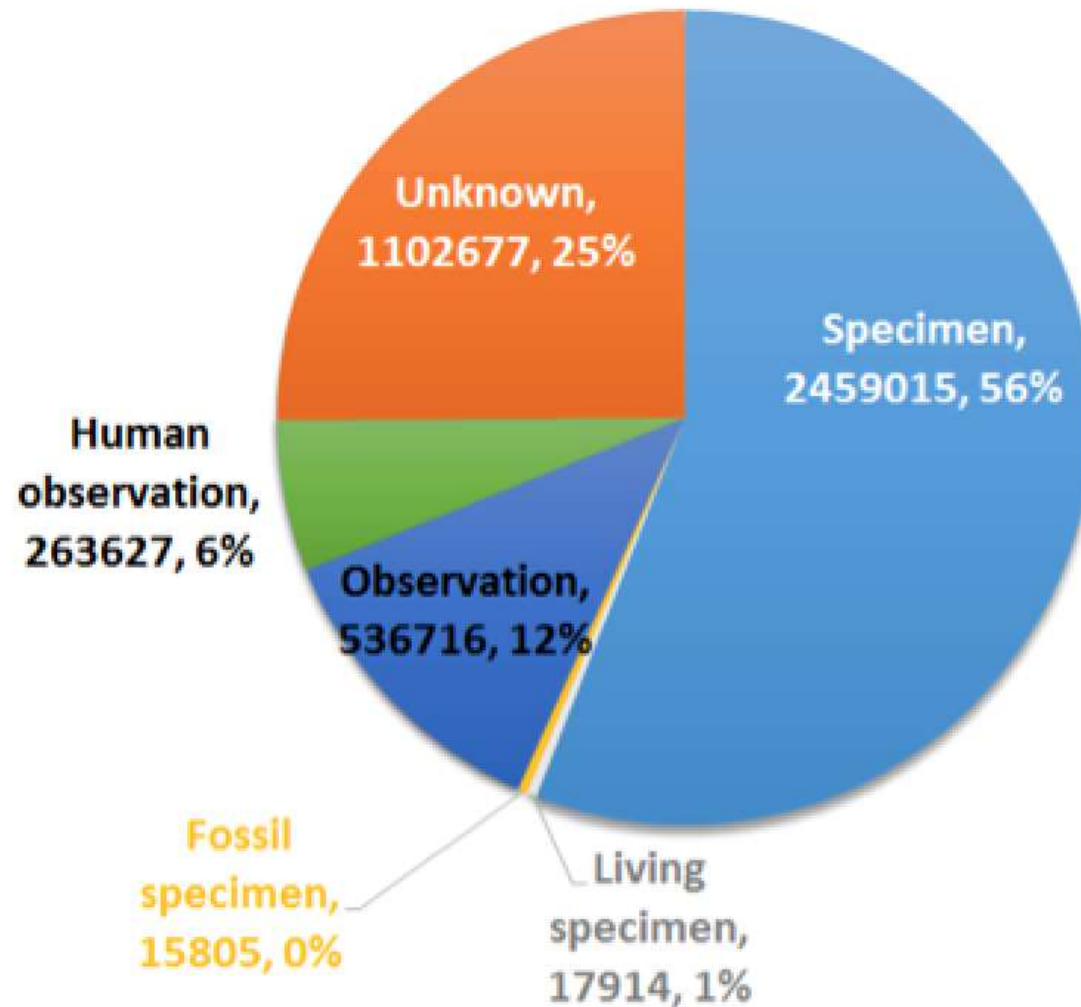
[How GBIF is funded](#)

[Enhancing capacity](#)

GBIF Data in Asia



Plant occurrence data in Asia





Botanical Information and Ecology Network



Home

Welcome to BIEN, the Botanical Information and Ecology Network

BIEN is a network of ecologists, botanists, and computer scientists working together to document global patterns of plant diversity, function and distribution.

Our central goal – To deliver (i) *standardized botanical observation records*, (ii) *geographic range maps, diversity maps*, (iii) *species lists*; and (iv) *a species-level phylogeny for all of the plants in the New World*. This information will enable us to better understand the determinants of the past and present plant diversity, distributions and abundance. This knowledge is essential for predicting how species, vegetation and agricultural crops will respond to future climate changes as well as providing a more accurate baseline to describe many dimensions of plant diversity (taxonomic, functional, and phylogenetic) in the New World.



The BIEN working group is developing a standardized workflow and informatics engine for the integration, access, and discovery of disparate sources of botanical information. The BIEN working group is a conduit for standardizing, integrating *others people's data* so as to do repeatable Science. Further, the working group is utilizing these standardized data to create several deliverables including geographic range maps for all species in the New World, an integrated trait database, and a species-level phylogeny for Embryophytes of the New World.

The BIEN website- is a portal to summarize the different goals and projects associated with BIEN and brings together many types of data needed to address several pressing ecological and global change questions. Here you will find access to, for all plant species in the New World (i) georeferenced plant observations from herbarium, plot, and trait

Members

- [Log in](#)

Pages

- [Home](#)
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- [Participants](#)
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- [Tools and applications](#)
- [Acknowledgments](#)
- [Links](#)

Search

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MAP Study Tour in SE Asia



Overseas participants of MAP workshop (29-30 Nov, 2016)

Name	Position	Institute	Country
Ganeshaiyah K N	Professor	School of Ecology and Conservation, UAS GKVK Bangalore	India
Wichan Eiadthong	Vice Header of Department of Forest Biology	Kasetsart Uiversity	Thailand
Himmah Rustiamih	Curator at Monocot Collections, Herbarium Bogoriense	Herbarium Bogoriense, Research Center for Biology - Indonesian Institute of Sciences	Indonesia
Dedy Darnaedi	Director Plant Resources of South East Asia	Research Center for Biology - Indonesian Institute of Sciences	Indonesia
Danilo N. Tandang	Museum Researcher	National Museum of the Philippines	Philippines
Do Van Truong	Researcher	Vietnam National Museum of Nature	Vietnam
Yong Kien Thai	Curator of Herbarium	University of Malaya	Malaysia
Daniel Thomas	Researcher	Singapore Botanic Gardens	Singapore

MAP Workshop for Southeast Asia (29-30 Nov, 2016)





MAP Workshop for South Asia



Efforts in Mapping China's Biodiversity

- Catalogue of species in China
- Collecting data from literature
- Digitization of specimens
- Occurrence data from observations
- Mapping data based research in China

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Catalogue of Life China 2016 Annual Checklist

Organized by the Biodiversity Committee of Chinese Academy of Sciences (BC-CAS), Catalogue of Life China 2016 Annual Checklist edition has been compiled by Species 2000 China Node.

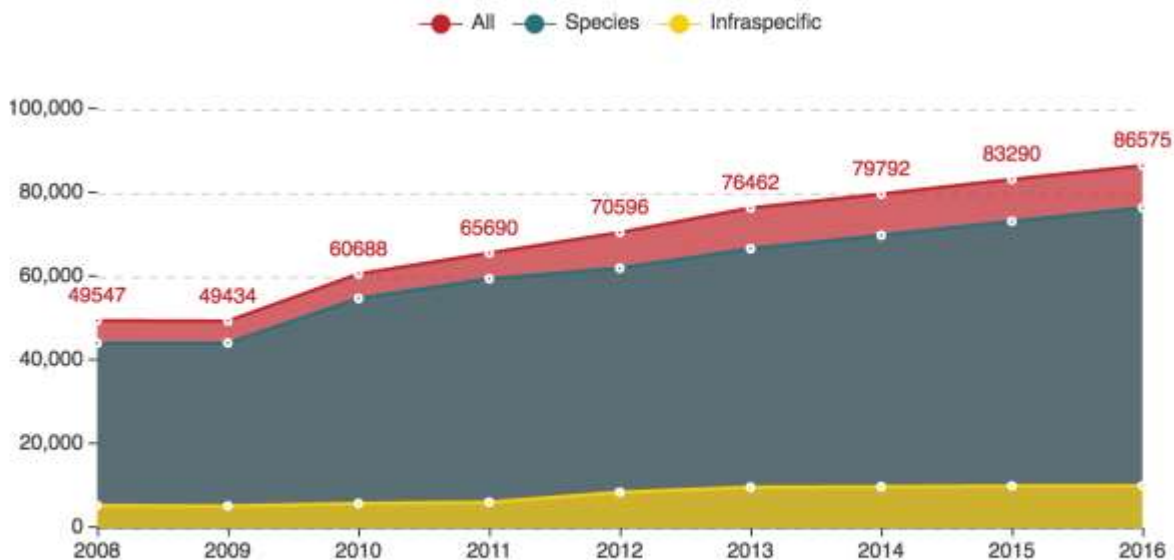
Col: 2016 Annual Checklist



News

Title	Date
Catalogue of Life China 2016 Annual Checklist	2016-05-21
Catalogue of Life China 2015 Annual Checklist Released	2015-05-22
Catalogue of Life China 2014 Annual Checklist Released	2014-08-26
Catalogue of Life China 2013 Annual Checklist Released	2013-11-22
Catalogue of Life: 2010 Annual Checklist Released	2010-05-20
2008 Annual Meeting of China Node in Beijing	2009-01-12
Activities of Species 2000 China Node in 2007	2007-03-26
Prof. Frank Bisby visited again for the China Node	2007-03-01
Welcome to Species 2000 China Node!	2006-12-16

Statistics on Species and Infraspecies by Year



Efforts in Mapping China's Biodiversity

- Catalogue of species in China
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Biodiversity Heritage Library-China



BHL
Biodiversity Heritage Library
生物多样性图书馆中国节点

中国最权威、最丰富的生物多样性文献资源共享平台

首页

名称搜索

资源浏览

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本站动态

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English

资源统计

数字中文文献: 1.8万册

名称-页码(本站): 140万条

数字英文文献: 10.8万册

名称-页码(BHL): 9070万条

专题库资源

中国植物志

中国动物志

中国真菌志

栽培植物专题

中国高等植物图鉴专题

东亚植物文献专题

植物学拉丁文学习专题

物种名
物种名
文献标题

搜索

菌物

动物

植物

地质

极地

古籍



中国植物志系列
中国高等植物系列
各类植物图志
自然保护区相关
植被系列
植物用途系列
蕨类系列
苔藓系列

新物种发现

学名、异名、中文名、拼音等

检索

主页

卷册索引

学名索引

中文索引

分省名录

经济用途

高级检索

总论

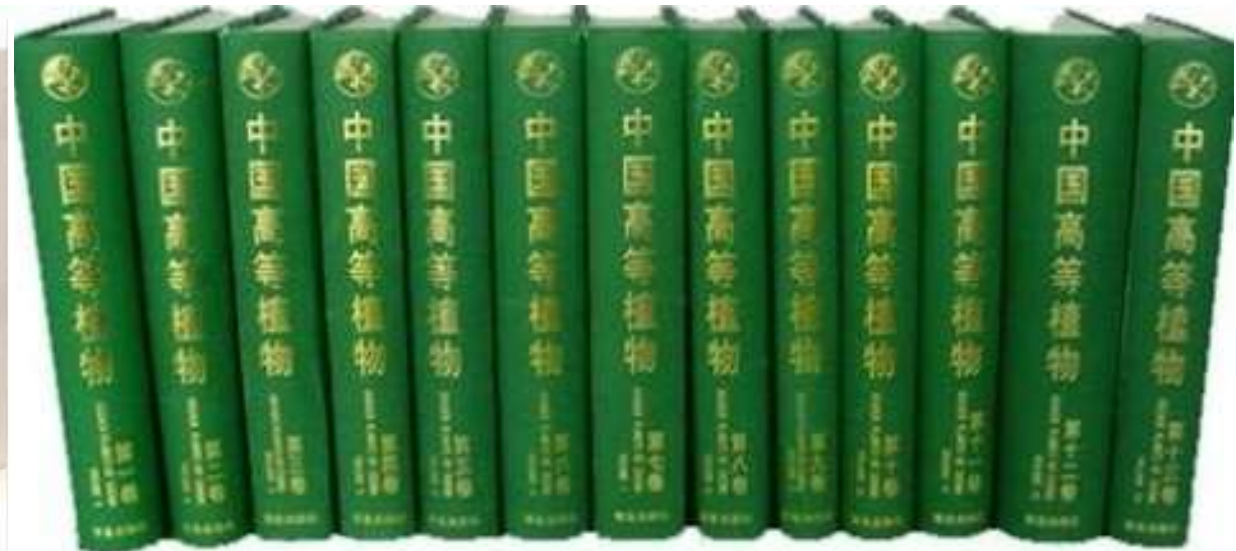
关于本志

中国植物志

- ✚ Acanthaceae 爵床科
- ✚ Aceraceae 槭树科
- ✚ Actinidiaceae 猕猴桃科
- ✚ Adoxaceae 五福花科
- ✚ Aizoaceae 番杏科
- ✚ Alangiaceae 八角枫科
- ✚ Alismataceae 泽泻科
- ✚ Amaranthaceae 苋科
- ✚ Amaryllidaceae 石蒜科
- ✚ Anacardiaceae 漆树科
- ✚ Ancistrocladaceae 钩枝藤科
- ✚ Annonaceae 番荔枝科
- ✚ Apocynaceae 夹竹桃科
- ✚ Aponogetonaceae 水蕹科
- ✚ Aquifoliaceae 冬青科
- ✚ Araceae 天南星科
- ✚ Araliaceae 五加科
- ✚ Araucariaceae 南洋杉科
- ✚ Aristolochiaceae 马兜铃科
- ✚ Asclepiadaceae 萝藦科
- ✚ Balanophoraceae 蛇菰科
- ✚ Balsaminaceae 凤仙花科



Flora of China



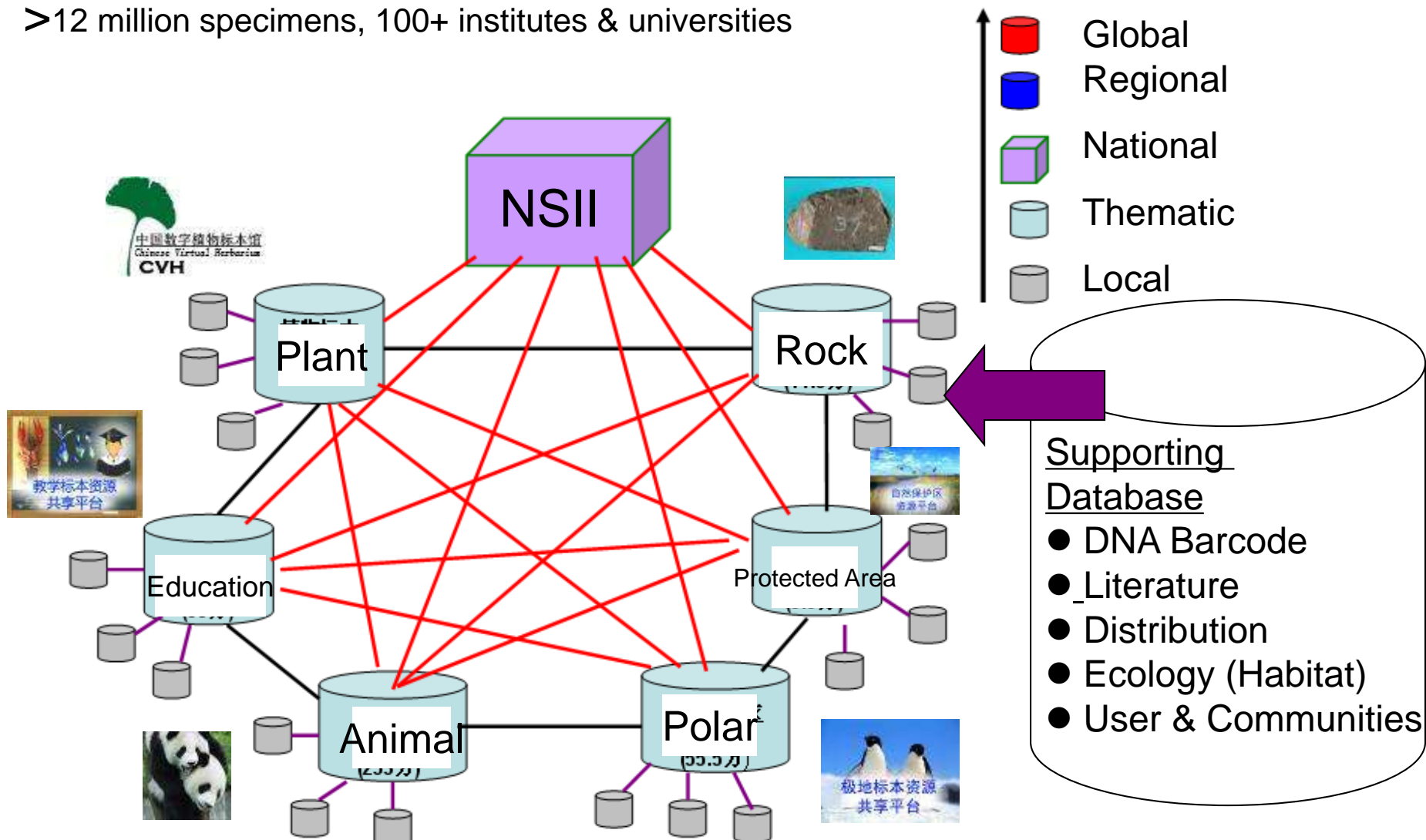
Efforts in Mapping China's Biodiversity

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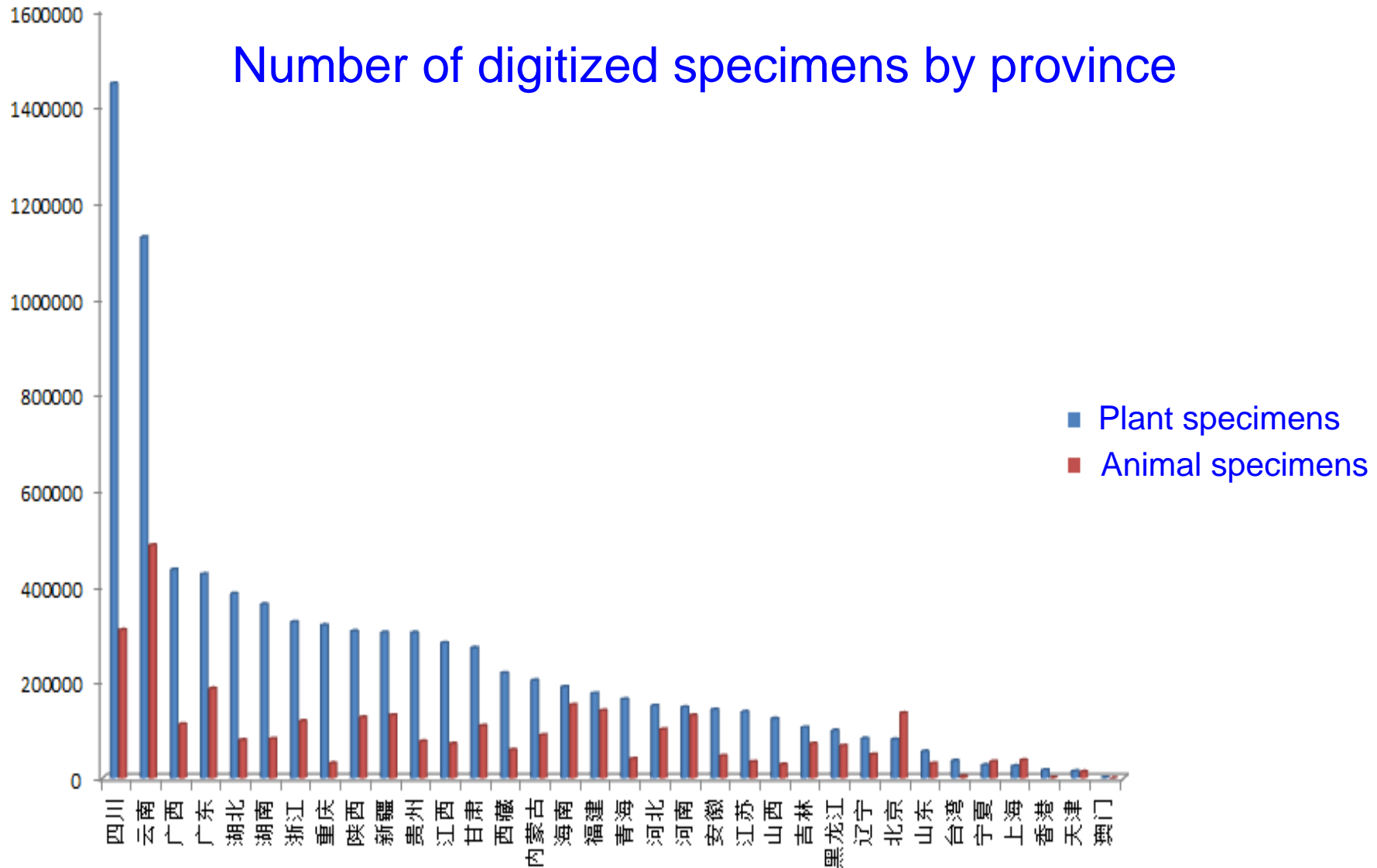
All-in-one Design:

NSII(National Specimen Information Infrastructure)

>12 million specimens, 100+ institutes & universities

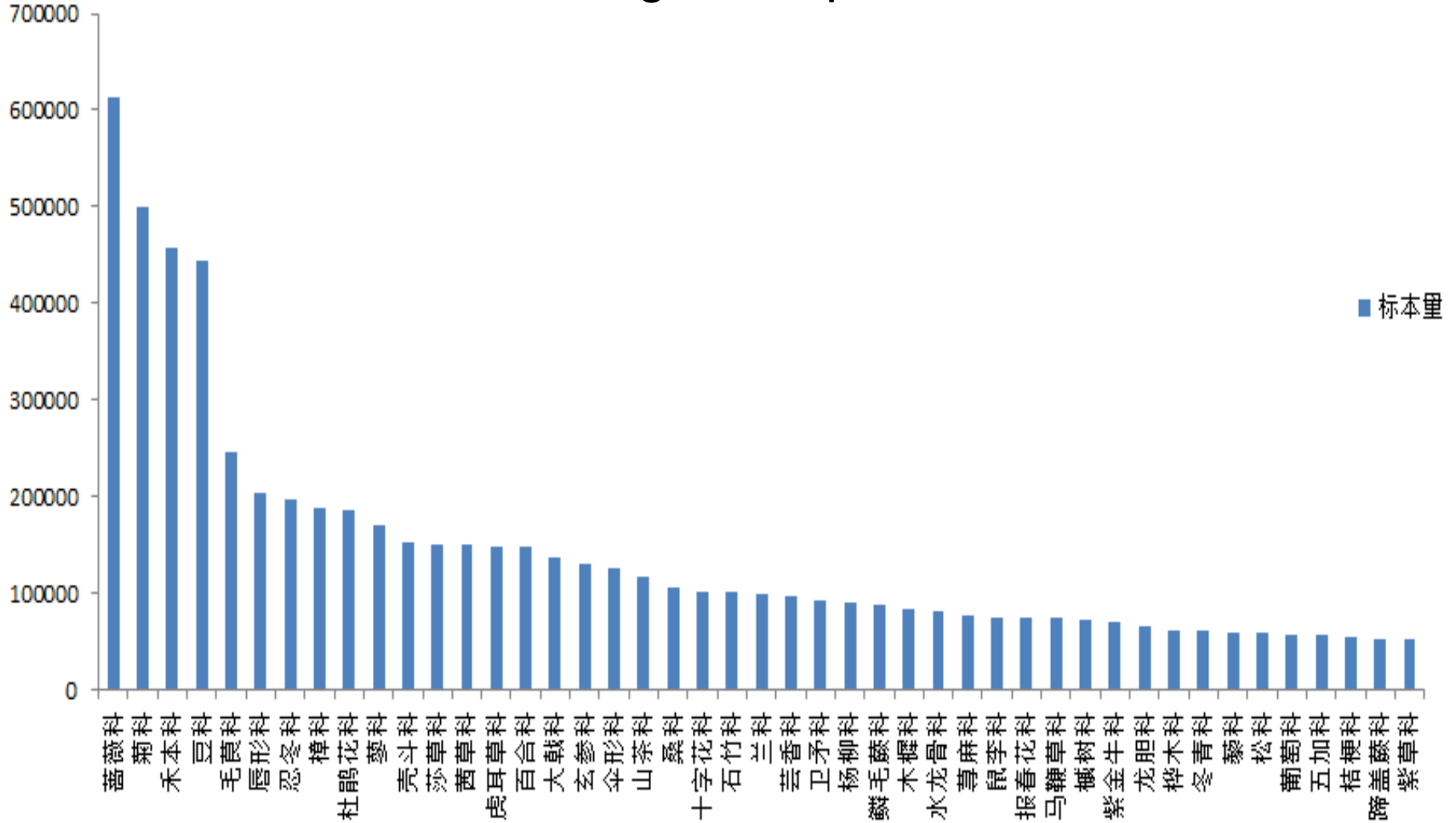


Number of digitized specimens by province



Top 3 provinces for plant specimens: Sichuan(1446242), Yunnan (1126375), Gunagxi(434206); Top 3 for animal specimens: Yunnan (485205), Sichuan(308825), Guangdong(186765).

Families with digitized specimens more than 50K





植物标本资源共享平台

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分类树

资源检索

标准规范

数据申请

项目进展

平台介绍

联系我们



模式标本
64982



标本记录
6114011



彩色照片
100231

学名 中文名 采集人号 采集地 馆条码号

新闻动态

更多...

- 2015/11/03 [工作进展] CVH 标本数字化相关软件下载
- 2015/11/02 [工作进展] CVH 2015新版网站正式发布
- 2015/09/21 [工作进展] 标本采集人整理简报
- 2015/08/07 [业内动态] 华南植物园举办第四届“标本采集与鉴定高级研修班”
- 2015/07/30 [工作进展] 植物标本数字化技术培训班在京圆满结束
- 2015/07/25 [业内动态] 《国际藻类、菌物和植物命名法规》高级研讨班通知



国家科技基础条件平台

苔藓植物专题

蕨类植物专题

裸子植物专题

贵州苔藓专题

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Nature Is a Living Museum
Share Discoveries by Photos



Chinese Field Herbarium

探索自然 记录发现
将地球变成活的标本馆



Last Photos MODE



Species Query



Statistics 2017-05-16 15:32:10



Albums:30,692



Photos:8,460,256



Identified Photos:5,648,070



Identified Names:62,655 [+]



Digital Specimens:1,046,810



Coordinated Photos:1,790,175



Detail Identified Photos:4,907,462



Uploaded Today:1,141



Users:14,511



Resource Index

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The way forward

