



# Overview of iDigBio Resources

Website, Portal, Wiki

Workshops, Working Groups, Listservs,  
TCNs

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TORCH VIII + iDigBio Digitization Workshop

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# Overview

- Organizational View
    - Website
    - Portal
    - Wiki
- 
- Workshops, Webinars, **Co-located Events**
    - Upcoming, **Your Input**
  - Working Groups
  - Listservs
  - TCNs

# Website – Portal - Wiki

www.idigbio.org



The screenshot shows the iDigBio website homepage. At the top left is the iDigBio logo with the tagline 'Integrated Digitized Biocollections'. The navigation bar includes 'About iDigBio', 'Portal', 'Technical Information', and 'Education'. A search bar with 'Google™ Custom Search' and a 'Search' button is present, along with 'Log In | Sign Up' links. The main banner features a large image of biological specimens with the text 'Making data and images of millions of biological specimens available on the web'. To the right of the banner, statistics are listed: 15,324,063 Specimen Records, 2,342,880 Media Records, and 255 Recordsets. A 'Search the Portal' button is below these statistics. A video player with a play button is shown, with the text 'Why digitization matters More about what we do and why'. Below the banner is a row of five service tiles: 'Digitization' (Learn, share and develop best practices), 'Sharing Collections' (Documentation on data ingestion), 'Working Groups' (Join in, contribute, be part of the community), 'Proposals' (New tool and workshop ideas), and 'Citizen Scientists' (How can you help biological collections?). Below this is a row of three user groups: 'Researchers' (Learn about research directions), 'Collections Staff' (Learn how your collection can benefit from our work), and 'Teachers & Students' (Download lesson plans about using digitized specimens). The bottom section features 'Upcoming Events' with details for 'Specify for Paleo Collections Workshop' (05-19-2014 to 05-23-2014), 'WEBINAR: The Future of Funding for Small Collections' (05-19-2014), 'TORCH - iDigBio Digitization Workshop' (05-24-2014), and 'WEBINAR: Large Collections Supporting Small Collections'. A 'BIOSPEX' logo is also present, with the tagline 'Lead Public Digitization Expeditions' and the text 'Use BIOSPEX to provision, advertise, and lead public Biodiversity Specimen Digitization Expeditions'.



# Upcoming iDigBio Workshops, Symposiums, Webinars, ...

Opportunities

TORCH - iDigBio Digitization Workshop	Sul Ross State University (Alpine, Texas)	06-24-2014
WEBINAR: Large Collections Supporting Small Collections	<a href="https://idigbio.adobeconnect.com/scnet">https://idigbio.adobeconnect.com/scnet</a>	06-02-2014
Georeferencing Natural History Specimen Data Workshop	Renaissance Oklahoma City Convention Center Hotel and Cox Convention Center (Oklahoma City, Oklahoma)	06-06-2014 to 06-10-2014
WEBINAR: AIM-UP!: Advancing Integration of Museums into Undergraduate Programs	<a href="https://idigbio.adobeconnect.com/scnet">https://idigbio.adobeconnect.com/scnet</a>	06-09-2014
iDigBio Steering Committee & Executive Committee Meeting	UF Building 105, Room 310 (Gainesville, Florida)	06-12-2014
SPNHC 2014, Cardiff, Wales	Cardiff Millennium Centre (Cardiff, Wales, UK)	06-22-2014 to 06-27-2014
Recruiting, Retaining, and Supporting Small Collections in Biodiversity Digitization Initiatives	Cardiff Millennium Centre (Cardiff, Wales, UK)	06-25-2014
Managing Archives, Special Collections and Original Source Documentation in Natural History Collections: Challenges and Opportunities.	Cardiff Millennium Centre (Cardiff, Wales, UK)	06-25-2014
Update on Initiatives and Progress in Digitization of Natural History Collections	Cardiff Millennium Centre (Cardiff, Wales, UK)	06-25-2014
SPNHC 2014 DemoCamp	Cardiff Millennium Centre (Cardiff, Wales, UK)	06-26-2014
SPNHC 2014 Special Interest Group Session: Collections Digitization and Opportunities for International Collaboration	Amgueddfa Cymru – National Museum Wales (Cardiff, Wales, UK)	06-27-2014
iDigBio Retreat II	Learning Center at the Austin Cary Forest (10625 NE Waldo Rd, Gainesville, FL 32609) (Gainesville, Florida)	06-30-2014
iDigBio End-of-the-Fiscal-Year Party	Tall Paul's (10 SE 2nd Ave) (Gainesville, Florida)	06-30-2014
iDigBio Steering Committee & Executive Committee Meeting	UF Building 105, Room 310 (Gainesville, Florida)	07-10-2014
Botany 2014 - New Frontiers in Botany	Boise Centre (Boise, Idaho)	07-26-2014 to 07-30-2014
Georeferencing Natural History Collections: A Crash Course in Translating Locality Data into Geographic Coordinates	Boise Centre (Boise, Idaho)	07-27-2014
Digitized natural history collections records in traditional research, collaborative research, and big data research	Boise Centre (Boise, Idaho)	07-29-2014
Botanical DNA Banking and the Systematics Community: Working Together to Meet Future Research Challenges	Boise Center (Boise, Idaho)	07-29-2014

<https://www.idigbio.org/outreach-events-sidebar>



# Website – Portal - Wiki

portal.idigbio.org

Your data here

The screenshot shows the iDigBio Specimen Portal website. At the top is the iDigBio logo with the tagline "Integrated Digitized Biocollections". Below the logo is a navigation menu with links for "iDigBio Home", "Portal Home", "Search Records", "Tutorial", "Publishers", and "Feedback".

The main content area is titled "iDigBio Specimen Portal". It includes a search bar with the placeholder text "Scientific Name" and a "Search" button. Below the search bar, there are two pie charts showing the distribution of records by collection type. The first chart, "Specimen Records by Collection Type", shows the following data:

Collection Type	Percentage
Other	35.54 %
Non-arthropod invertebrates	4.64 %
Arthropods	12.10 %
Plants	27.69 %
Vertebrates	8.75 %
Fossils	0.79 %
Fungi	10.49 %


The second chart, "Media Records by Collection Type", shows the following data:

Collection Type	Percentage
Other	17.20 %
Non-arthropod invertebrates	0.05 %
Arthropods	2.96 %
Plants	68.49 %
Fungi	11.30 %

To the right of the charts is a green vertical bar displaying the total number of records:

- 15,324,063 Specimen Records
- 2,342,880 Media Records
- 255 Recordsets

# Portal

About iDigBio | Portal | Technical Information | EducationLog In | Sign Up

iDigBio Home Portal Home Search Records Tutorial Publishers Feedback

## → Search Records

Full Text Search

only records with images [Hide Advanced Search](#)

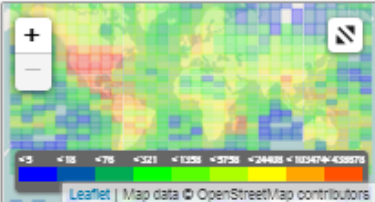
### Current Results

Query: Match all. Sort by Scientif ▼

Records: 15,324,063

Approx. Download Time: 2hrs 58mins 46secs

Email: Enter Email to Download



### Advanced Search

Family

Present  Missing

Scientific Name

Present  Missing

Genus

Present  Missing

Country

Present  Missing

State/Province

Present  Missing

Add a field

please select ▼

Sort by

Scientific Name ▼

Direction

Ascending ▼

   
[Tips & Hints](#)

Table view Label viewSearch Matched 15,324,063 Records

Family	Scientific Name ▲	Genus	Country	State/Province
Percidae	Etheostoma gracile	Etheostoma	USA	
	"Ambocoelia" sp.	"Ambocoelia"	United States	New York
	"Ambocoelia" sp.	"Ambocoelia"	United States	New York
	"Belemnites" sp.	"Belemnites"		

iDigBio  
Integrated Digitized Biocollections

# Website – Portal - Wiki

Here are some links to get you started:

[www.idigbio.org/wiki](http://www.idigbio.org/wiki)



Page [Discussion](#) [Read](#) [View source](#) [View history](#)

## Digitization Resources

This page provides resources and information for the series of digitization training workshops being conducted by iDigBio as well as a plethora of digitization information and resources. Included is a growing list of links to documents, websites, videos, presentations, and other important information related to biological collection digitization.

[Contents](#) [\[show\]](#)

### iDigBio Intro

- [Introduction to iDigBio Slide Set](#)
- [Intro to iDigBio pdf file](#)

### Interest/Working Groups

- [International Whole-Drawer Digitization Interest Group](#)
- [NANSH Working Group \(North American Network of Small Herbaria\)](#)
- [Fluid-preserved Arthropod and Microscopic Slide Imaging Interest Group](#)
- [Paleontology Digitization Working Group](#)
- [Small Collections Network Working Group](#)

### Digitization Workshop Wikis

- [Object To Image To Data Workshop Wiki, Gainesville \(May 2012\)](#)
- [Herbarium Workshop Wiki, VSU, Valdosta, GA \(Sept 2012\)](#)
- [Wet Collections Workshop Wiki \(4-6 March 2013\)](#)
- [Dried Insect Digitization Workshop Wiki \(23-26 April 2013\)](#)

- [Spanish Digitization Resources and Workshops](#)
- [TCNs and PENs \(Thematic Collections Networks\) and \(Partners to Existing Networks\)](#)

Digitization

Flat things

Quick Start



# Thematic Collection Networks (TCNs)

[About iDigBio](#)[Portal](#)[Technical Information](#)[Education](#)

Google™ Custom Search

Search

[Log In](#) | [Sign Up](#)

## New York Botanical Garden (NY)

[Home](#) >> [Crowd Sourcing Central](#) >> [Editor](#)

&lt; &lt;&lt; | 5 of 406 | &gt;&gt; &gt;

Occurrence Data

Collector?  Number?  Date?  Dupes?  Auto search

Associated Collectors?  Verbatim Date?

Exsiccati Title  Number

Scientific Name?   
Note: Full editing permissions are needed to edit an identification

Country  State/Province  County

Locality

Latitude  Longitude  Uncertainty?  Verbatim Coordinates  Tools

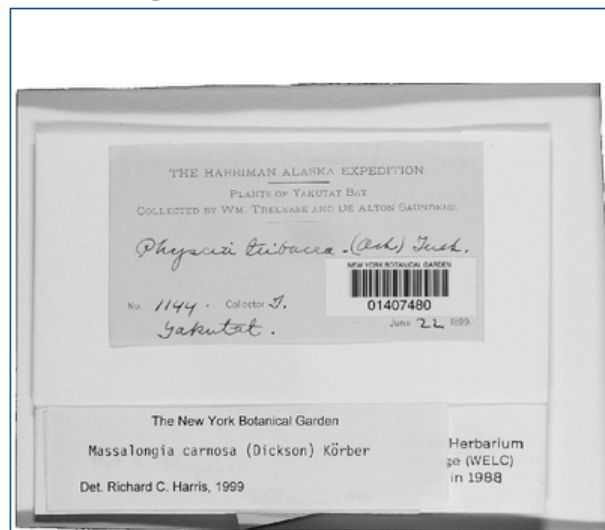
Elevation in Meters  -  Verbatim Elevation

Habitat

Substrate

Notes

### Label Processing



OCR Image

Options

- OCR whole image
- OCR w/ analysis

Image 1 of 1

THE HARRIMAN ALASKA EXPEDITION.  
Plants of Yakutat Bay Collected by Wm. Trelease  
and De Alton Saunders.  
(ft \L  
io. //yy - . Collector  
NEW YORK BOTANICAL GARDEN

To date: 10 TCNs, + PENS, 160+ participating institutions, 50 states





## Ten Thematic Collections Networks (TCNs) and 7 Partner to Existing Networks (PENs)

- **InvertNet**: An Integrative Platform for Research on Environmental Change, Species Discovery and Identification (Illinois Natural History Survey, University of Illinois) <http://invertnet.org>
- **Plants, Herbivores, and Parasitoids**: A Model System for the Study of Tri-Trophic Associations (American Museum of Natural History) <http://tcn.amnh.org>
- North American **Lichens** and **Bryophytes**: Sensitive Indicators of Environmental Quality and Change (University of Wisconsin – Madison) <http://symbiota.org/nalichens/index.php> <http://symbiota.org/bryophytes/index.php>
- Digitizing **Fossils** to Enable New Syntheses in Biogeography - Creating a PALEONICHES-TCN (University of Kansas)
- The **Macrofungi** Collection Consortium: Unlocking a Biodiversity Resource for Understanding Biotic Interactions, Nutrient Cycling and Human Affairs (New York Botanical Garden)
- Mobilizing New England **Vascular Plant** Specimen Data to Track Environmental Change (Yale University)
- Southwest Collections of Arthropods Network (SCAN): A Model for Collections Digitization to Promote Taxonomic and Ecological Research (Northern Arizona University) <http://hasbrouck.asu.edu/symbiota/portal/index.php>
- Fossil Insect Collaborative: A Deep-Time Approach to Studying Diversification and Response to Environmental Change
- Collaborative Research: Digitization TCN: Developing a Centralized Digital Archive of Vouchered Animal Communication Signals
- The **Macroalgal** Herbarium Consortium: Accessing 150 Years of Specimen Data to Understand Changes in the Marine/Aquatic Environment

# iDigBio Working Groups

- Augmenting OCR (aOCR)
- **Biodiversity Informatics Management (BIM)**
- Cyberinfrastructure (CYWG)
- Developing Robust Object to Image to Data (DROID1, 2, 3)
- Education and Outreach (E&O)
- **Georeferencing (GWG)**
- International Whole-Drawer Digitization Interest Group
- Minimum Information Standards, Authority Files, & Semantics (MISC)
- **North American Network of Small Herbaria (NANSH)**
- Paleo Digitization (Paleo)
- Public Participation in Digitization (CitSci)
- **Sustainability (swg)**

# Digitization training workshops

Resources







## 21 Workshops, 691 people (Fiscal Year 2013-2014)

- **Developing Robust Object-Image-Data Workflows** (DROID 1, May 2012)
- **Herbarium digitization** (Valdosta State, September 2012)
- Augmenting OCR Hackathon (Ft. Worth, February 2103)
- Fluid-preserved collections digitization (U. Kansas, March 2013)
- Dried insect collections digitization (Field Museum, April 2013)
- **Collections digitization** (West Virginia, ASB, April 2013)
- Georeferencing Train-the-Trainers (iDigBio, Gainesville, August 2103)
- Imaging fluid-preserved invertebrates (U. Michigan, September 2013)
- Paleontology digitization (Yale Peabody Museum, September 2013)
- **Small herbarium digitization** (Florida State University, December 2013)
- CitScribe Hackathon (iDigBio, Gainesville, December 2013)
- Broadening diversity in the biodiversity sciences (January, 2014)
- Education and Outreach (iDigBio, Gainesville, January 2014)
- **Original source materials digitization** (Yale Peabody, March 2014)
- Digitization in the South Pacific (Honolulu, March 2014)
- **Recruiting and Retaining Small Collections in Digitization** (Mt. Pleasant, MI, April 2014)
- Paleo Imaging Workshop (Austin, TX, April 2014)
- Specify for Paleo Workshop (U. Kansas, May 2014)
- **TORCH + iDigBio Digitization Workshop** (Sul Ross State U., May 24<sup>th</sup> 2014)



# Our past, present, and future Workshops

- Benefit from the past
- Participate in the present
- Focus the future – Propose a workshop

Date	Workshop Name	Brief Summary	Links
01/16/2014-01/17/2014	iDigBio Education and Outreach Workshop  (workshop report)	Two day workshop to explore the parameters of iDigBio's Education and Outreach directives. TCN presentations, keynote speakers and demonstrations of the Resources and Tools available are among the topics to be addressed.	<ul style="list-style-type: none"> <li>• <a href="#">Workshop Announcement</a> </li> <li>• <a href="#">Workshop Agenda</a></li> <li>• <a href="#">Workshop Wiki</a></li> </ul>
02/1/2014	Careers and Graduate Study in the Biological Sciences (workshop report) 	A 1-day workshop for undergraduate students focusing on opportunities for careers and graduate study in field and environmental biology, biodiversity, ecology, and evolution. A primary goal is increasing minority participation in the biological sciences within such groups as African and Black Americans, Native Americans, and individuals of Hispanic ethnicity. Registration is open to freshmen, sophomores, juniors, seniors, and recent graduates.	<ul style="list-style-type: none"> <li>• <a href="#">Workshop Announcement</a> </li> <li>• <a href="#">Workshop Agenda</a> </li> <li>• <a href="#">Workshop Wiki</a></li> </ul>
02/17/2014	NAPC Symposium: "Celebrating Public Participation in	Celebrating public participation in paleontology, Sponsored by The Florida Paleontological Society Chairs: Austin J.W. Hendy & Bruce J. MacFadden.	<ul style="list-style-type: none"> <li>• Presentations: <ul style="list-style-type: none"> <li>• <a href="#">Egg Mountain paleontological field station: Integrating science and educational outreach</a> </li> <li>• <a href="#">Restoring for posterity</a></li> </ul> </li> </ul>

# iDigBio Listservs

- **iDigBio** ← Stay informed
- Augmenting OCR
- Biodiversity Informatics Managers
- Citizen Science and Crowdsourcing
- Cyberinfrastructure WG
- **Digitization** ← Experience
- Georeferencing WG ← Materials
- International Whole-Drawer Digitization Interest Group
- Invert Imaging Interest Group
- Paleo Digitization WG
- **Small Collections Network** ← Focus

# End of this talk, but just the beginning...

