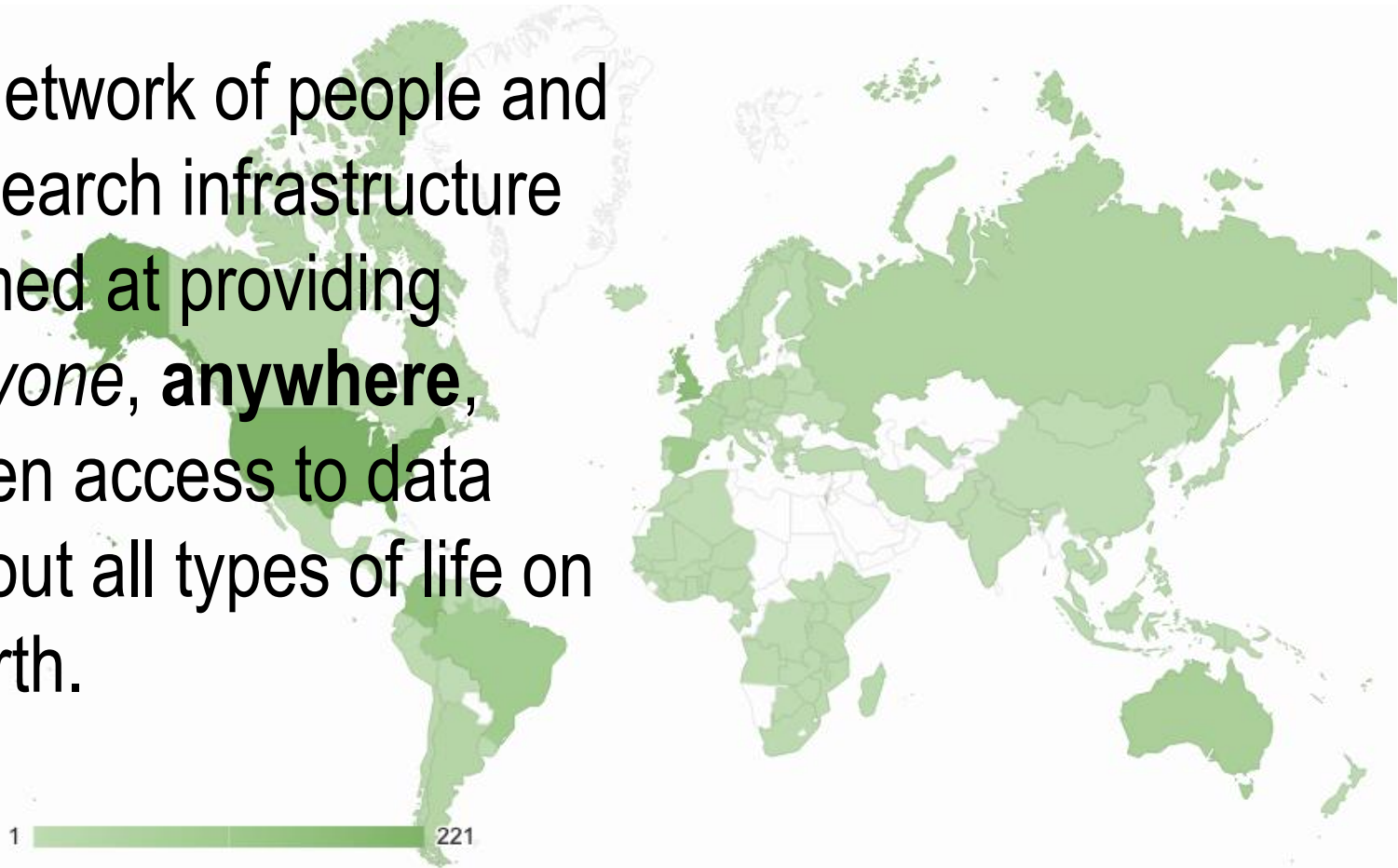# INTRODUCTION TO GBIF AND GBIF APPROACH TO CAPACITY

Joe Miller, Executive Secretary, GBIF

BID MEETING BRUSSELS, 13-14 NOVEMBER 2019

WHAT IS GBIF?

A network of people and research infrastructure aimed at providing *anyone*, **anywhere**, open access to data about all types of life on Earth.

1   221

GBIF

MEMORANDUM OF UNDERSTANDING (MOU)

- Non-binding agreement signed by all Participants

- Establishes principles of open data sharing

- Sets out governance arrangements

THE GBIF INVESTMENT

Global (funding from voting participants, supplementary grants):
- Technical infrastructure, data indexing, GBIF.org, API
- Documentation and guidance, training, capacity enhancement
- Collaboration and governance

National (funding from ministries, research councils etc.):
- Coordination of national biodiversity information facilities (nodes)
- Stakeholder engagement, training, workshops
- Technical support for data management and publication
- National data discovery platforms, supporting applications in research and policy
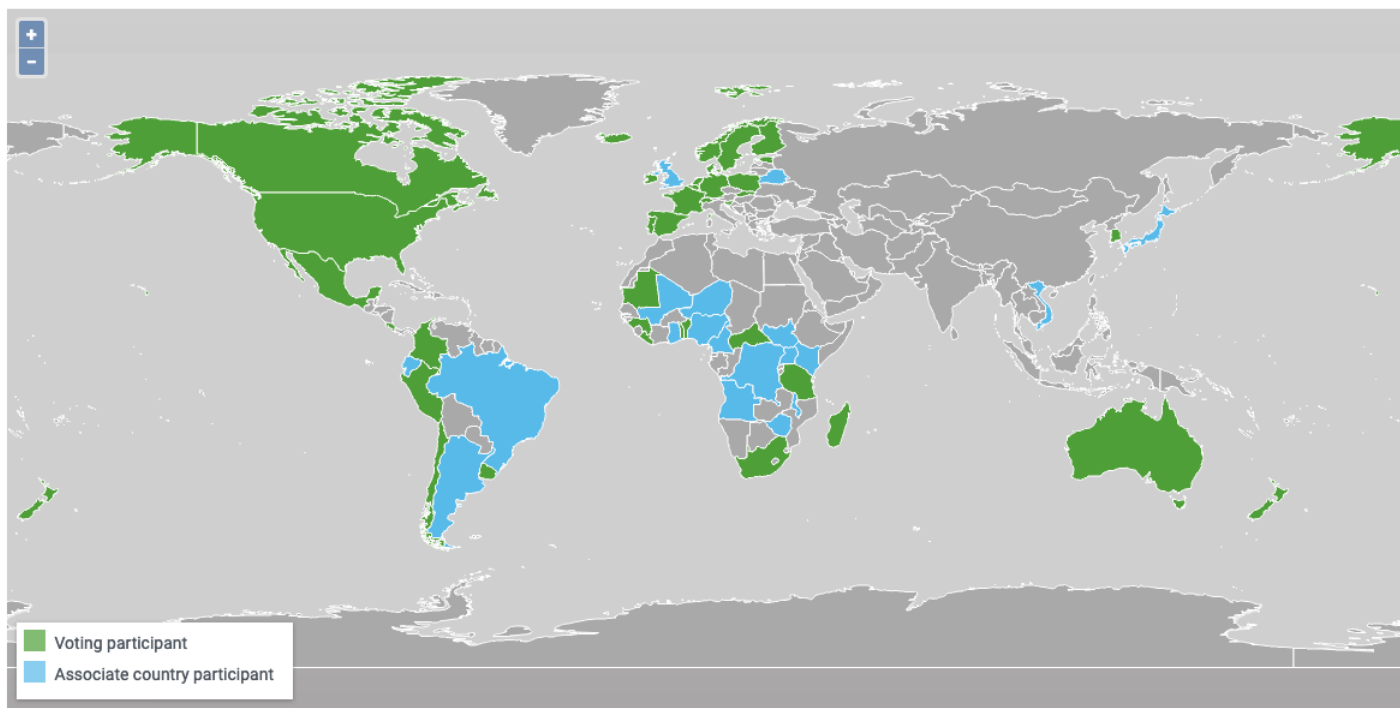

Institutional (funding from institutional budgets, grants):
- Digitization of collections
- Data management skills and IT capacity
- Data analysis, research applications, publication

GBIF PARTICIPANT NETWORK

27 September 2019

Voting participant
Associate country participant

40 VOTING PARTICIPANTS   19 ASSOCIATE COUNTRY PARTICIPANTS   39 OTHER ASSOCIATE PARTICIPANTS   1,494 PUBLISHERS
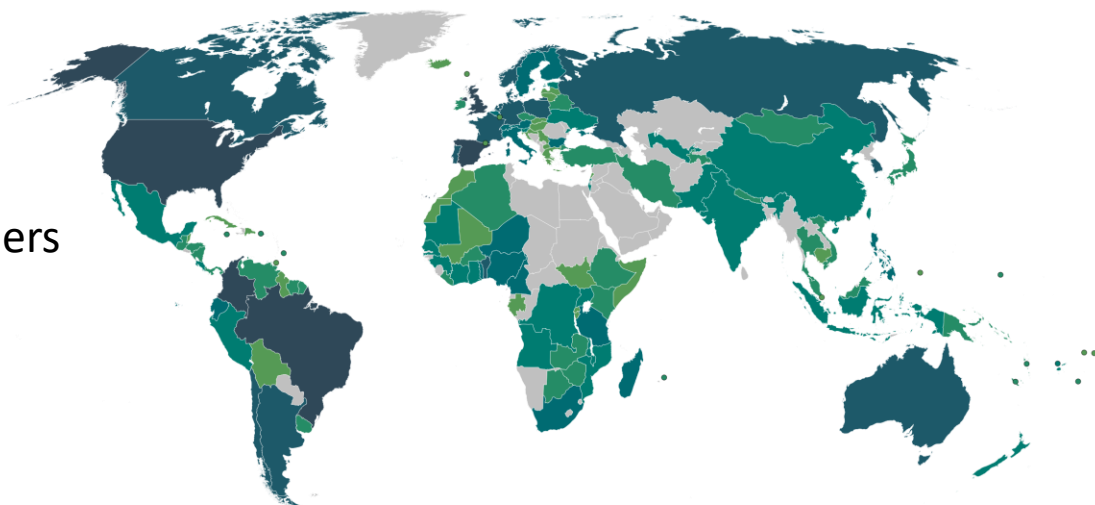
https://www.gbif.org/the-gbif-network

COUNTRIES WITH DATA PUBLISHERS

September 2013
562 publishers
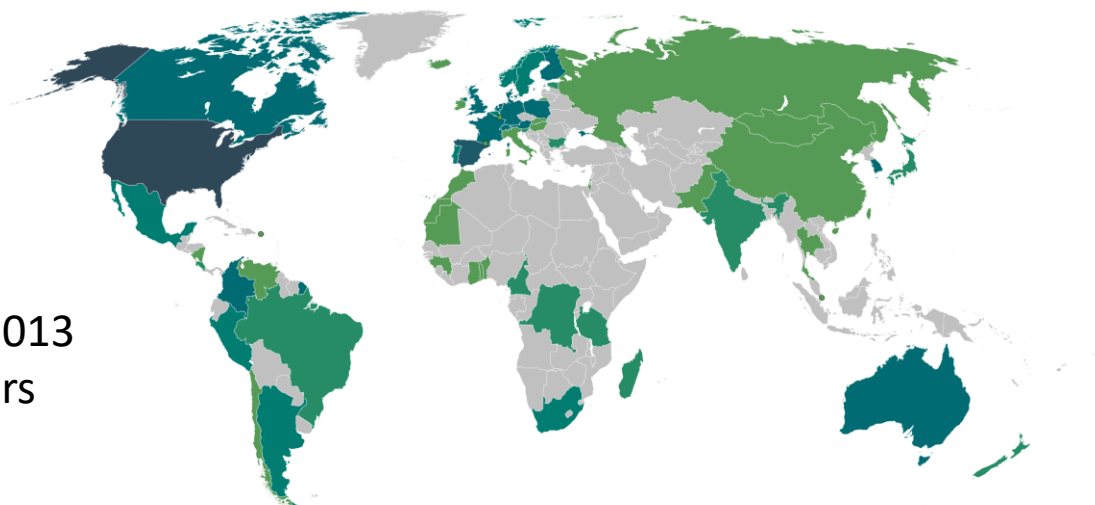
Today
1527 publishers

Publishers

- 100+
- 40-99
- 11-39
- 4-10
- 2-3
- 1

GBIF

GBIF

BY THE NUMBERS

Species occurrence records

1,357,475,357

Datasets

47,890

Country Participants

59

Organizational Participants

38

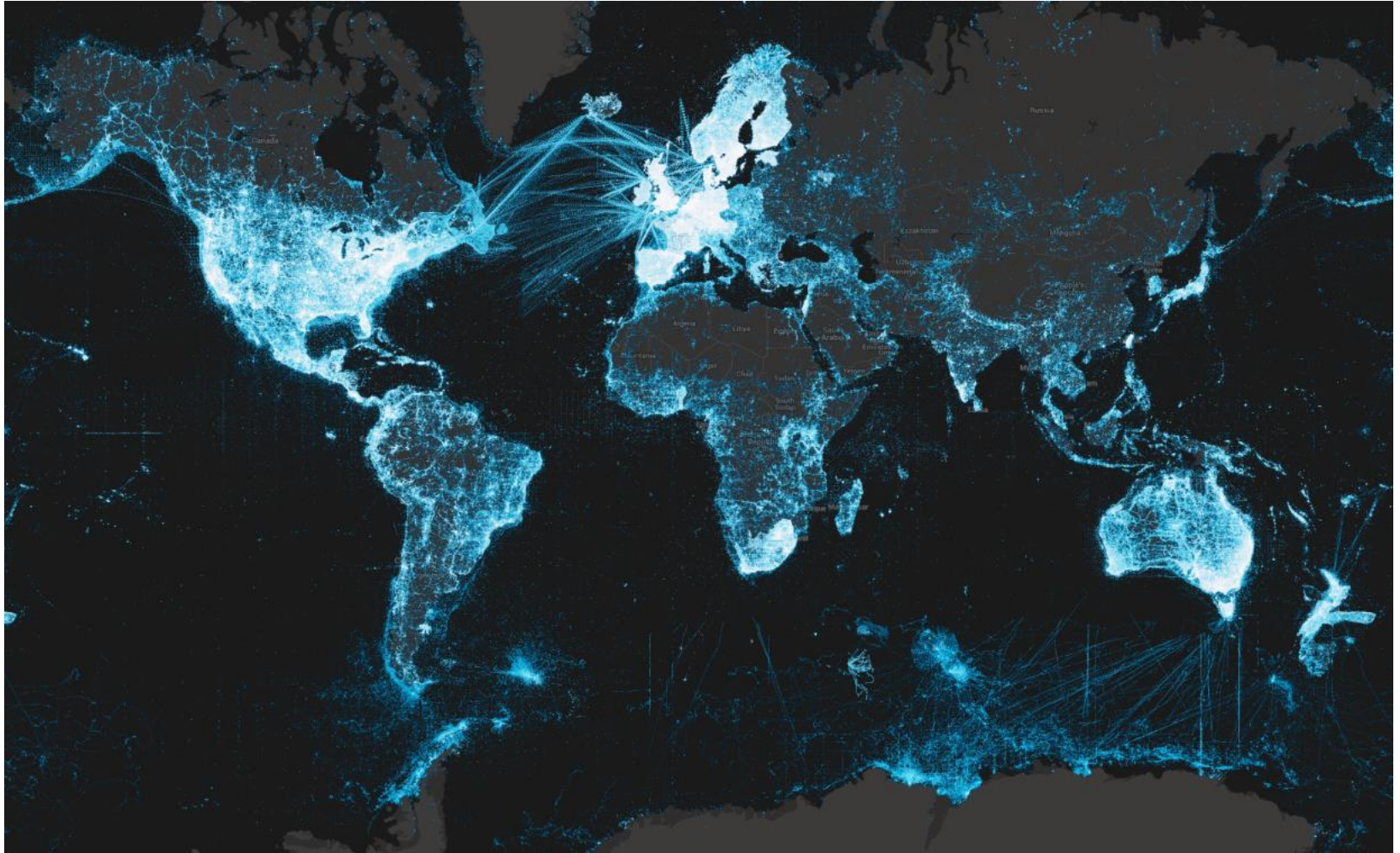Data publishing institutions

1,536

Average records served per month (Jan-Sept 2019)

186.3 billion

Avg monthly user sessions (Jan-Sept 2019)

190,772

ENABLING GBIF TO BE TRULY GLOBAL IN SCOPE

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."

GBIF

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 Pehuén or Monkey Puzzle tree (*Araucaria araucana*) by Sergio Miranda. Photo licensed under CC BY 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 da Lua, Angola*. By Paulo César Santos, via Wikimedia Commons. CC0 1.0.

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

📅 24 Jul 2017 - 31 Aug 2018   € 8,000

ABOUT   NEWS & EVENTS

bird-billed hummingbird (*Ensifera ensifera*) by Andrew Morffew. 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

Pasqueflower (*Pulsatilla vulgaris*) by Randi Hausken. Photo licensed under CC BY-NC-SA 2.0.

Engaging academia to unlock access to biodiversity data in southern Africa
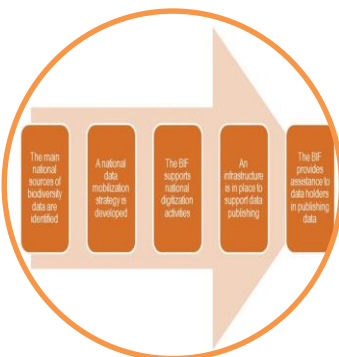
📅 1 Jul 2018 - 31 May 2019   € 10,462

ABOUT

Bird of paradise flower (*Strelitzia reginae*) taken at the Kirstenbosch Botanical Garden, South Africa. Photo by Maheva Bagard Laursen licensed under CC BY-SA 2.0

GBIF

Capacity self-assessments

Core capacity enhancement programme

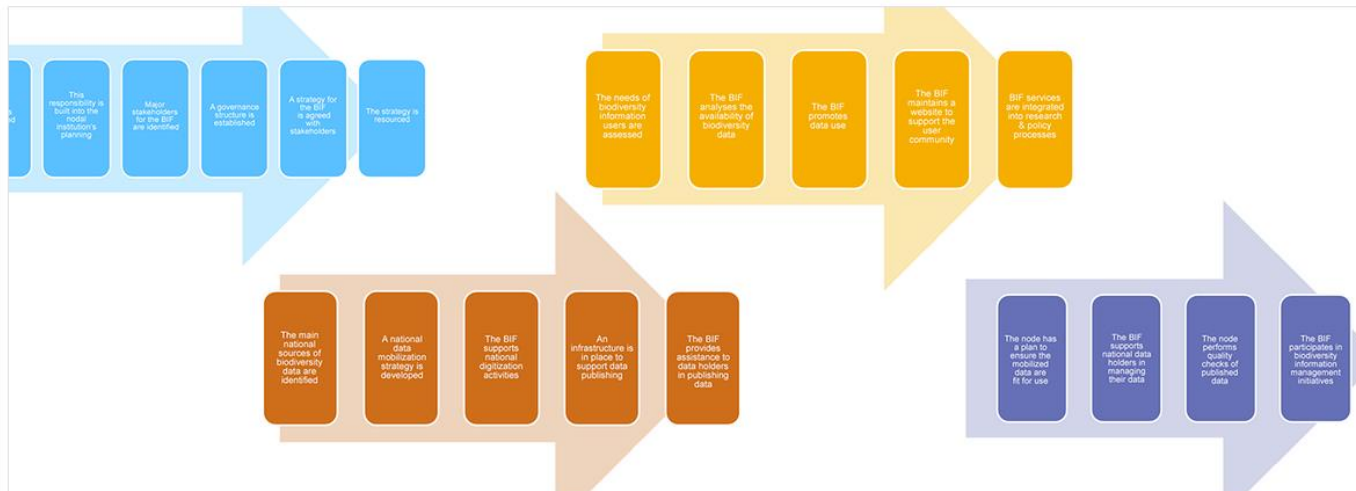Supplementary funded programmes
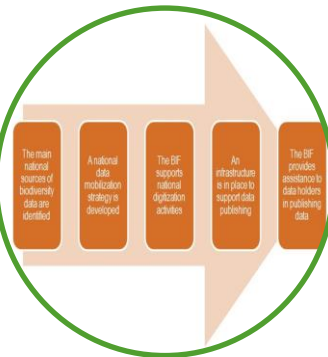
Capacity enhancement workshops

Community of practice

Capacity self-assessments

Core capacity enhancement programme

Supplementary funded programmes

Capacity enhancement workshops

Community of practice

GBIF

CAPACITY SELF-ASSESSMENT IN PLANNING, MONITORING & EVALUATION

Capacity self-assessments

Core capacity enhancement programme

Supplementary funded programmes

Capacity enhancement workshops

Community of practice

GBIF CAPACITY ENHANCMENT SUPPORT PROGRAMME

Mentoring activities

Support for regional events

Promotion of data use

Documentation

GBIF advocacy actions

Capacity self-assessments

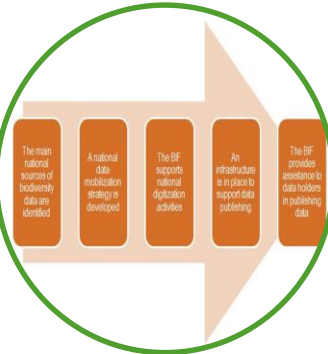Core capacity enhancement programme

Supplementary funded programmes

Capacity enhancement workshops

Community of practice

GBIF

Capacity self-assessments

Core capacity enhancement programme

Supplementary funded programmes
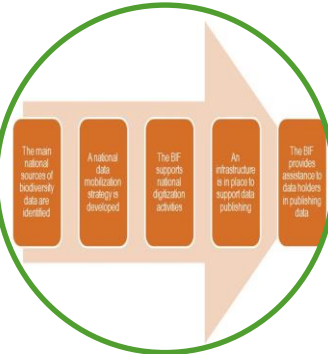
Capacity enhancement workshops

Community of practice

GBIF COMMUNITY DEVELOPED CURRICULUM

- Biodiversity data mobilization

- Biodiversity data use

- Establishing a GBIF Participant node

- Node management

Capacity self-assessments

Core capacity enhancement programme

Supplementary funded programmes

Capacity enhancement workshops

Community of practice

GBIF

THANK YOU VERY MUCH!

jmiller@gbif.org

GBIF