iDigBio Workshops / Working / Interest Groups

E & I/O Resources & Potential!



Deborah Paul, @idbdeb Gainesville, Florida 15 -17 January 2014 Integrated Digitized Biocollections (iDigBio) E&O Workshop

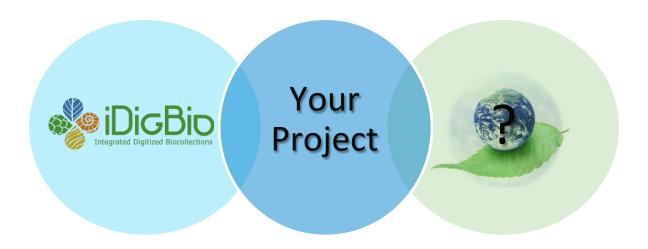


iDigBio is funded by a grant from the National Science Foundation's Advancing Digitization of Biodiversity Collections Program (Cooperative Agreement EF-1115210). Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect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

NIBA Implementation Plan - Goal 4

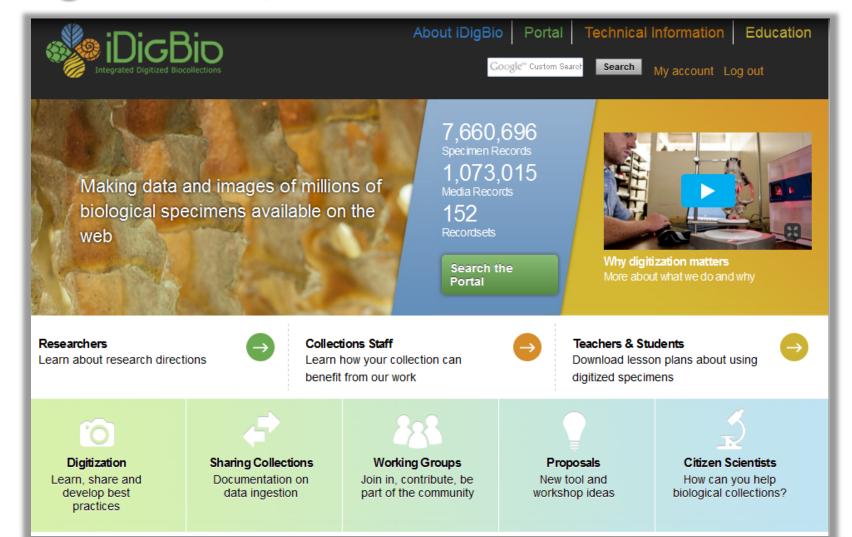
Increase participation in and support for NIBA from a broad spectrum of stakeholders, both nationally and internationally.

 4.1. Align NIBA's strategic plan with road-mapping exercises of other broad-based biodiversity initiatives in order to identify areas of overlap and synergy.



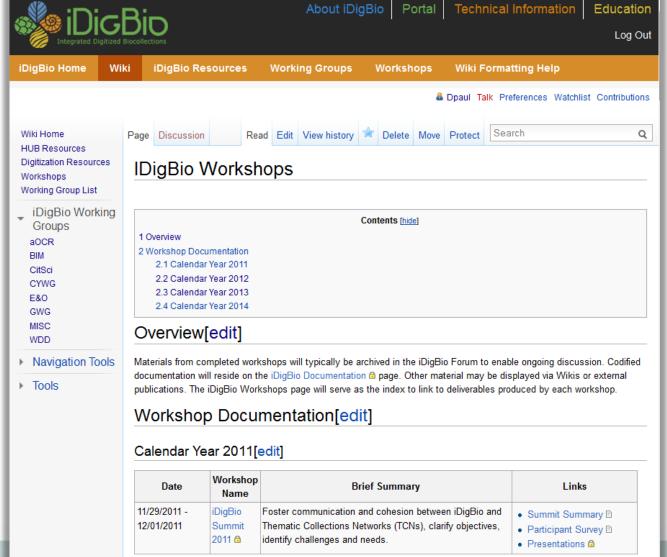


iDigBio E & I/O Potential





E & I/O Potential in Past Workshops

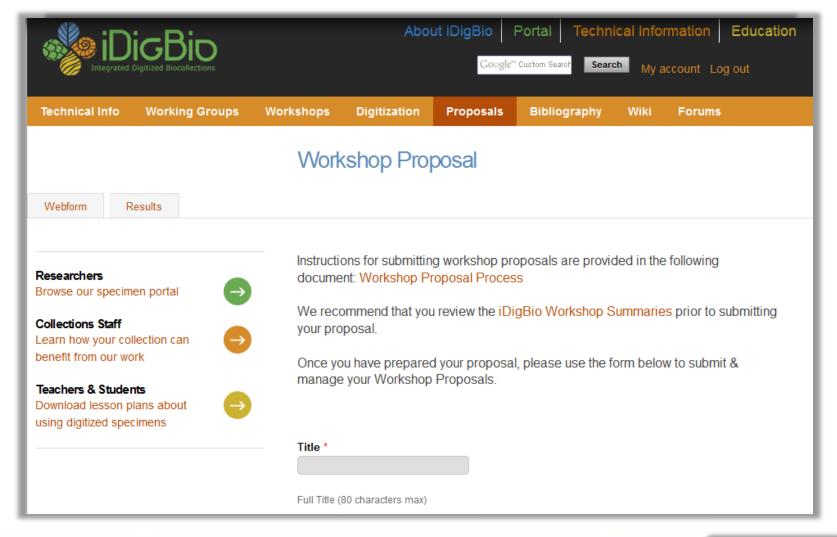




E & I/O Potential in Future Events

& iDicRip	About iDigBio Portal Technical Information Education
Integrated Digitized Biocollections	Google™ Custom Search Search My account Log out
Upcoming Outreach Events	
Event	Start Date to End Date
Education & Outreach Workshop	01-15-2014 to 01-17-2014
Demo Webinar: Visualize Text Data Using OCR Output	01-22-2014
Broadening Diversity	02-01-2014
North American Paleontological Convention	02-15-2014 to 02-18-2014
Florida Academy of Sciences Meeting	03-07-2014 to 03-08-2014
Original Source Materials Worksop	03-09-2014 to 03-12-2014
LEEF 2014	03-21-2014 to 03-23-2014
Data Modeling Workshop	03-24-2014 to 03-25-2014
Digitization Process Workshop	03-24-2014 to 03-28-2014
75th Annual Meeting of the Association of Southeastern Biologists	04-02-2014 to 04-05-2014
Small Collections Workshop	04-07-2014 to 04-10-2014
WISE Girls Science Spring Camp	04-13-2014
Broadening Diversity Shadow Days	04-17-2014 to 04-19-2014
Earth Day	04-19-2014
Paleo Imaging/3D Imaging Workshop	04-28-2014 to 05-02-2014
Natural History Collections Symposium	05-05-2014 to 05-06-2014
Specify for Paleo Collections Workshop	05-19-2014 to 05-23-2014
SPNHC 2014	06-01-2014
North American Network of Small Herbaria Workshop and Botany 20	14 07-31-2014
GSA iDigBio Symposium	10-19-2014 to 10-22-2014
iDigBio Summit IV	10-27-2014 to 10-28-2014

E & I/O Potential in New Workshop Proposals









My account Log out

Making data and images of millions of biological specimens available on the web

7,660,696 Specimen Records 1,073,015 Media Records

152 Recordsets

Search the Portal



Why digitization matters

More about what we do and why

Researchers

Learn about research directions



Collections Staff

Learn how your collection can benefit from our work



Teachers & Students

Download lesson plans about using digitized specimens





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



Citizen Scientists

How can you help biological collections?



Working Group Thoughts

WG (Outreach) Liaison?

- bridge the gap
 - increase participation
 - increase awareness
 - best practices adoption
 - digitization maturity
 - expertise sharing
 - public documentation

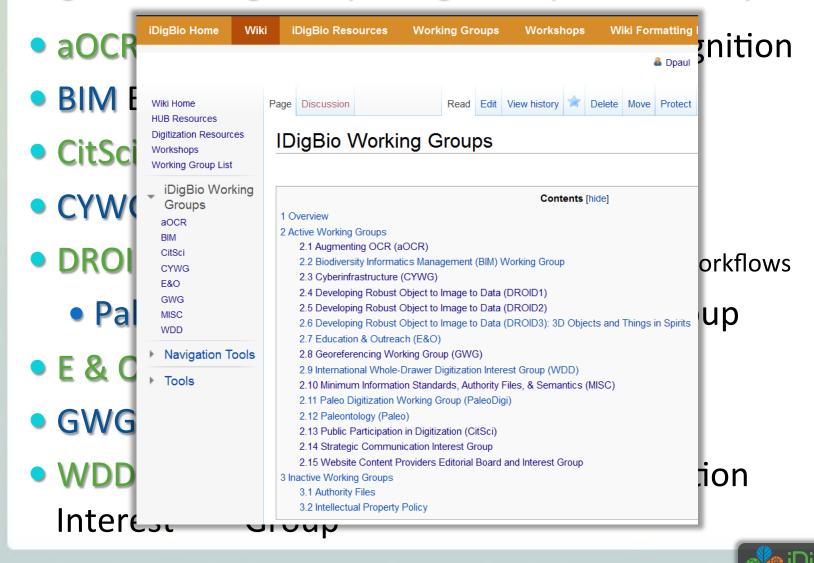
An outside member?

- bridge the gap
 - no expertise



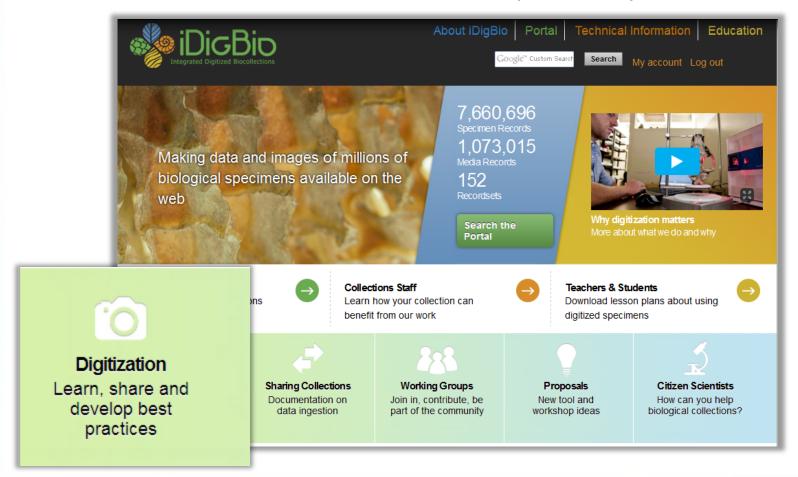


iDigBio Working Groups - a gateway to workshops



iDigBio Digitization Resources from DROID 1-2-3 and you...

• How to use them in Education & (Inreach) Outreach?





More about Digitization Resources

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 (March 2013)
- Dried Insect Digitization Workshop Wiki (April 2013)
- ASB Digitization Workshop and Symposium (April 2013)
- CSIRO Digitization Workshop, Canberra, Australia (July 2013)
- Specify Workshop Wiki (August 2013)
- Fluid-preserved Invertebrate and Microscopic Slide Imaging (Sept 2013)
- Paleo Collections Digitization Workshop Wiki (Sept 2013, Yale Peabody Museum)
- Small Herbarium Digitization Workshop Wiki (December 2013, Florida State University)
- CITSCribe Hackathon (16-20 December 2013, University of Florida, Gainesville)
- Digitizing from Source Materials Workshop Wiki (March 2014, Yale Peabody Museum)
- Biological Collections Digitization in the Pacific (March 25-27 2014)
- Paleo Imaging Workshop (April-May 2014, University of Texas)



NANSH North American Network of Small Herbaria

North American Network of Small Herbaria



Homepage

Search Collections

Dynamic Checklist

Dynamic Key

Image Library

About Network

Resource Links

Symbiota Help Page

Other Networks

Great Plains

Intermountain

MABA Flora

SEINet

SERNEC

Log In

New Account

Sitemap

North American Network of Small Herbaria

The North American Network of Small Herbaria is an open access data portal provided by Symbiota and intended to foster digitization of small collections and facilitate collaboration among institutions. The establishment of this portal is the result of collaboration between Symbiota and iDigBio's Small Herbarium Working Group (https://www.idigbio.org/wiki/index.php/Small_Herbarium_Interest_Group). To learn how to join the working group or network, contact Anna Monfils (monfilak@cmich.edu) or Gil Nelson (gnelson@bio.fsu.edu).

Small herbaria constitute a major source of information for understanding North America's plant diversity. These collections are typically regional in scope with strong ecological, taxonomic, and geographic biases. They frequently hold specimens that are unduplicated in larger herbaria and usually represent intense samplings of community composition that significantly expand our knowledge of landscape-level biogeography. As a result, they are singularly important to the study of regionally and nationally significant natural communities.

Until recently, access to the wealth of biodiversity data stored in small herbaria has been hampered by travel requirements, insufficient staff, and long-term loans that render specimens unavailable for extended periods. With the advent of biodiversity collections digitization, small herbaria are now poised to overcome these obstacles by making label data and specimen images readily available online through searchable electronic databases. As more institutions take advantage of open-source, community-supported digitization software, the online presence of small collections will rapidly increase and with it the volume of

Plant of the Day



What is this plant? Click here to test your knowledge



NIBA Implementation Plan - Goal 3

- "...pursue international cooperative efforts in training in biodiversity science..."
 - 3.1. Implement new training opportunities in biodiversity informatics.







Biodiversity Informatics Managers WG



- Long Live the Data
- Who will feed and care for it? Who will ensure the sustainability of the habitat?
- Where do these people come from?



GWG – a Community Resource



- Powerpoints (wiki)
- Videos (vimeo)
- Working Group Expertise (listserv / webinars)
- Join us remotely on Adobe Connect
 - We can join you too!
- Community Expansion (map)



iDigBio GWG

Train the Trainers I and II

- 5 Days
- Pay-it-forward
- Community Resource

10:00	Workshop Overview, Introduction to Georeferencing, and Thinking like a Trainer	David Bloom Shari Ellis		
10:20	Selected Survey Results, Train-the-Trainers Second Georeferencing Pre-workshop Survey Report and Update from TTT1 Participants Pay-It-Forward Efforts			
10:35	Break			
11:00	Georeferencing Introduction: Collaboration to Automation	Dave Bloom Nelson Rios Jessica Utrup		
11:30	Geographical Concepts			
11:50	Point-Radius Method and Best Practices			
12:10	Darwin Core Standard, Key Terminology iDigBio Recommended fields	Dave Bloom		
12:30	Lunch (Provided)			
13:30	Georeferencing Quick Reference Guide, Locality Types, and Georeferencing Template	Una Farrell		
14:40	Georeferencing Calculator, Calculator Manual	Dave Bloom		
15:30	Break			
16:00	Georeferencing Calculator Example and Exercises, MaNIS/HerpNET /ORNIS Georeferencing Guidelines			
17:00	Day in Review and Considerations for Trainers-to-be Trivia Question of the Day A.M. Recording: Start-10:30 A.M. Recording: 10:40-12:30	David Bloom Debbie Paul		







A Georeferencing Resource Near You?

	Name of Participant	Workshop	Project	Affiliation	Institution	Area of Expertise	
Frai	Nina Abdollahian	TTT1	PaleoNICHES		San Jose State University		-
	Emily Aker	ТТТ1		Museum of Comparative Zoology	Harvard University	Curatorial Assistant. Harvard University, Museum of Comparative Zoology	-
	Dorothy Allard*	ТТТ1	NEVP	Pringle Herbarium Burlington, Vermont	University of Vermont	Botanist, Assistant Curator, Digital Herbarium Coordinator	
	Liath Appleton*	TTT1		Texas Natural Science Center	University of Texas	Web Design,	
	Donna Shannon Asencio*	ТТТ1	MaCC		New York Botanical Garden	Environmental Biology, Plant Systematics, Project Coordinator	
	Hannah- Maria Rachel Brame*	ТТТ1	PaleoNICHES		Ohio University	Geological Sciences, Ohio University	



http://tinyurl.com/idbtttmap



iDigBio (GWG) Videos on Vimeo



http://vimeo.com/album/2163673

Citizen Science Potential

- Collaborative efforts
 - Digitization Blitz? (Stakeholder Suggestion)
 - Coordinated Media Efforts?
 - via NfN, TTD-TCN, Symbiota, MaCC, NEVP, your TCN?,...
- Augmenting OCR (aOCR wg)
 - visualizing the data for
 - transcribers
 - validators
 - researchers
- Public Participation Management Tool
 - see Austin, Libby, Greg, and Robert for details!
 - engaging the public in science through digitization
 - using humans-in-the-digitization-loop, thoughtfully





iDigBio #CITScribe Hackathon



GOT IT! LET ME TRANSCRIBE

GOT IT! LET ME CHOOSE MY TRANSCRIPTION GROUP

Use for initial sort or validation



PROBLEM REGISTARIAN AND STATE OF THE PROBLEM OF THE

Country

Choose your group:

from iDigBio CitSci Public Participation in Digitization WG, with CYWG and AOCR Working Groups, et al



PANAMA

Broadening Participation for broader impacts













Some Keys to Engaging Underrepresented Groups

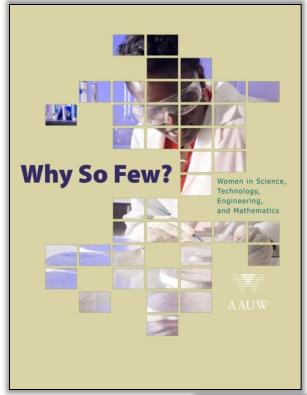
AAUW STEM 10-year research review

 presents evidence that social and environmental factors contribute to the underrepresentation of women and girls

in STEM.

Eight research findings in three areas:

- •How social and environmental factors shape girls' achievement and interest in math and science
- •The climate of college and university science and engineering departments
- Continuing influence of bias





Broadening Participation - E & I/O for Broader Impacts

- Inreach / Outreach
 - K-12, undergrads, graduate students, adults
 - our own community too!
 - especially workforce development
- How can we work together?
 - Ambassadors for each other's projects / workshops
 - Social Media collaboration
 - Working Group overlap / outreach?
 - Workshop Evaluation / Assessment
- Your thoughts?



Thank you from iDigBio and the Education & Outreach Working Group

