



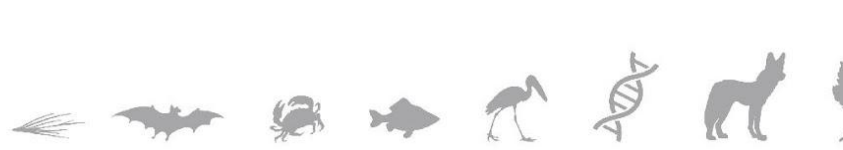
IGBIO ORIENTATION WEBINAR SERIES

Ongoing iDigBio collaborations and events

Jill Goodwin, Conference Manager

Libby Ellwood, Global Communications Manager

October 20, 2021



iDigBio Events

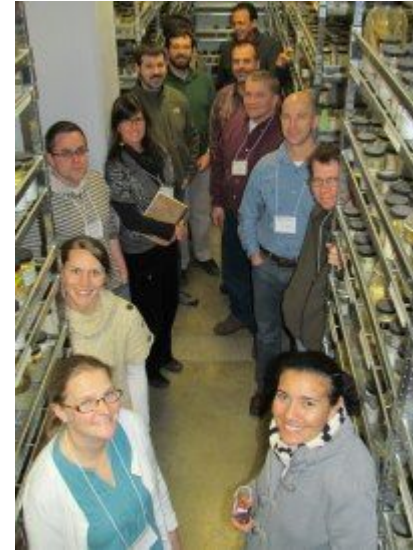
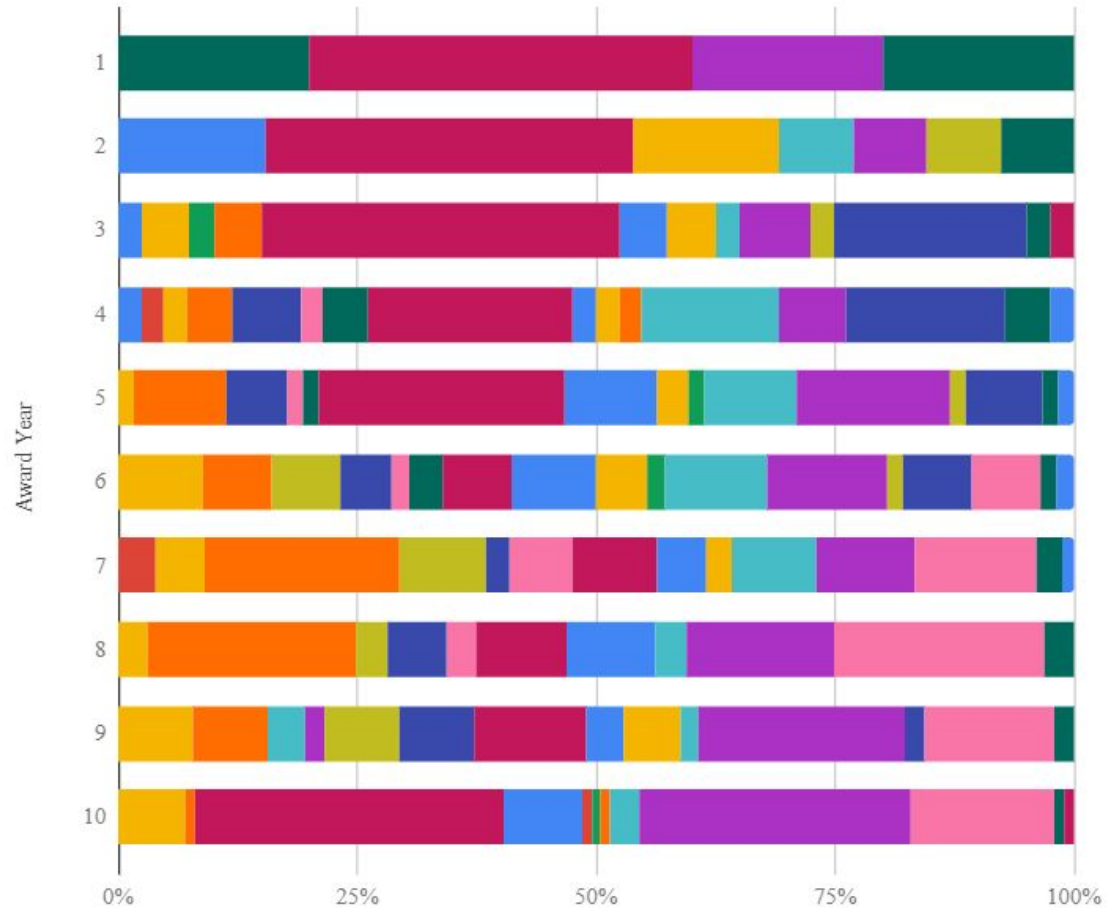
- Workshops
- Webinars
- Symposia
- Conferences





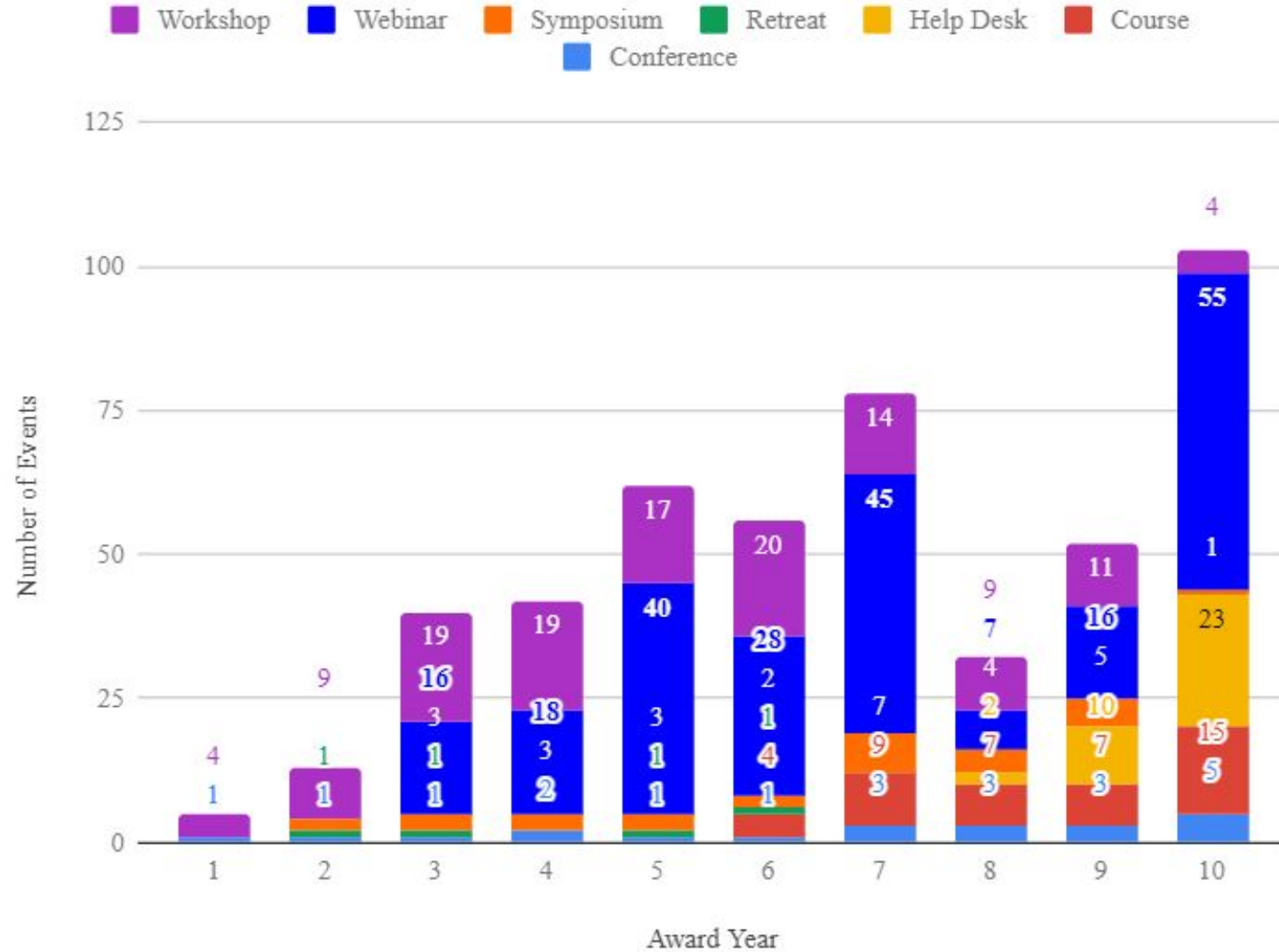
iDigBio Events by Main Theme

- aOCR ■ Biodiversity Heritage Library ■ Broadening Participation ■ Broader Impacts
- Collections Management ■ Communication ■ Coordination ■ Darwin Core
- Data Management ■ Data Quality ■ Data Standards ■ Digitization ■ Education
- Extended Specimen ■ Georeferencing ■ Outreach ■ Project Management
- Public Participation ■ Research Use ■ Retreat ■ Small Collections ■ Strategic Planning
- Summit ■ Sustainability ■ The Carpentries



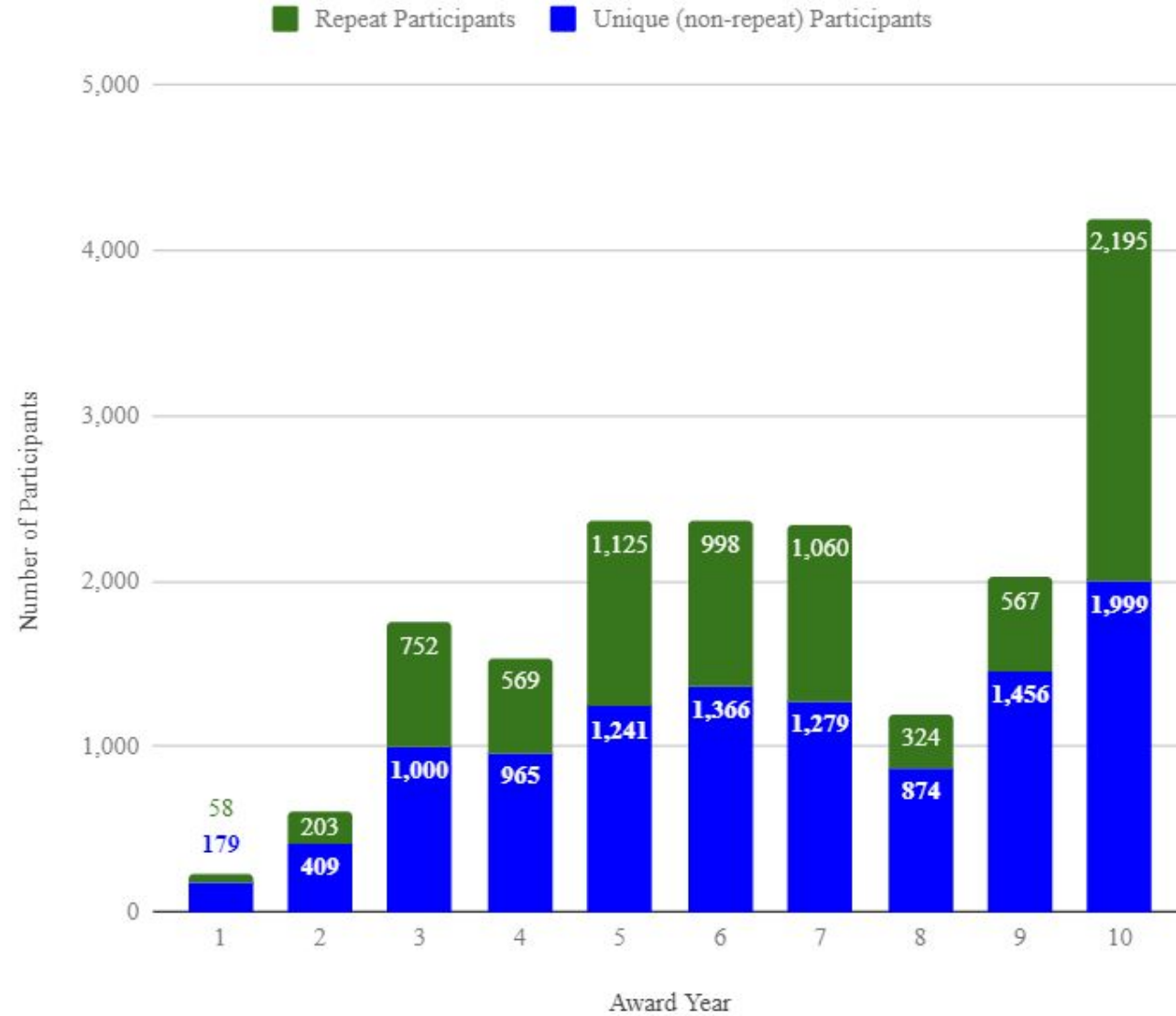


iDigBio Events by Type





Participants in iDigBio Events



iDigBio Summit





Digital Data in Biodiversity Research Conference



DIGITAL DATA CONFERENCE | JUNE 7-9

“DIGITAL DATA'S GRAND CHALLENGE: EXPANDING DISCOVERY ACROSS MULTIPLE DOMAINS.”

ONLINE (HOSTED BY THE FLORIDA MUSEUM OF NATURAL HISTORY)

<https://bit.ly/2Hx4Ogl>

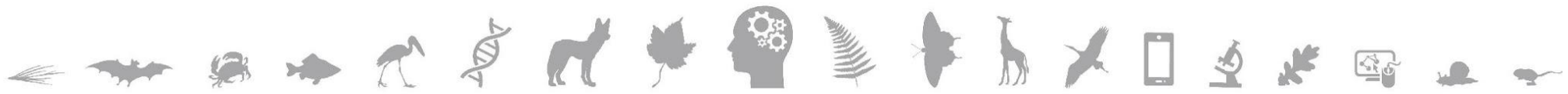
- 2017 (Michigan) - 188 participants
- 2018 (Berkeley) - 241 participants
- 2019 (Yale) - 197 participants
- 2020 (Indiana) - 595 participants
- 2021 (FLMNH) - 439 participants



Digital Data in Biodiversity Research Conference

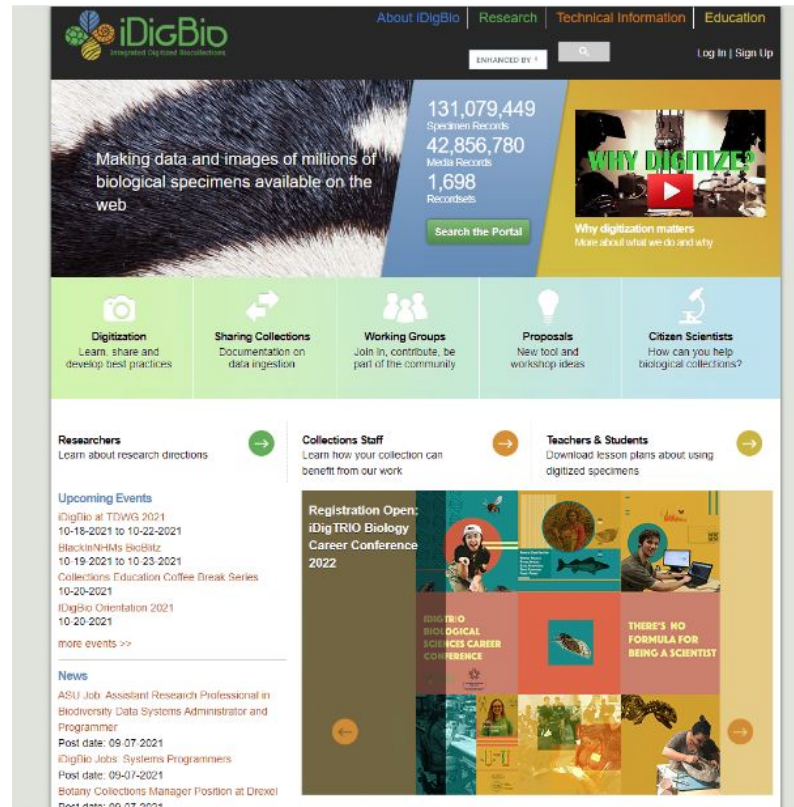


Hybrid! June 2022
Field Museum
Chicago, IL



Workshop Resources

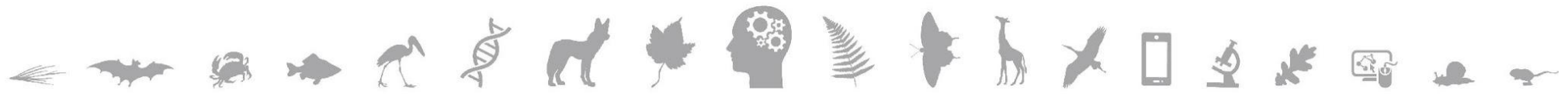
Website
Newsletter
Wiki



The screenshot shows the iDigBio website homepage. At the top, there is a navigation bar with links for 'About iDigBio', 'Research', 'Technical Information', and 'Education'. Below the navigation bar, a large banner features a close-up image of a donkey's face and text stating 'Making data and images of millions of biological specimens available on the web'. To the right of the banner, statistics are displayed: 131,079,449 Specimen Records, 42,856,780 Media Records, and 1,698 Recordsets. A 'Search the Portal' button is located below these statistics. A 'WHY DIGITIZE?' video player is also visible. Below the banner, there are five main navigation buttons: 'Digitization', 'Sharing Collections', 'Working Groups', 'Proposals', and 'Citizen Scientists'. At the bottom, there are sections for 'Upcoming Events' (listing events like iDigBio at TDWG 2021 and BlackinMinds bioBitz) and 'News' (listing job openings for ASU and iDigBio).



The newsletter page features a header with the title 'The iDigBio Spotlight May 2021' and a background image of pink flowers. Below the header, there is a section for 'Summit Update' with a circular graphic for 'Biodiversity Digitization 2021 Celebrating a decade of progress'. The text in this section discusses the 10th Anniversary ADBC Summit scheduled for September 21st. Below the summit update, there are three featured articles: 'Digital Data 2021' (registration open for the 5th annual conference), 'ZooMu Workshop' (workshop on linking biological collections), and 'Coming Soon: Digitization Training Courses' (announcement of new training courses).



Interested in starting a workshop?
Joining a future event?
Reach out to us!

Jill Goodwin

jgoodwin@floridamuseum.ufl.edu

Thank you!





Digital Biodiversity Data Global Alignment and Collaboration

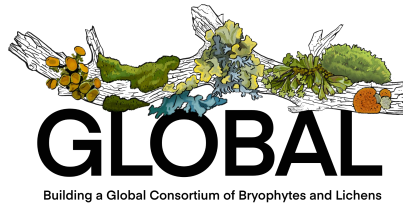
Libby Ellwood, Gil Nelson, José Fortes, Doug Jones

University of Florida, Gainesville, Florida USA





ALL
ASIA



INDIVIDUAL COLLECTIONS



Atlas of Living Australia
ala.org.au



Nature
Korea Biodiversity Information System



CONABIO
COMISIÓN NACIONAL PARA EL CONOCIMIENTO Y USO DE LA BIODIVERSIDAD



NSII
National Specimen Information Infrastructure



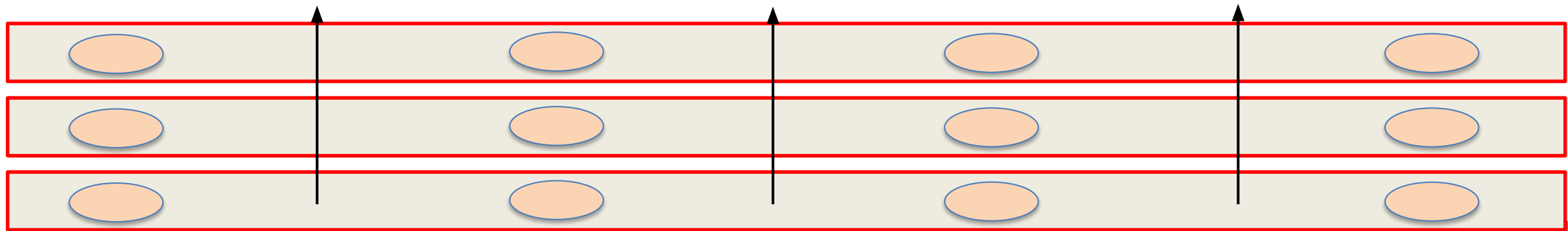
CRIA

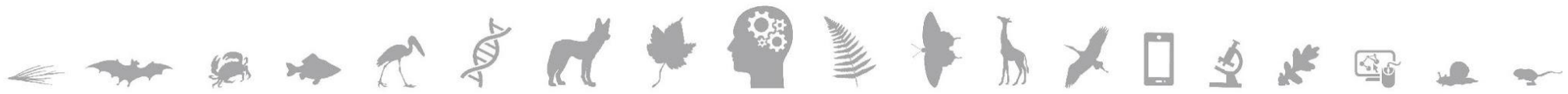


DiSSCO
Distributed System of Scientific Collections



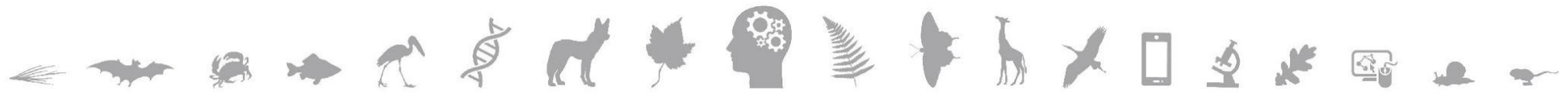
SANBI
Biodiversity for Life
South African National Biodiversity Institute





Parallel initiatives have formed around the world (e.g., ALA in Australia, DiSSCo in Europe, CRIA in Brazil, NSII in China)

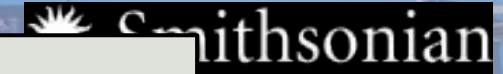
Over time, a global network of siloed data infrastructures has developed



Representatives met in Copenhagen
July 2018 following Global Biodiversity
Informatics Conference 2



**Representatives
met in Leiden
October 2019
at Biodiversity Next**



Now the
Collections Database
Infrastructures
Working Group (CDIWG)

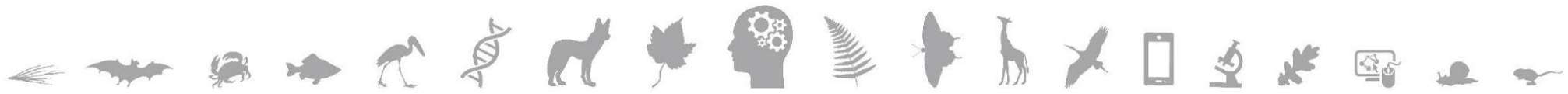


**Representatives
met in Leiden
October 2019
at Biodiversity Next**



Global Biodiversity Information Facility (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

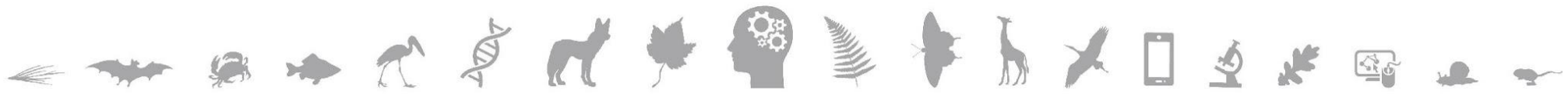


Global Biodiversity Information Facility (GBIF)

- 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

Atlas of Living Australia (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



Global Biodiversity Information Facility (GBIF)

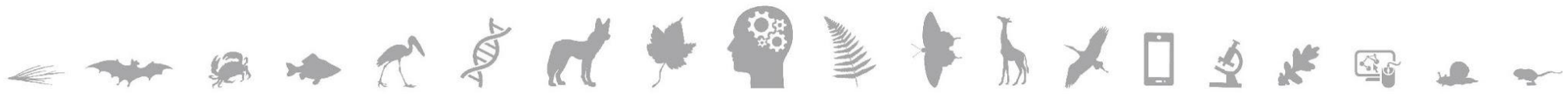
- global leader in biodiversity data aggregation and mobilization
- worldwide organization and network with ability to reach developing nations
- supports a talented core of development professionals

Atlas of Living Australia (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

Integrated Digitized Biocollections (iDigBio)

- US 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 Information Facility (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

Atlas of Living Australia (ALA)

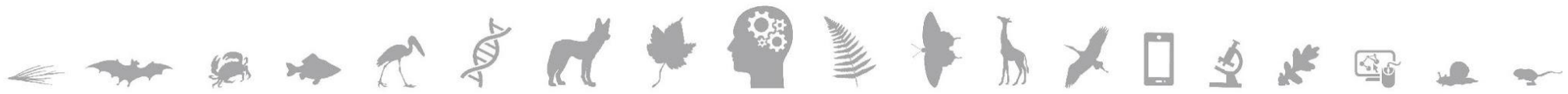
- provides analytical and visualization tools for biodiversity research
- global collaborator and regional repository of biodiversity data mobilization efforts
- supports a talented core of development professionals

Integrated Digitized Biocollections (iDigBio)

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

Distributed System of Scientific Collections (DiSSCo)

- create a Research Infrastructure for natural science collections, including natural history museums, botanical gardens and collection-holding universities
- unify collections in 119 institutions from 21 European countries
- focus on ensuring that data are FAIR: Findable, Accessible, Interoperable and Reusable



Global Biodiversity Information Facility (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

Atlas of Living Australia (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

Integrated Digitized Biocollections (iDigBio)

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

Distributed System of Scientific Collections (DiSSCo)

- create a Research Infrastructure for natural science collections, including natural history museums, botanical gardens and collection-holding universities
- unify collections in 119 institutions from 21 European countries
- focus on ensuring that data are FAIR: Findable, Accessible, Interoperable and Reusable

Smithsonian NMNH

- unique digitization challenges with collections representing 155 million objects including specimens, volumes and archives
- innovative methods for mass digitization, 3D digitization, and machine learning
- partnerships that support ongoing activities



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




Syllid worm, accessed from iDigBio



Working towards a Network of Networks (NoN)

- Develop social and technological aspects of NoN through
 - well-developed bylaws,
 - strategic plan and plan for implementation of NoN,
 - an implementation timeline to guide NoN execution,
 - framework document for operationalizing the NoN,
 - a comprehensive sustainability plan



Smithsonian



DISCO
Distributed System of Scientific Collections



iDigBio
Integrated Digitized Biocollections



GBIF Global Biodiversity Information Facility

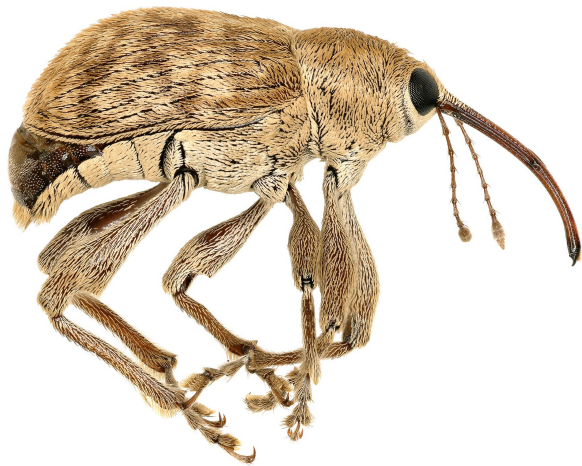


ATLAS OF LIVING AUSTRALIA
sharing biodiversity knowledge



Collaborative Merging of Services around a Specific Goal

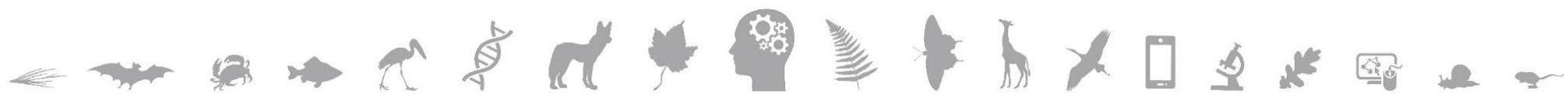
Create a (virtual) single source store for biodiversity data that marshals the unique and common strengths of its partners, is replicated globally, and supports the views and access choices each partner/portal requires.



Acorn weevil (*Curculio occidentis*)



Snakefly (genus *Agulla*)



Digital Extended Specimens

Digital specimens (Europe)
+
Extended specimens (US)
=
Digital Extended Specimens





Libby Ellwood

eellwood@floridamuseum.ufl.edu



www.idigbio.org



facebook.com/iDigBio



twitter.com/iDigBio



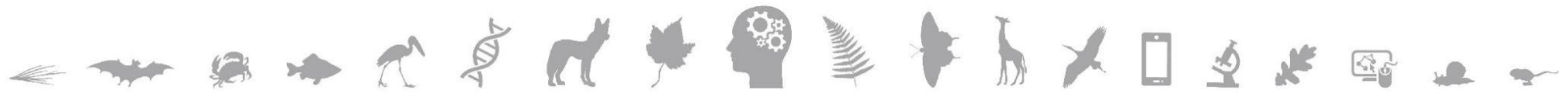
vimeo.com/idigbio



idigbio.org/rss-feed.xml



webcal://www.idigbio.org/events-calendar/export.ics



Webinar Series Survey:

https://ufl.qualtrics.com/jfe/form/SV_1ApxnO3ZMO7ms2G