iDigBio

Integrated Digitized Biocollections

iDigBio is funded by a grant from the National Science Foundation's Advancing Digitization of Biodiversity Collections Program (Cooperative Agreement EF-1115210). Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation. All images used with permission or are free from copyright.

iDigBio and the Future of International Digital Data Aggregation

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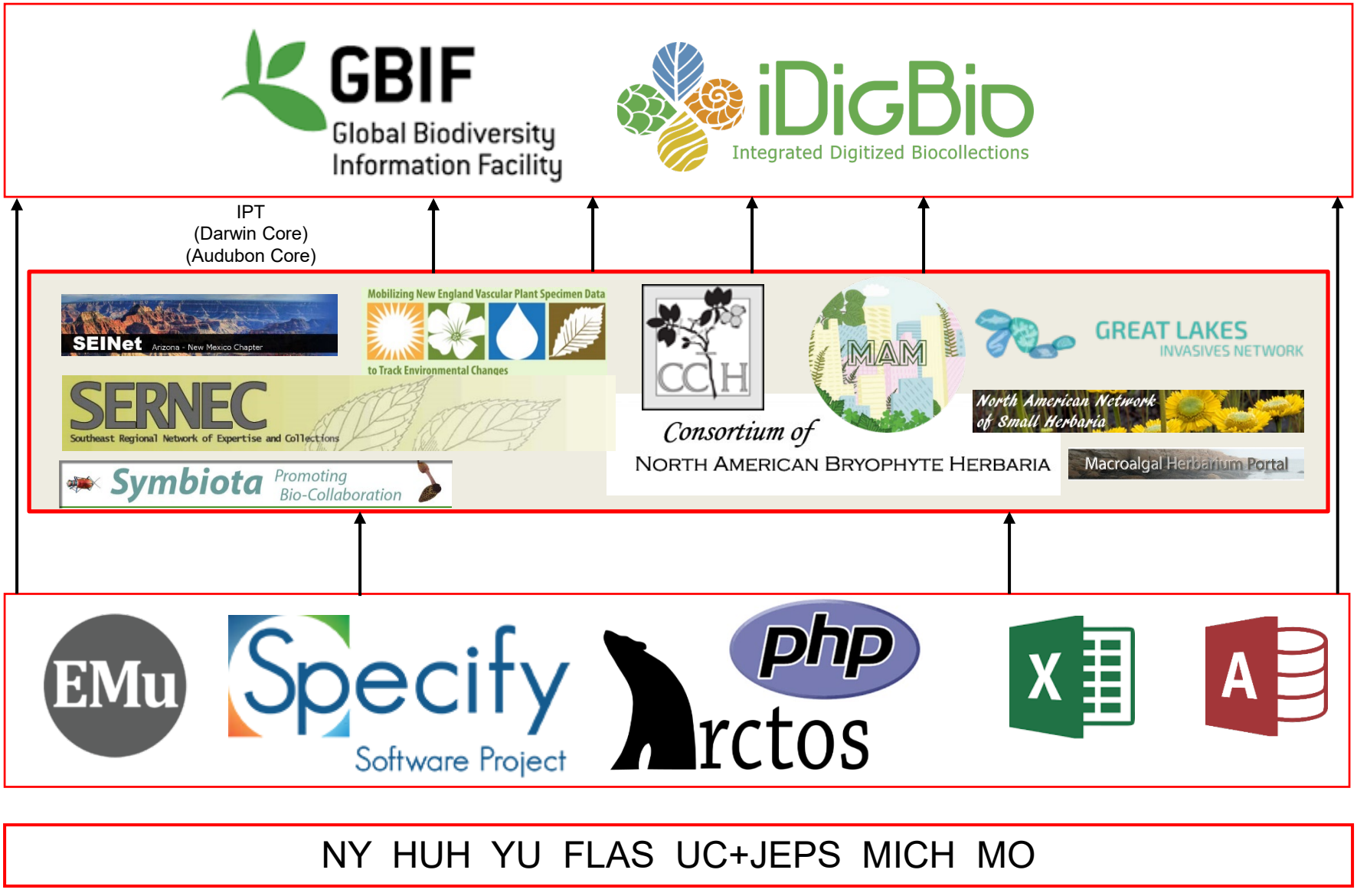
iDigBio

- The ADBC initiative now includes ~925 biodiversity collections representing ~320 institutions.
- The iDigBio portal currently serves ~122 million object records representing 300-400 million specimens and ~32 million associated media files.
- These data derive from ~1616 datasets provided by more than 75 distinct data publishers.
- Dataset sources range across the U.S., Mexico, Brazil, Canada, Australia, South Africa, and several European Nations, with the largest number of recordsets representing the U.S. (776), Mexico (416), and Brazil (159).
- Of the 13 countries contributing specimen records to the iDigBio portal, nine are also contributing associated media files.

U.S. Data Silos: An Evolving Hierarchy



U.S. Data Silos: An Evolving Hierarchy

Addressing Global Silos

Representatives met in Copenhagen 27 July 2018 following GBIC2

Unique and Common Expertise

GBIF

- global leader in biodiversity data aggregation and mobilization
- worldwide organization and network with ability to reach developing nations
- supports a talented core of development professionals

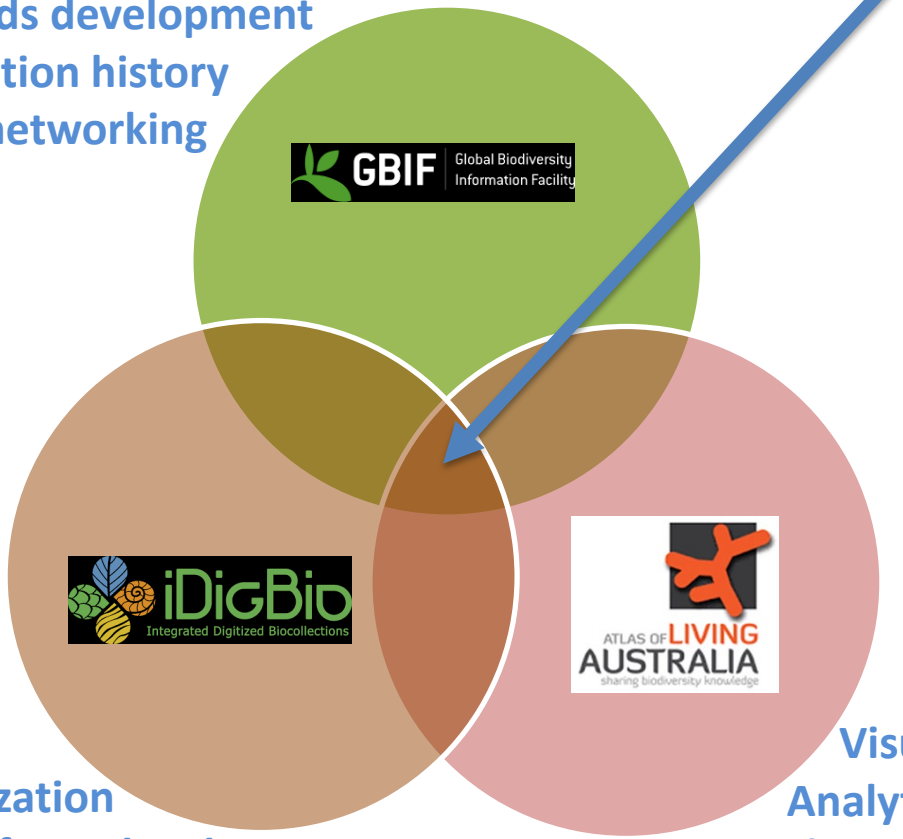
ALA

- provides analytical and visualization tools for biodiversity research
- global collaborator and regional repository of biodiversity data mobilization efforts
- supports a talented core of development professionals

iDigBio

- USA leader in biodiversity specimen data mobilization and visualization
- expertise in digitization, community development, and workforce training
- supports a talented core of development professionals

Global Biodiversity Data Alliance: An Initial Step



Standards development
Aggregation history
Global networking

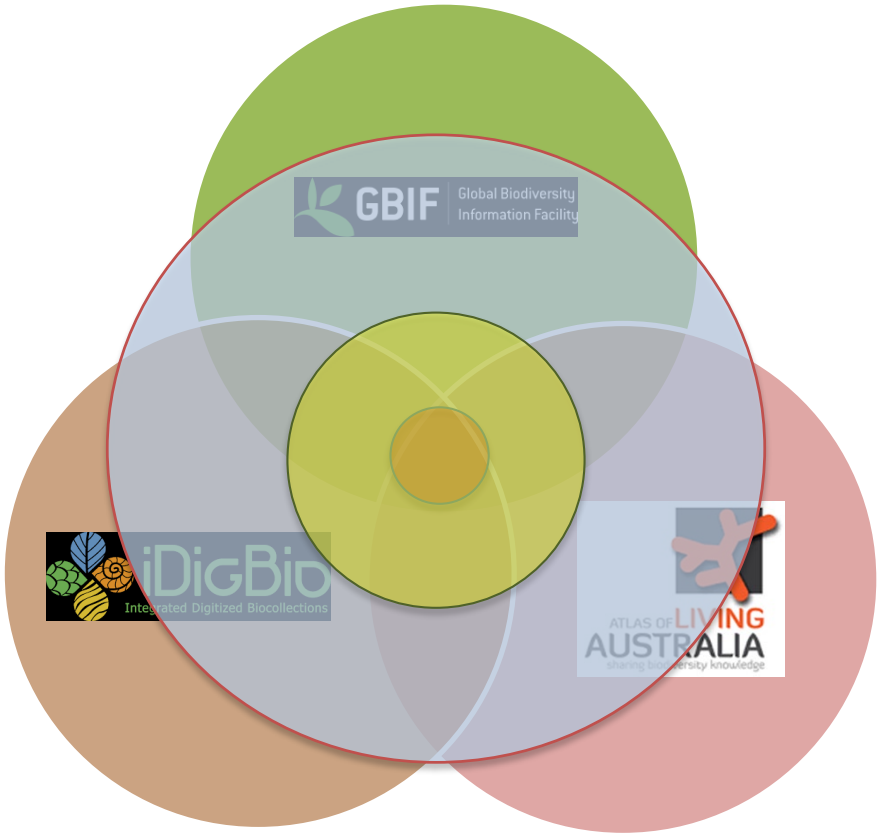
Digitization
Workforce development
Community building

Visualization
Analytical tools
National/regional focus

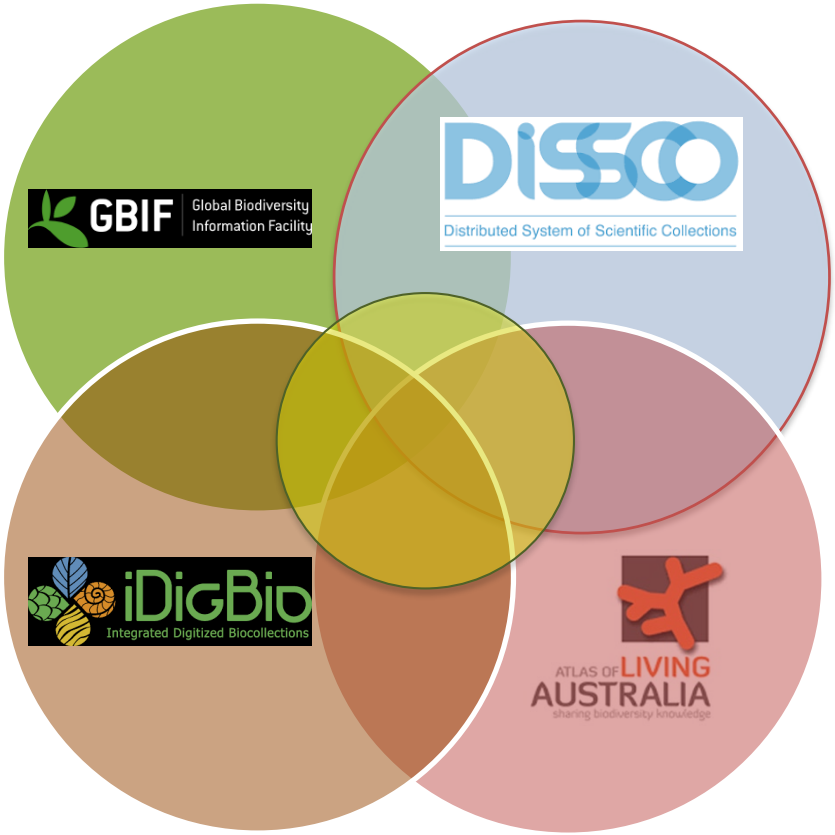
Integrated practices

- Identifier synchronization
- Data quality integration
- API integration
- Tool development
- Data integration
- Data ingestion alignment
- Collections catalog maintenance
- Citation/attribution protocols
- Workforce training
- Digitization practices

Evolving Initiative

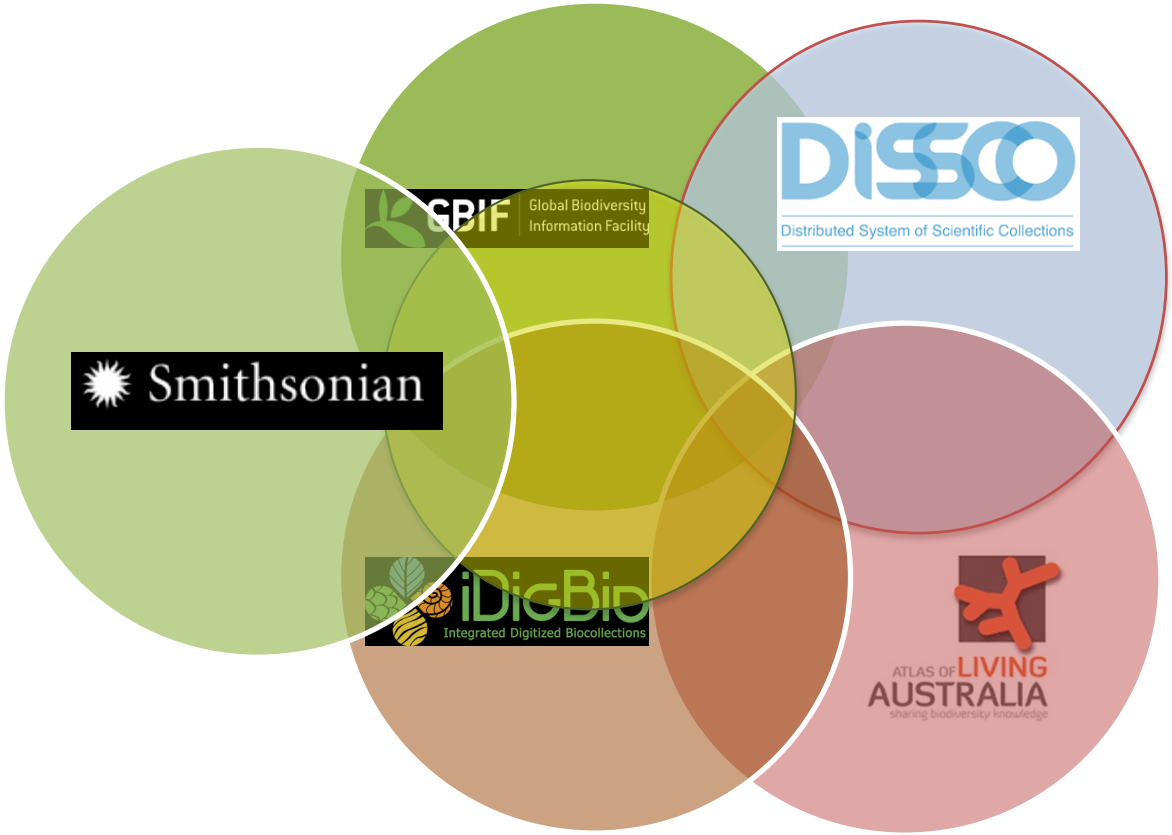


AND THEN THERE WERE FOUR



Collections Data Infrastructures Working Group (CDIWG)

THEN …. FIVE



Collections Data Infrastructures Working Group (CDIWG)

Accelerating Research through International Network-to-Network Collaborations (AccelNet)

PROGRAM SOLICITATION
NSF 19-501

National Science Foundation

Office of International Science and Engineering

Directorate for Biological Sciences

Directorate for Computer & Information Science & Engineering

Directorate for Education & Human Resources

Directorate for Engineering

Directorate for Geosciences

Directorate for Mathematical & Physical Sciences

Directorate for Social, Behavioral & Economic Sciences

Office of Integrative Activities

Letter of Intent Due Date(s) ***(required)*** (due by 5 p.m. submitter's local time):

December 21, 2018

FY 2019 Competition

October 30, 2019

FY 2020 Competition

Full Proposal Deadline(s) (due by 5 p.m. submitter's local time):

February 28, 2019

FY 2019 Competition

January 31, 2020

FY 2020 Competition

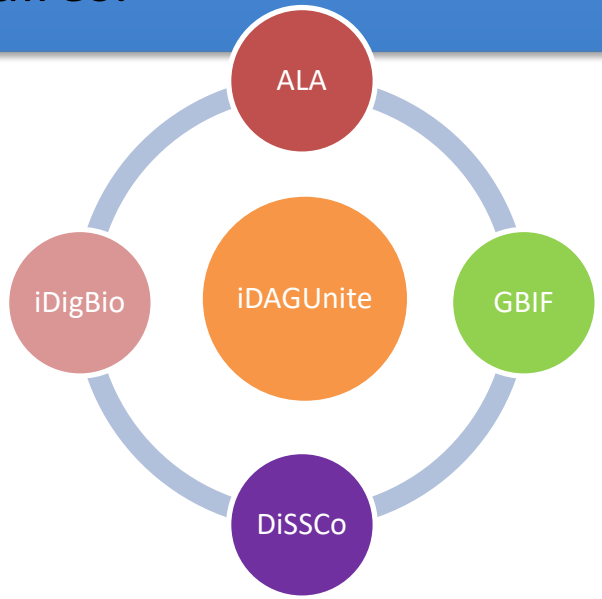
ACCELNET PRODUCTS

1) well-developed and complete set of bylaws,
2) strategic plan for the 3-year development project as well as implementation of the NoN,
3) an implementation timeline to guide NoN execution following the development project,
4) comprehensive NoN framework document for operationalizing the NoN,
5) a comprehensive sustainability plan that outlines plans for sustaining the NoN once implemented and operational.

Ultimate Goal

Collaborative Merging of Services around a Specific Goal

Engaging within the Global Alliance for Biodiversity Knowledge conceived at GBIC2 to create a (virtual) single source store for biodiversity data that marshals the unique and common strengths of it partners, is replicated globally, and supports the views and access choices each partner/portal requires.



THANKS!