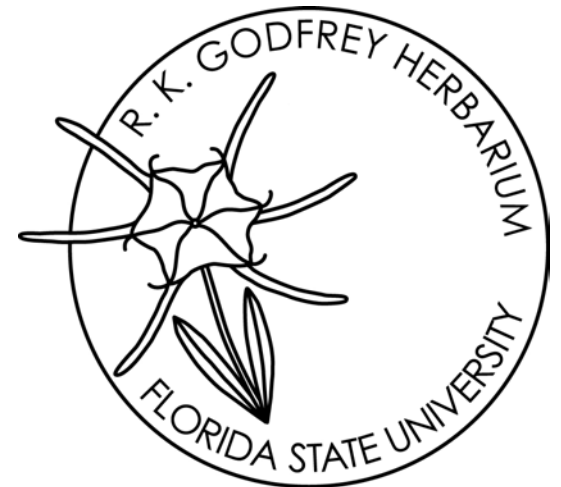


# The Worldwide Engagement for Digitizing Biocollections (WeDigBio) event—a global stage for your herbarium

Austin Mast





<https://www.idigbio.org/content/sitch-stitch%E2%80%94citstitch-hackathon>



# Decipher our collections, discover hidden archives and contribute to knowledge

Join our community of 1,000+ volunteers

Get Involved ↓

Learn more

*Image by John Tann from Flickr*

## JOIN A VIRTUAL EXPEDITION OF...



### Collection labels

Capture data from specimen and object labels to make it accessible for scientific and cultural research.

[See all labels](#)



### Historical documents

Transcribe text and capture data from historical documents to make them digitally accessible.

[See all field journals](#)



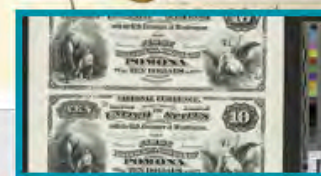
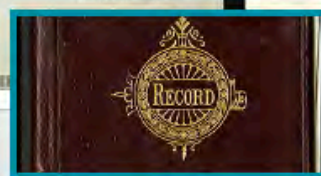
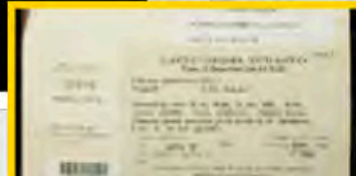
### Images

Identify and tag images of animals and collection objects to support information discovery and research.

[See all camera traps](#)

## FEATURED

### U.S. NATIONAL HERBARIUM

[VIEW PROJECTS](#)


## JOIN US!

### LEARN HOW TO TRANSCRIBE

Become a Smithsonian Digital Volunteer and help us make historical documents and biodiversity data more accessible.

Join 5,786 volunteers and contribute to field notes, diaries, ledgers, logbooks, currency proof sheets, photo albums, manuscripts, biodiversity specimens labels and more - [Get started Now!](#)


Follow us on Twitter and learn more about projects: [@TranscribeSI](#)

Partner on projects and ask your [#volunpeers](#) for best tips and tricks.

You'll also find updates on [Facebook](#) and behind-the-scenes shots on [Instagram](#).

## BROWSE PROJECTS

Select a category below to begin browsing projects.

Select a Category 


## LOG A LINE

### Negative Log Book Number 21


#### 302 CONTRIBUTIONS

In 1896, the first Smithsonian's first photographer Thomas Smilie began to document the work of the Institution. Transcribe this logbook captured almost 100 years later from 1992 and 1994 to recover information from our endlessly fascinating visual past!

## LATEST UPDATES

 Panasko marked for review a page from Harvard-Smithsonian Center for Astrophysics DASCH project- Logbook AI #34

 Panasko transcribed a page from Harvard-Smithsonian Center for Astrophysics DASCH project- Logbook AI #34

 Panasko reviewed a page from Harvard-Smithsonian Center for Astrophysics DASCH project- Logbook AI #34

 Panasko reviewed a page from Harvard-Smithsonian Center for Astrophysics DASCH project- Logbook AI #34



[Get Started](#)[About](#)[Talk](#)[Blog](#)[Statistics](#)[Completed Expeditions](#)[Login](#)

TRANSCRIBE MUSEUM RECORDS

# Notes from Nature

Choose a Group and Start Transcribing!



7

Expeditions Available

1,171

Registered Volunteers

31,240

Classifications

21,032

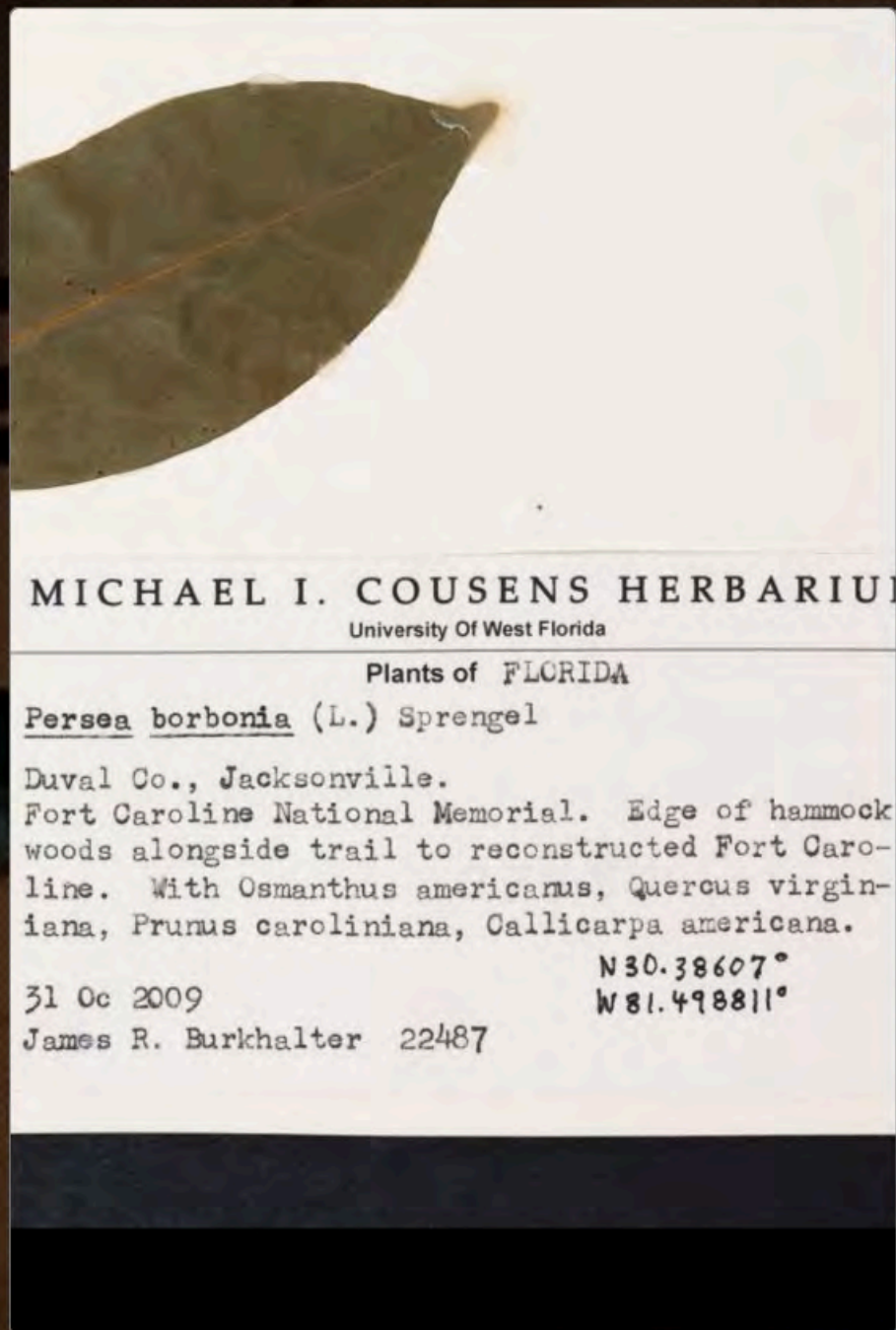
Subjects

9,189

Retired Subjects







Geographic Location

Country

Select...

State/Province

Select...

County

Select...

Need some help with this task?

Back

Next



Show the project tutorial



science

# Evolved Science: Crowds Can Catalog Bugs Faster

MARCH 11, 2014 4:00 PM ET

STAN JASTRZEBSKI

from 88.9 wfsu



Listen to the Story

All Things Considered



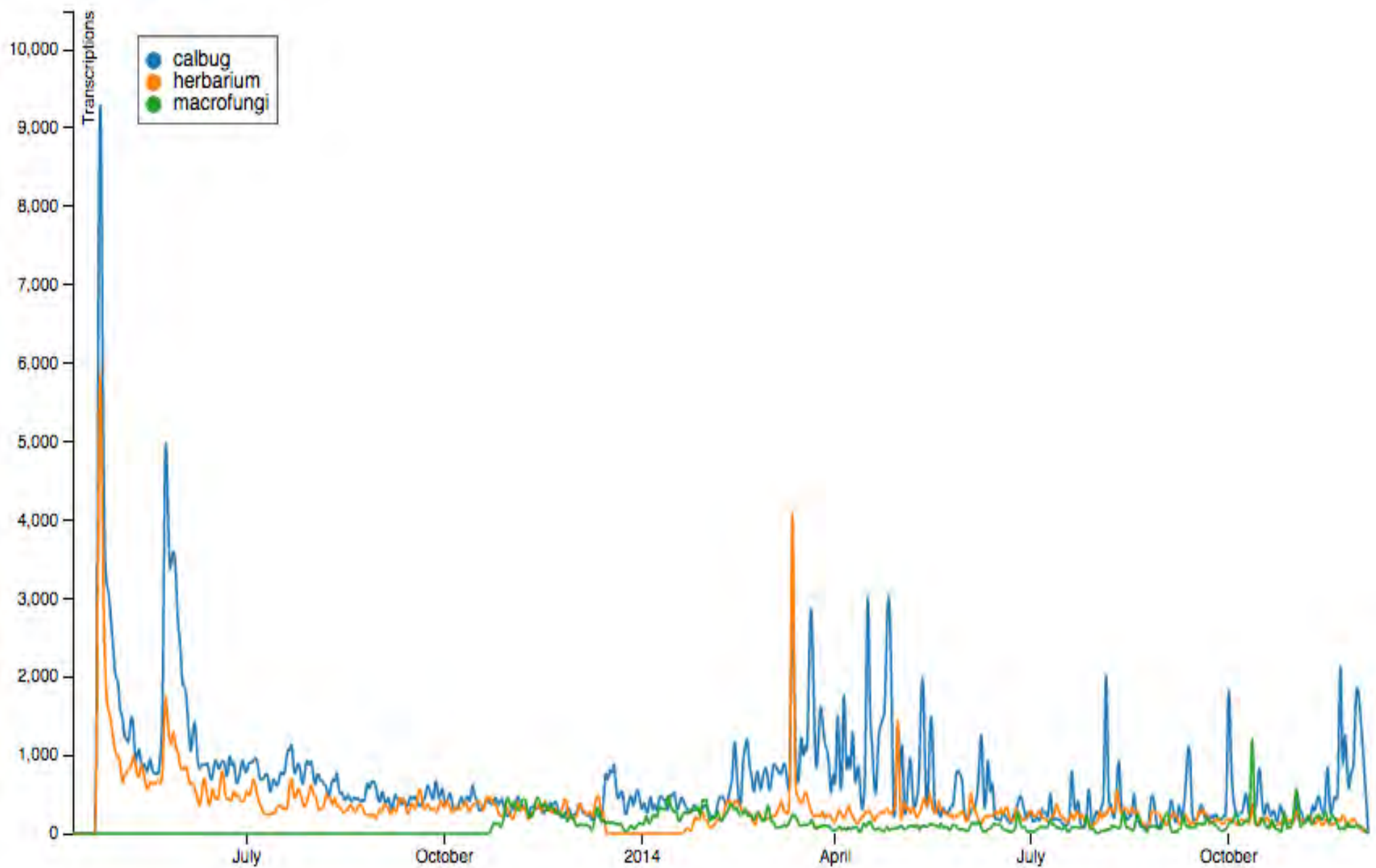
4 min 25 sec

+ Playlist  
↓ Download  
≡ Transcript

SHARE









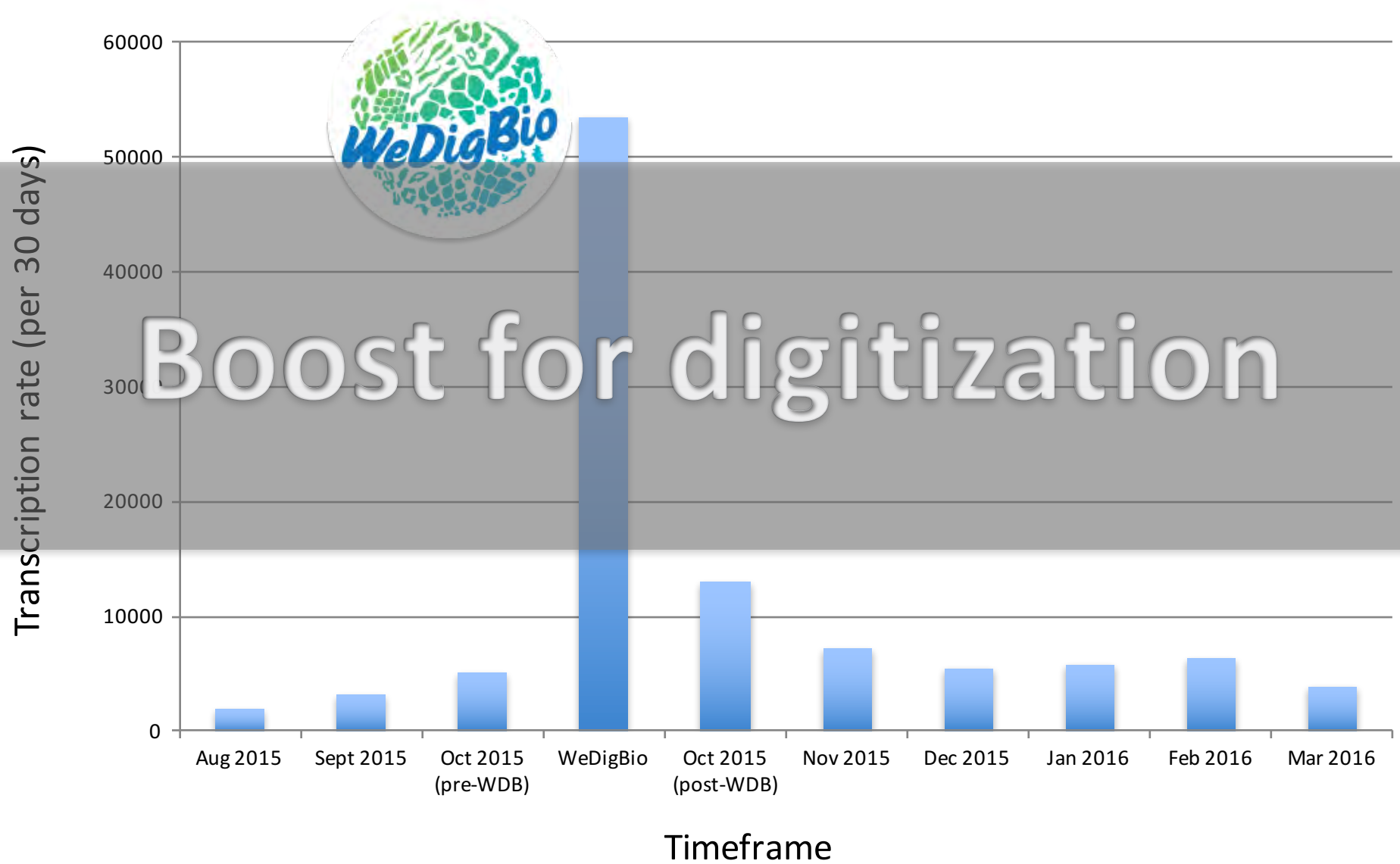
*What is it?*





A spot for biocollections on  
global citizen science calendar

## Herbarium Transcriptions on NFN

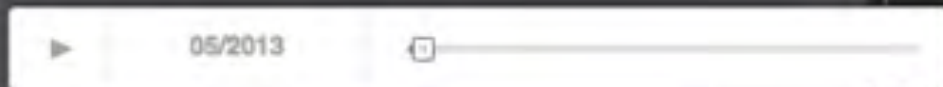






Transcription activity

# Global stage for biocollections





# Local stage for biocollections



<https://www.idigbio.org/content/simultaneous-transcription-blitzes-success>





# Resource for STEM literacy



<https://www.wedigbio.org/>

# Media attention





The logo for WeDigBio is a circular emblem. It features a central globe-like shape composed of green and blue leaf-like patterns. The text "Worldwide Engagement for" is written in a light grey, sans-serif font along the top arc of the circle, and "Digitizing Biocollections" is written along the bottom arc. The text "WeDigBio" is prominently displayed in the center of the circle in a large, bold, blue, stylized font.

*Your invitation*

**WeDigBio**

October 20–23, 2016





## Worldwide Engagement for Digitizing Biocollections



### Quick Links:

- [2016 Host Signup](#)



**2. For the topics below, please rate your level of awareness now compared to prior to participating in the Blitz.**






Question	Lower (1)	About the same (2)	Higher (3)	Much higher (4)	Total Responses	Mean
the number of biodiversity specimens held in collections	1	45	61	32	139	2.89
the kinds of biodiversity specimens held in collections	1	52	56	30	139	2.83
the process of transcribing specimen labels	1	35	47	56	139	3.14
the value of biodiversity specimens held in collections	1	41	53	44	139	3.01



Please rate the importance of each of the possible Blitz activities listed below to your overall experience.

Activity	Lecture	Collection Tour	GeoLocator or Timeline Games	Take-Home Item	Bingo Game
Very unimportant (1)	2 (1.9%)	7 (7.9%)	4 (5.8%)	8 (7.4%)	6 (6.5%)
Unimportant (2)	0 (0%)	0 (0%)	0 (0%)	9 (8.3%)	6 (6.5%)
Neither important nor unimportant (3)	10 (9.4%)	8 (9.0%)	18 (26.1%)	35 (32.4%)	35 (38%)
Important (4)	42 (39.6%)	22 (24.7%)	32 (46.4%)	32 (29.6%)	30 (32.6%)
Very Important (5)	52 (49.1%)	52 (58.4%)	15 (21.75%)	24 (22.2%)	15 (16.3%)
Average Response	4.34	4.26	3.78	3.51	3.46
Total # participants offered this activity	106	89	69	108	92

**10. How likely is that you would participate in a Transcription Blitz in the future if given the opportunity?**

#	Answer		Response	%
1	Very unlikely		2	1%
2	Unlikely		1	1%
3	Neither likely nor unlikely		14	10%
4	Likely		50	36%
5	Very likely		71	51%
	Total		138	100%



Worldwide Engagement for Digitizing Biocollections



Quick Links:

- [2016 Host Signup](#)



## WeDigBio Tasklist and Timeline

Follow the steps below if you will be hosting an onsite event. The dates, tasks, and resources below are intended to serve as guidelines. Details of how you, as an event leader, choose to execute these tasks is ultimately up to you and we encourage you to personalize materials as you see fit.

Questions? Contact us at [wedigbio@gmail.com](mailto:wedigbio@gmail.com).

	Date	Task Description	Explanations and Comments	Resources
0	Now	Register your event.	Go to <a href="http://wedigbio.org">wedigbio.org</a> , follow the Host an Event link and fill out the short survey.	
1	Aug	Choose a transcription platform to use during WeDigBio.	Test and decide on an online transcription center: <a href="http://notesfromnature.org">notesfromnature.org</a> , <a href="http://volunteer.ala.org.au">volunteer.ala.org.au</a> , <a href="http://lesherbonautes.mnhn.fr">lesherbonautes.mnhn.fr</a> , <a href="http://herbariaunited.org/atHome">herbariaunited.org/atHome</a> , <a href="http://transcription.si.edu">transcription.si.edu</a> (or <a href="http://symbiota.org">symbiota.org</a> if you are part of an established TCN).	
2	Aug-Sept	Optional: Order event-branded incentive gift.	If a participant incentive includes an event-branded item.	Brand merchandise, cafes



## Developing and Implementing a WeDigBio Event

The intent of this document is to provide guidance for leaders of WeDigBio on-site transcription blitz events. Other materials are also available on the WeDigBio website, [wedigbio.org](http://wedigbio.org). Feel free to edit or modify to suit the needs of your institution. This document can be used in conjunction with the Tasklist and Timeline.

### Registering my event

- Go to [wedigbio.org](http://wedigbio.org), follow the Host an Event link and fill out the [short survey](#).

### Recruitment

Ideas for how to recruit volunteers for your onsite event and information pertinent to hosting volunteers.

- Local media, e-mail listservs, and institutional communication methods. General Information found in the Media Kit document may be useful for this.
- [Facebook](#), [Twitter](#) (@wedigbio), and other social media. Social media content is available in the Media Kit.
- Advertisement at local colleges and universities, senior centers, naturalist and environmental groups, etc.





## WeDigBio Tasklist and Timeline

Follow the steps below if you will be hosting an onsite event. The dates, tasks, and resources below are intended to serve as guidelines. Details of how you, as an event leader, choose to execute these tasks is ultimately up to you and we encourage you to personalize materials as you see fit.

Questions? Contact us at [wedigbio@gmail.com](mailto:wedigbio@gmail.com).

	Date	Task Description	Explanations and Comments	Resources
0	Now	Register your event.	Go to <a href="http://wedigbio.org">wedigbio.org</a> , follow the Host an Event link and fill out the short survey.	
1	Aug	Choose a transcription platform to use during WeDigBio.	Test and decide on an online transcription center: <a href="http://www.fromnature.org">www.fromnature.org</a> , <a href="http://www.interalab.org">www.interalab.org</a> , <a href="http://www.biodidact.com">www.biodidact.com</a> , <a href="http://www.transcription.si.edu">www.transcription.si.edu</a> (or symposium if you are part of an established TCN).	
2	Aug-Sept	Optional: Order event-branded incentive gift.	If a participant incentive includes an event-branded item.	Brand merchandise, cafe

# Budget 20 hours

## Developing and Implementing a WeDigBio Event

The intent of this document is to provide guidance for leaders of WeDigBio on-site transcription blitz events. Other materials are also available on the WeDigBio website, [wedigbio.org](http://wedigbio.org). Feel free to edit or modify to suit the needs of your institution. This document can be used in conjunction with the Tasklist and Timeline.

### Registering my event

- Go to [wedigbio.org](http://wedigbio.org), follow the Host an Event link and fill out the [short survey](#).

### Recruitment


Ideas for how to recruit volunteers for your onsite event and information pertinent to hosting volunteers.

- Local media, e-mail listservs, and institutional communication methods. General Information found in the Media Kit document may be useful for this.
- [Facebook](#), [Twitter](#) (@wedigbio), and other social media. Social media content is available in the Media Kit.
- Advertisement at local colleges and universities, senior centers, naturalist and environmental groups, etc.

Your Name \_\_\_\_\_

## MORPHOLOGY BINGO

Mark the word as you see it in the specimens you transcribe.

Leaf longer than broad	Red fruit	Grass-like leaf	Tendrils	Tiny flower
Egg-shaped leaf	Red petals	White petals	Lobed leaf	Opposite leaves
Leaf broader than long	Tiny leaf		Yellow petals	Bark
Triangular leaf	Tiny plant	Huge leaf	Huge flower	Roots
Toothed leaf margin	White fruit	Alternate leaves	T	



Smithsonian  
National Museum of Natural History




This material is based upon work supported by the National Science Foundation under Cooperative Agreement EF-111520. 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.

Your Name \_\_\_\_\_

## HABITAT BINGO

Mark the word as you see it in the specimens you transcribe.

sandy	swamp	creek	hammock	mesic
scrub	open	peaty	floodplain	woods
pond	lake		roadside	shaded
flatwoods	disturbed	wet	bog	river
ditch	forest	edge	loamy	dry



Smithsonian  
National Museum of Natural History



This material is based upon work supported by the National Science Foundation under Cooperative Agreement EF-111520. 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.



Your Name \_\_\_\_\_

## GEO LOCATOR

Mark the collection location for each specimen you transcribe.

Other Locations




Smithsonian  
National Museum of Natural History

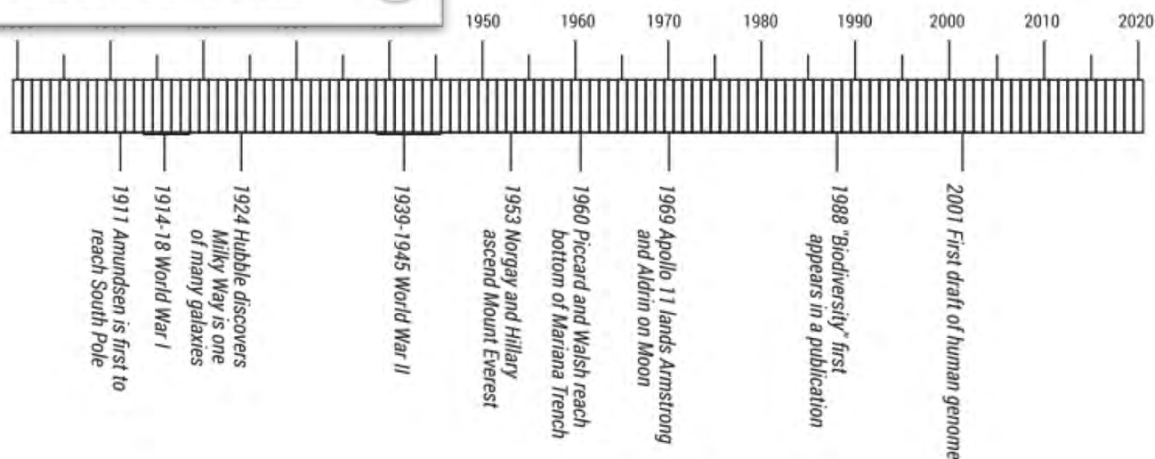


This material is based upon work supported by the National Science Foundation under Cooperative Agreement EF-111520. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.



## TIMELINE TRACKER

Mark the collection location for each specimen you transcribe.



Smithsonian  
National Museum of Natural History



This material is based upon work supported by the National Science Foundation under Cooperative Agreement EF-111520. 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.



## **Liberating Data for Biodiversity Research—the WeDigBio Event**

### **An Undergraduate-level Classroom Exercise in Citizen Science**

---

#### **Learning Objective**

The world's 3 billion biodiversity research specimens—bugs on pins, fish in jars, plants on sheets, fossils in trays, etc.—document the what, when, and where of the perhaps 9 million species on Earth. Each is a time capsule, a window to the morphological and genomic diversity for a species at a location at a particular moment in time stretching back several centuries for extant organisms and hundreds of millions of years for fossil organisms. By aggregating data from these specimens we bring into sharper focus historical changes to life on Earth with which to better predict future change. The objectives of this exercise are to familiarize you with the information content of biodiversity specimens and their labels, the breadth of that information across geographic space and/or time, a useful resource for finding biodiversity specimen information, and the value of citizen science contributions. Upon completion of this exercise, students will be able to interpret biodiversity specimen labels, differentiate among categories of label information, relate information on individual specimen labels to information collected by the nationwide community, and construct an aggregate picture of the temporal and spatial extents of specimens based on label data.

#### **Timeframe**

We will be contributing to a global event entitled Worldwide Engagement for Digitizing Biocollections (WeDigBio) that runs from October 22 to 25, 2015. During those four days there will be many others contributing biodiversity specimen label transcriptions along with us, some in classroom settings, some at parties onsite at museums, and some at their home computers.



***Exercise 1—transcribe label data from ten specimens and reflect on what you saw***

Species ID of Specimen	State/Province (or Country) in which Specimen Collected	Does iDigBio already have a specimen of that species from that location? (Y/N)
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Your Name

**GEO LOCATOR**

Mark the collection location for each specimen you transcribe.

Other Locations

This material is based upon work supported by the National Science Foundation under Cooperative Agreement EF-111520. 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.



**\*\*\* EMBARGOED UNTIL 6 A.M. EST, OCT. 15, 2015\*\*\***

**Contact:**

Austin Mast, Associate Professor  
Department of Biological Science  
Florida State University  
(850) 264-2621  
[amast@bio.fsu.edu](mailto:amast@bio.fsu.edu)  
<http://www.herbarium.bio.fsu.edu>

Paul Kimberly, Digitization Manager  
Smithsonian Institution Natural History  
NMNH Collections Program  
(202) 633-1854  
[KIMBERLYP@si.edu](mailto:KIMBERLYP@si.edu)  
[www.mnh.si.edu/rc/staff/kimberly.html](http://www.mnh.si.edu/rc/staff/kimberly.html)

October 15, 2015

**LOCAL MUSEUM JOINS GLOBAL 4-DAY EFFORT TO DIGITIZE CENTURIES OF DATA ABOUT LIFE ON EARTH**

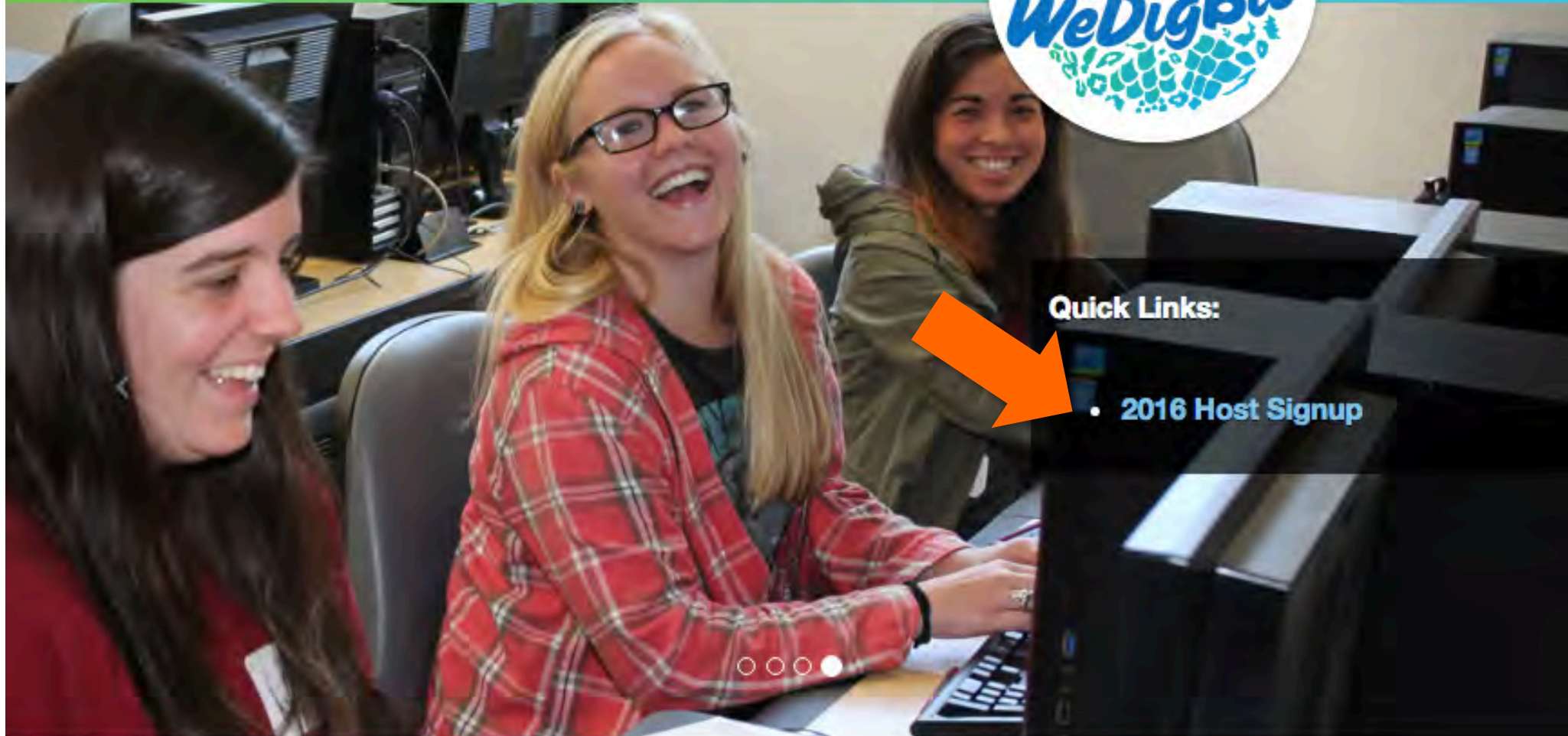
TALLAHASSEE, Fla.— For centuries, scientists have explored and documented the natural world, collecting the billions of specimens lodged in museums, universities, and field stations worldwide. And now, Florida State and other institutions across the globe want to help make that information available to the general public.

But they need your help.

Florida State University's Robert K. Godfrey Herbarium invites members of the public to one of the many transcription parties that will be held next week during the Worldwide Engagement for Digitizing Biocollections (WeDigBio) Event. The WeDigBio Event will transform the often handwritten or typewritten data sequestered on the labels of plant, insect, fish, and fossil specimens into an open, globally accessible, digital resource with the help of the public.



Worldwide Engagement for Digitizing Biocollections



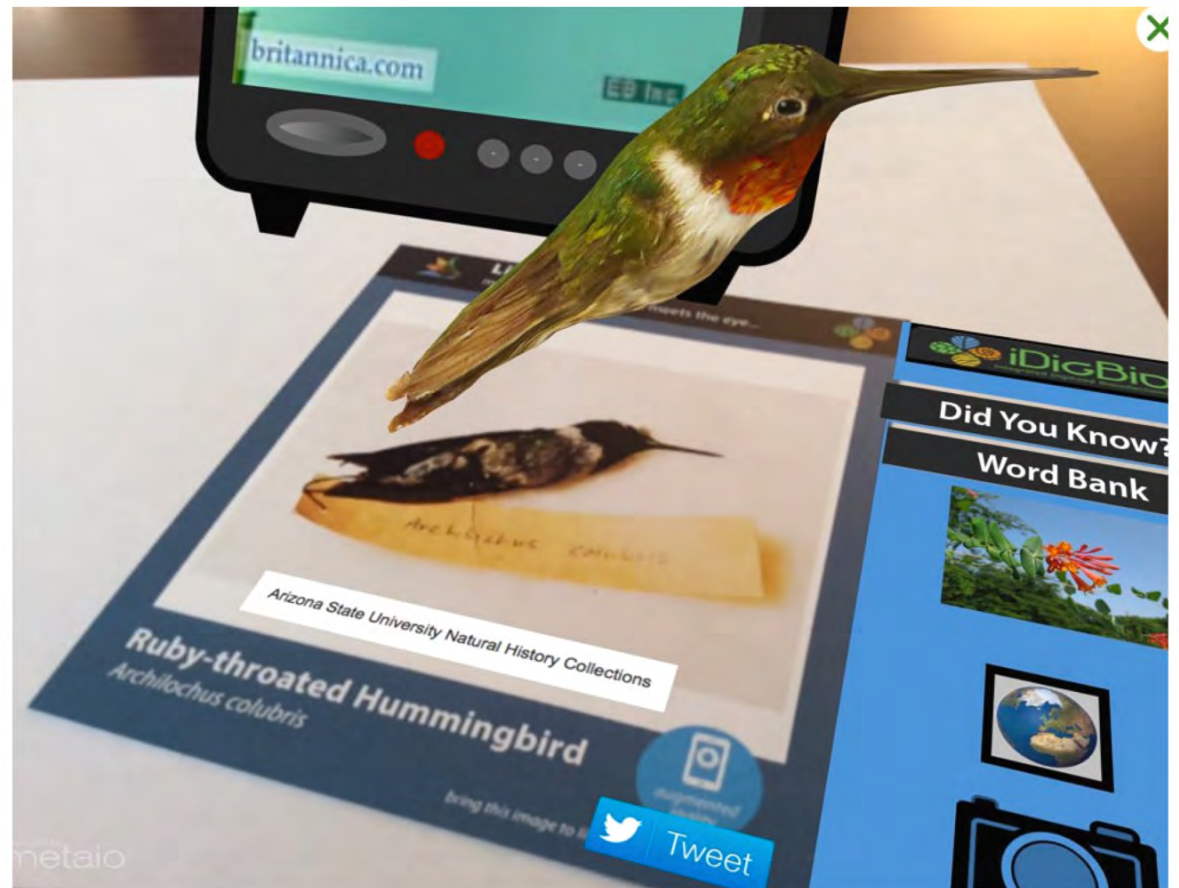
Quick Links:

- 2016 Host Signup









NSF Biology @NSF\_BIO · Nov 6  
 We may be having too much fun at @NSF\_BIO with the Libraries of Life iOS app & specimen cards! Dwnld free! @iDigBio

<http://www.libraries-of-life.org/>





NSCAIalliance and 3 others Retweeted



**NSF Biology** @NSF\_BIO · Oct 24

And make sure you check out all the **#WeDigBio** events this weekend!  
[wedigbio.org](http://wedigbio.org) @WeDigBio



**NYT Science** @NYTScience

Out of storage and onto the Internet: a guide to digitized natural history collections [nyti.ms/1PHweLV](http://nyti.ms/1PHweLV)

9

NMNH\_Entomology and 2 others Retweeted



**The Field Museum** @FieldMuseum · Oct 24

Since Thursday, we've transcribed over 1,000+ records for **#WeDigBio**! Here's how you can help remotely: [field.mu/TLyBb](http://field.mu/TLyBb)

4

SI Transcription Ctr and 1 other Retweeted



**NMNH\_Entomology** @NMNH\_Entomology · Oct 24

Follow along live as **SI** hosts a live transcription event! **#BeeByBee**  
**#WeDigBio**

**SI Transcription Ctr** @TranscribeSI

LIVE on #Periscope: WeDigBio at Smithsonian Natural History - #BeeByBee  
[periscope.tv/w/aPu05TF6Wuti...](http://periscope.tv/w/aPu05TF6Wuti...)

4

Higgs Boson4 and 3 others Retweeted

**DigiVol** @AMDigiVol · Oct 23

**DIGI VOL** Rosie and Rex fighting over who is transcribing for **GAustmus** **GA**tlaslivingaust at **#WeDigBio**



7





Use BIOSPEX to provision, advertise, and lead public Biodiversity Specimen Digitization Expeditions

# How to launch expeditions

The world's 3rd largest biodiversity research specimens archive provides the historical baseline for understanding the patterns of life's diversity and distribution today and projecting future changes to it. But information about the majority of these specimens languishes in cabinets. BIOSPEX is a basecamp for launching, advertising, and managing targeted efforts to digitize these specimens. We recognize that motivations to digitize the data can vary a lot, from the museum curator to the descendants of a collector reconstructing their ancestor's steps to an environmental group interested in the health of a local water body. BIOSPEX enables each of these to package their projects in one or a series of digitization expeditions, launch the expeditions at crowdsourcing tools, and widely recruit others to participate. In the end, you can download the new data AND the data goes back to the museum that curates the physical specimen.

Get started -> [Lead an Expedition](#)

## #BIOSPEX



**Austin Mast** @austin\_mast

Congratulations to UNC's first #Biospex-launched @NfromN expedition—gotta love bellflowers! Join the fun at [bit.ly/2aygtZA](http://bit.ly/2aygtZA)



BIOSPEX Retweeted



**Austin Mast** @austin\_mast

Arkansas traveling at three new #BIOSPEX-launched Arkansas plant expeditions now







# Notes from Nature

## Completed Expeditions



**WeDigFLPlants' Mints of Florida—More than Mojitos** ⓘ  
Completed: June 21 2016



**WeDigFLPlants' Laurels of Florida—Fight Laurel Wilt** ⓘ  
Completed: June 21 2016



**CalBug Bee Flies**  
Completed: June 19 2016



**New World Swallowtail Butterflies** ⓘ  
Completed: June 28 2016



**CalBug Bee Flies 2**  
Completed: June 26 2016



**WeDigFLPlants' St. John's Worts of Florida—Diversity to Lift your Spirits** ⓘ  
Completed: July 20 2016



**WeDigFLPlants' Rose Gentians of Florida—Beauty from the Center of its Diversity** ⓘ  
Completed: July 20 2016



**CalBug Bee Flies 3**  
Completed: July 6 2016





## WeDigFLPlants

*Build the historical baseline for plant diversity and distribution in Florida.*

WeDigFLPlants is a collaboration between professional research botanists, amateur naturalists, gardeners, educators, and citizen scientists to build the most complete picture possible of plant distribution and diversity in Florida over the past 200 years. The data for this historical baseline come from archived plant specimens curated by the world's 3,000 herbaria. Each of these specimens includes a label that answers the who, what, when, and where of the collecting event that produced it. Transcribing that label data into digital form and providing that data online at aggregators like idigbio.org and gbif.org makes it available to scientists, educators, natural resource managers, and policymakers addressing societal challenges today and in the future. Today, there are >4,700 species of plants native or naturalized in Florida. WeDigFLPlants is an inaugural interest group associated with the annual Worldwide Engagement for Digitizing Biocollections (WeDigBio) Event.

### How to Participate

This project has the following active expeditions:

Expedition	% Complete *	Join In
WeDigFLPlants' Mints of Florida— More than Mojitos	100.00%	<a href="#">Notes From Nature V2</a>

### Organization

WeDigBio

### Contact

Austin Mast

### Contact Title

Chief Mobilizer

### Organization Website

[wedigbio.org](http://wedigbio.org)

### Project Partners

Florida Native Plant Society, The Southeastern Regional Network of Expertise and Collections, The Worldwide Engagement for Digitizing Biocollections (WeDigBio) Event, and iDigBio, the US National Resource for Advancing Digitization of Biodiversity Collections.

### Funding Source

National Science Foundation under Cooperative Agreement EF-111520 and awards 1458550 and 1410288. 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.

### Incentives






Local WeDigFLPlants event organizers might provide incentive gifts, such as stickers and temporary tattoos.

### Geographic Scope

<http://biospex.org/project/wedigflplants>

## Projects





[+ Create](#)

	Title	Group	Project Options
	Florida Native Plant Society Magnolia Chapter's Citizen Science Project	FSU Godfrey Herbarium	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	Florida State University's Godfrey Herbarium New Manifest	FSU Godfrey Herbarium	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	Florida State University's Godfrey Herbarium Old Manifest	FSU Godfrey Herbarium	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	Florida State University's Southeastern US Species Project	FSU Godfrey Herbarium	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	WeDigFLPlants	WeDigFLPlants	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	Natural North Carolina	NaturalNorthCarolina	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	Plants of Arkansas: Discovery and Dissemination	Plants of Arkansas	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>



## Projects

[+ Create](#)

	Title	Group	Project Options
	Florida Native Plant Society Magnolia Chapter's Citizen Science Project	FSU Godfrey Herbarium	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	Florida State University's Godfrey Herbarium New Manifest	FSU Godfrey Herbarium	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	Florida State University's Godfrey Herbarium Old Manifest	FSU Godfrey Herbarium	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	Florida State University's Southeastern US Species Project	FSU Godfrey Herbarium	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	WeDigFLPlants	WeDigFLPlants	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	Natural North Carolina	NaturalNorthCarolina	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>
	Plants of Arkansas: Discovery and Dissemination	Plants of Arkansas	<a href="#">Open</a> <a href="#">+ Import</a> <a href="#">Explore</a> <a href="#">Clone</a> <a href="#">Edit</a> <a href="#">Delete</a>

## Create Project

**Group \***

--Select--

**Status \***

Starting

**Title \***

Title

**Contact \***

Contact

**Contact Email \***

Contact Email

**Contact Title \***

Contact Title

**Organization**

Managing Organization

**Organization  
Website**

http://yoursite.org

**Project Partners**

Project Partners





## WeDigFLPlants

*Build the historical baseline for plant diversity and distribution in Florida.*

WeDigFLPlants is a collaboration between professional research botanists, amateur naturalists, gardeners, educators, and citizen scientists to build the most complete picture possible of plant distribution and diversity in Florida over the past 200 years. The data for this historical baseline come from archived plant specimens curated by the world's 3,000 herbaria. Each of these specimens includes a label that answers the who, what, when, and where of the collecting event that produced it. Transcribing that label data into digital form and providing that data online at aggregators like [idigbio.org](http://idigbio.org) and [gbif.org](http://gbif.org) makes it available to scientists, educators, natural resource managers, and policymakers addressing societal challenges today and in the future. Today, there are >4,700 species of plants native or naturalized in Florida. WeDigFLPlants is an inaugural interest group associated with the annual Worldwide Engagement for Digitizing Biocollections (WeDigBio) Event.

### How to Participate

This project has the following active expeditions:

Expedition	% Complete *	Join In
WeDigFLPlants' Mints of Florida— More than Mojitos	100.00%	<a href="#">Notes From Nature V2</a>

### Organization

WeDigBio

### Contact

[Austin Mast](#)

### Contact Title

Chief Mobilizer

### Organization Website

[wedigbio.org](http://wedigbio.org)

### Project Partners

Florida Native Plant Society, The Southeastern Regional Network of Expertise and Collections, The Worldwide Engagement for Digitizing Biocollections (WeDigBio) Event, and iDigBio, the US National Resource for Advancing Digitization of Biodiversity Collections.

### Funding Source

National Science Foundation under Cooperative Agreement EF-111520 and awards 1458550 and 1410288. 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.

### Incentives

Local WeDigFLPlants event organizers might provide incentive gifts, such as stickers and temporary tattoos.

### Geographic Scope

<http://biospex.org/project/wedigflplants>



# Notes from Nature

## Completed Expeditions



**WeDigFLPlants' Mints of Florida—More than Mojitos**

Completed: June 21 2016



**WeDigFLPlants' Laurels of Florida—Fight Laurel Wilt**

Completed: June 21 2016



**CalBug Bee Flies**

Completed: June 19 2016



**New World Swallowtail Butterflies**

Completed: June 28 2016



**CalBug Bee Flies 2**

Completed: June 26 2016



**WeDigFLPlants' St. John's Worts of Florida—Diversity to Lift your Spirits**

Completed: July 20 2016



**WeDigFLPlants' Rose Gentians of Florida—Beauty from the Center of its Diversity**

Completed: July 20 2016



**CalBug Bee Flies 3**

Completed: July 6 2016





## Create Project

**Group \***

--Select--

**Status \***

Starting

**Title \***

Title

**Contact \***

Contact

**Contact Email \***

Contact Email

**Contact Title \***

Contact Title

**Organization**

Managing Organization

**Organization Website**

http://yoursite.org

**Project Partners**

Project Partners

**Workflows \***

--Select--

**Logo**
**Banner**

--Select--

Notes From Nature Legacy

Notes From Nature Panoptes

OCR

OCR -&gt; Notes From Nature Legacy

OCR -&gt; Notes From Nature Panoptes

## WeDigFLPlants

Build the historical baseline for plant diversity and distribution in Florida.

+ Import

Q Explore

+ Clone

⚙ Edit






























✖ Delete

📄 Advertise

Project Uri : WeDigFLPlants

## Expeditions

+ Create

Title	Description	Created	Subjects	Transcriptions Goal	Transcriptions Completed	Percent Complete	Options
WeDigFLPlants' Mints of Florida — More than Mojitos	Transcribe historical label data from Florida specimens from the plant family Lamiaceae.	2016-05-18	482	1446	1547	100.00%	    
WeDigFLPlants' Laurels of Florida — Fight Laurel Wilt	Transcribe historical label data from Florida specimens from the plant family Lauraceae and empower those fighting laurel wilt fungus.	2016-05-18	316	948	1003	100.00%	    
WeDigFLPlants' Panhandle Party I	Transcribe historical label data from Florida specimens from Florida's Capital County.	2016-06-14	815	Processing has not been started.			   
WeDigFLPlants' St. John's Worts of Florida—Diversity to Lift your Spirits	Transcribe historical label data from Florida specimens from the plant family Hypericaceae.	2016-06-16	705	2115	2129	100.00%	    
WeDigFLPlants' Rose Gentians of Florida—Beauty from the Center of its Diversity	Transcribe historical label data from Florida specimens from the plant genus Sabatia.	2016-06-16	386	1158	1166	100.00%	    
WeDigFLPlants' Sunflowers of Florida—Florida's Biggest Plant Family	Transcribe historical label data from Florida specimens from the plant family Asteraceae.	2016-07-12	1989	5967	0	0.00%	    



## WeDigFLPlants

Build the historical baseline for plant diversity and distribution in Florida.

### Import Darwin Core File

Instructions

File

Browse...

No file selected.

Upload

Cancel

### Import Using Record Set Id

Instructions

Id

Record Set Id / Url

Upload

Cancel

### Import Darwin Core Url

Instructions

Url

Darwin Core File Url

Upload

Cancel

### Import Notes From Nature Results

Instructions

File

Browse...

No file selected.

Upload

Cancel

Projects / WeDigFLPlants / WeDigFLPlants / Import

## WeDigFLPlants

Build the historical baseline for plant diversity and distribution in Florida.

### Import Darwin Core File

Instructions

File  No file selected.

### Import Using Record Set Id

Instructions

Id

### Import Darwin Core Url

Instructions

Url

### Import Notes From Nature Results

Instructions

File  No file selected.

*REALITY CHECK: Have you taken necessary steps involving digital imaging, online sharing of images, GUIDs, and record creation in a specimen data management system?*



## Welcome to SERNEC

Herbaria are not simply repositories of plant specimens, they are repositories of a tremendous amount of information. Current technologies provide an opportunity to access this information at an unprecedented scale. The real power of herbaria as research tools can be fully realized when both large and small collections within a broad geographic region are electronically available and searchable.

SERNEC (SouthEast Regional Network of Expertise and Collections) is designed to facilitate this process, by building partnerships, encouraging the utilization of the collective expertise of the network, and assisting herbaria in providing information to the public.

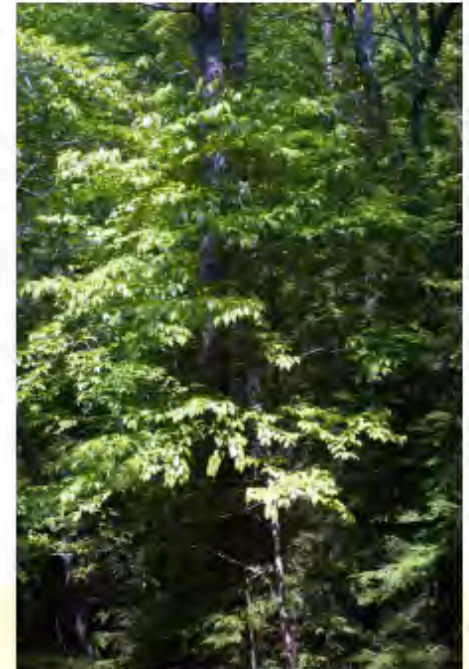
SERNEC is 1) networking the 230 herbaria in 14 states in southeastern North America, 2) developing a strategy for advancing each state's ongoing databasing effort, and 3) working to publish online botanical resources that will be available to scientists, land managers, state and federal agencies, educators and the general public. These data will provide a greater understanding of one of the most botanically diverse regions of the earth and will lead to better research, better management planning and a more well-informed public.

Development of a searchable collective database at a regional scale will provide a powerful research tool, and by combining 150 years of botanical information housed in herbaria in the Southeast with models of past plant migrations and current ecological parameters, we can revolutionize studies in biodiversity, evolution, ecology and systematics. We are also working to link our efforts with those of other regional herbarium groups through the US Virtual Herbarium and with the national biodiversity informatics effort, iDigBio.

## Search Collections

[General Data Usage Policy](#)

### Plant of the Day



**What is this plant?**

[Click here to test your knowledge](#)



This project made possible by National Science Foundation Award 1410069

Success: Upload was successful. You will receive an email when the upload is complete.

Projects / WeDigFLPlants / WeDigFLPlants

## WeDigFLPlants

Build the historical baseline for plant

+ Import

Q Explore

Clone

Edit

X

## Expeditions

+ Create

### Processes

#### OCR Processes

##### WeDigFLPlants

Ocr Batch #3 - 1243 out of 1243 remaining to be processed

#### Import Processes

No processes running at this time.

Ocr processing stats refresh every 5 minutes.

Close

Project Url : WeDigFLPlants

Title	Description	Created	Subjects	Transcriptions Goal	Transcriptions Completed	Percent Complete	Options
WeDigFLPlants' Mints of Florida—More than Mojitos	Transcribe historical label data from Florida specimens from the plant family Lamiaceae.	2016-05-18	482	1446	0	0.00%	    
WeDigFLPlants' Laurels of Florida—Fight Laurel Wilt	Transcribe historical label data from Florida specimens from the plant family Lauraceae and empower those fighting laurel wilt fungus.	2016-05-18	316	948	0	0.00%	    



## WeDigFLPlants

Build the historical baseline for plant diversity and distribution in Florida.

+ Import

Q Explore

+ Create

⚙ Edit






























✖ Delete

📄 Advertise

Project Uri : WeDigFLPlants

## Expeditions

+ Create

Title	Description	Created	Subjects	Transcriptions Goal	Transcriptions Completed	Percent Complete	Options
WeDigFLPlants' Mints of Florida — More than Mojitos	Transcribe historical label data from Florida specimens from the plant family Lamiaceae.	2016-05-18	482	1446	1547	100.00%	    
WeDigFLPlants' Laurels of Florida — Fight Laurel Wilt	Transcribe historical label data from Florida specimens from the plant family Lauraceae and empower those fighting laurel wilt fungus.	2016-05-18	316	948	1003	100.00%	    
WeDigFLPlants' Panhandle Party I	Transcribe historical label data from Florida specimens from Florida's Capital County.	2016-06-14	815	Processing has not been started.			   
WeDigFLPlants' St. John's Worts of Florida—Diversity to Lift your Spirits	Transcribe historical label data from Florida specimens from the plant family Hypericaceae.	2016-06-16	705	2115	2129	100.00%	    
WeDigFLPlants' Rose Gentians of Florida—Beauty from the Center of its Diversity	Transcribe historical label data from Florida specimens from the plant genus Sabatia.	2016-06-16	386	1158	1166	100.00%	    
WeDigFLPlants' Sunflowers of Florida—Florida's Biggest Plant Family	Transcribe historical label data from Florida specimens from the plant family Asteraceae.	2016-07-12	1989	5967	0	0.00%	    

Create Expedition

Title \*

Title

Description \*

Description

Keywords \*

Keywords

Subjects currently assigned to Expedition (5000 max. per Expedition) : 0

	assigned	id	accessURI			ocr
<input type="checkbox"/>	No	http://bisque.iplantcollaborative.org/image_service/image/00-	View Image	View Thumb	View Url	USCH 10 Univrsily of South Carolina
<input type="checkbox"/>	No	http://bisque.iplantcollaborative.org/image_service/image/00-	View Image	View Thumb	View Url	> 5 6 7 8 PLANTS OF FLORIDA COUNTY: LEON ElephantO
<input type="checkbox"/>	No	http://bisque.iplantcollaborative.org/image_service/image/00-	View Image	View Thumb	View Url	' u _ _ _ _ _ @ OPTIRECTILINEAR' ' _ _ _ _ _
<input type="checkbox"/>	No	http://bisque.iplantcollaborative.org/image_service/image/00-	View Image	View Thumb	View Url	_ \$ OPTIRECTILINEAR' r _ _ _ _ _ l u (H 9 L a v ,U [HI 1
<input type="checkbox"/>	No	http://bisque.iplantcollaborative.org/image_service/image/00-	View Image	View Thumb	View Url	_ _ _ _ _ OPTIRECTILINEAR' Flora of Florida Leon Cour
<input type="checkbox"/>	No	http://bisque.iplantcollaborative.org/image_service/image/00-	View Image	View Thumb	View Url	\$ paluaseu NBMdoo wo IL" N OL 6 8 .1. 9 9 17 8 Z L O IIIH
<input type="checkbox"/>	No	http://bisque.iplantcollaborative.org/image_service/image/00-	View Image	View Thumb	View Url	memHHWHWHWHWHWHWHMHWHWH HVOOOddOOSN 8
<input type="checkbox"/>	No	http://bisque.iplantcollaborative.org/image_service/image/00-	View Image	View Thumb	View Url	I MSCCPPPE04 I 1 -m'. 11703044335" IAQJIHIIIIHI'IIH[HI
<input type="checkbox"/>	No	http://bisque.iplantcollaborative.org/image_service/image/00-	View Image	View Thumb	View Url	' MSCCPPPEOAI _ _ 4 ~*1 l il IIYOOOddOOSN "I w*1 miH

No

http://bisque.iplantco



Save Grid State

Load Grid State

Create

Cancel



## WeDigFLPlants' Panhandle Party I

Transcribe historical label data from Florida specimens from Florida's Capital County.

[Clone](#) [Edit](#) [Delete](#)[Reprocess Ocr](#)[Process](#)

Subjects currently assigned to Expedition: 815

assigned	id	accessURI	ocr
Yes	http://bisque.iplantcollaborative.org/image_service/image/00-Ps	<a href="#">View Image</a> <a href="#">View Thumb</a> <a href="#">View Url</a>	HERBARIUM OF FLORIDA STATE UNIVERSITY Tallahassee PL
Yes	http://bisque.iplantcollaborative.org/image_service/image/00-EJ	<a href="#">View Image</a> <a href="#">View Thumb</a> <a href="#">View Url</a>	canynamrnwvnd U N I V E R S I T Y - ' E E K - 112mg - . - I ' 1 P
Yes	http://bisque.iplantcollaborative.org/image_service/image/00-dk	<a href="#">View Image</a> <a href="#">View Thumb</a> <a href="#">View Url</a>	Duk mpyvlgmnwma U N I V E R S I T V Panicum laxiflorum Lan
Yes	http://bisque.iplantcollaborative.org/image_service/image/00-5d	<a href="#">View Image</a> <a href="#">View Thumb</a> <a href="#">View Url</a>	mpyrlqmmud U N I V E R S I T Y ' Duke HERBARIUM OF FL
Yes	http://bisque.iplantcollaborative.org/image_service/image/00-6T	<a href="#">View Image</a> <a href="#">View Thumb</a> <a href="#">View Url</a>	F]- zDuke / , 0 1 0 I " _ 1 fl cm , 0 " UNIVERSITY HERBARIUM
Yes	http://bisque.iplantcollaborative.org/image_service/image/00-NX	<a href="#">View Image</a> <a href="#">View Thumb</a> <a href="#">View Url</a>	19%;:: rnpyfith rrrr rw-fl HERBARIUM OF FLORIDA STATE UNIV
Yes	http://bisque.iplantcollaborative.org/image_service/image/00-yG	<a href="#">View Image</a> <a href="#">View Thumb</a> <a href="#">View Url</a>	UNIVERSITY Duke r opyfluhi "mum-(l H. L. RLOMQUIST HERB
Yes	http://bisque.iplantcollaborative.org/image_service/image/00-Ye	<a href="#">View Image</a> <a href="#">View Thumb</a> <a href="#">View Url</a>	HERBARIUM OF FLORIDA STATE UNIVERSITY 'allahassee PL
Yes	http://bisque.iplantcollaborative.org/image_service/image/00-fR	<a href="#">View Image</a> <a href="#">View Thumb</a> <a href="#">View Url</a>	Duke UNIVERSITY r npyrmn nnnn wed , _ f HERBARIUM
Yes	http://bisque.iplantcollaborative.org/image_service/image/00-6E	<a href="#">View Image</a> <a href="#">View Thumb</a> <a href="#">View Url</a>	DUKE ' II " I " " N W 10016857 III ' Duke UNIVERSITY mpyv

[Save Grid State](#)[Load Grid State](#)

## WeDigFLPlants

Build the historical baseline for plant diversity and distribution in Florida.

[+ Import](#) [Q Explore](#) [📄 Clone](#) [⚙ Edit](#) [✖ Delete](#) [📄 Advertise](#)

Project Url : [WeDigFLPlants](#)

## Expeditions

[+ Create](#)

Title ↕	Description ↕	Created ↕	Subjects ↕	Transcriptions Goal ↕	Transcriptions Completed ↕	Percent Complete ↕	Options
WeDigFLPlants' Mints of Florida— More than Mojitos	Transcribe historical label data from Florida specimens from the plant family Lamiaceae.	2016-05-18	482	1446	0	<div><div></div></div> 0.00%	<a href="#">👁</a> <a href="#">📄</a> <a href="#">⚙</a> <a href="#">✖</a> <a href="#">📄</a>
WeDigFLPlants' Laurels of Florida— Fight Laurel Wilt	Transcribe historical label data from Florida specimens from the plant family Lauraceae and empower those fighting laurel wilt fungus.	2016-05-18	316	948	0	<div><div></div></div> 0.00%	<a href="#">👁</a> <a href="#">📄</a> <a href="#">⚙</a> <a href="#">✖</a> <a href="#">📄</a>
WeDigFLPlants' Panhandle Party I	Transcribe historical label data from Florida specimens from Florida's Capital County.	2016-06-14	815	Processing has not been started.			<a href="#">👁</a> <a href="#">📄</a> <a href="#">⚙</a> <a href="#">✖</a>





573c752600cf794e2d8b47d3.jpg



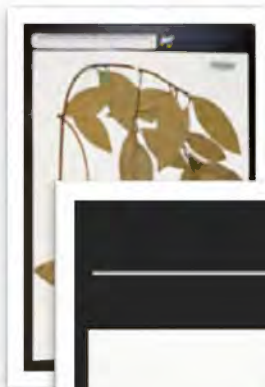
573c752600cf794e2d8b47d5.jpg



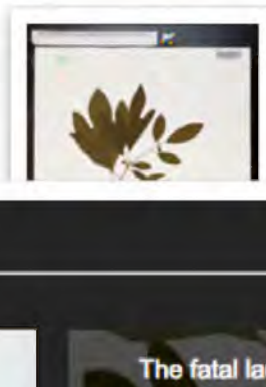
573c752600cf794e2d8b47d7.jpg



573c752600cf794e2d8b47d9.jpg



573c75



The fatal laurel wilt fungus reached Florida in 2005 and now all members of the family, including Sassafras, are threatened. Help the WeDigFLPlants group transcribe specimens of Florida's 15 native and naturalized laurel species to build the historical baseline.

**WeDigFLPlants' Mints of Florida—More than Mojitos**  
Completed: June 21 2016

**WeDigFLPlants' Laurels of Florida—Fight Laurel Wilt**  
Completed: June 21 2016

# My Suggestions

- Start by creating a BIOSPEX project focused on your herbarium.
- Define expeditions in ways exciting to your local community (e.g., specimens from your home county).
- Host a digitization party for your local community or a classroom exercise using resources at [wedigbio.org](http://wedigbio.org). This would ideally happen during WeDigBio to benefit from that broader media push, but need not.
- Share any resources that you produce on [wedigbio.org](http://wedigbio.org).



# Frequently Asked Questions

## General

Projects

Expeditions

Crowdsourcing

## What is BIOSPEX?

The vision for BIOSPEX was established at iDigBio's **2012 Public Participation in Digitization of Biodiversity Specimens Workshop**. That group recognized a need for a resource to (1) lower barriers to creation and management of online public participation projects for this domain, (2) make data flow more easily among relevant actors (e.g., specimen data management systems, crowdsourcing platforms, web services) then back to the collections curating the physical specimens with provenance information, (3) build capacity for recruiting and engaging with public participants, and (4) enable co-created citizen projects (i.e., those in which citizen scientists participated throughout the research process, including choice of research focus). Those are the four principal goals of the BIOSPEX project.

## What is biodiversity specimen digitization?

## Who may use BIOSPEX?

## What are Biodiversity Specimen Data?

## I am someone who would like to help. How can I get started?

# Resources

## Recorded Webinar on the Process of Creating an Expedition

Austin Mast gave a webinar entitled "A Small-Collections On-Ramp for Participation in the 2016 Worldwide Engagement for Digitizing Biocollections (WeDigBio) Event" in the iDigBio Education and Outreach Webinar Series. The webinar explains the process of expedition creation at BIOSPEX.

## Expedition Creation Protocol for the Southeastern Regional Network of Expertise and Collections (SERNEC) v1.0

This protocol was produced by Andrea Weeks, Austin Mast, and Michael Denslow for use by the SERNEC group, but parts of it will be relevant to others.

1-SERNEC\_ExpeditionCreationProtocol\_v1\_r.pdf

# A Small-Collections On-Ramp for Participation in the 2016 Worldwide Engagement for Digitizing Biocollections (WeDigBio) Event



Austin R. Mast

*Associate Professor, Department of  
Director, Robert K. Godfrey Herbarium  
Associate Director, Institute for Digital  
Scientific Communication*

*Version 1.0 - July 21, 2016 – Andrea Weeks, Austin Mast, Michael Denslow*

## **Protocol for creating Notes from Nature Transcription Expeditions for the “Keys to the Cabinets” Curator Community**

*The protocol below assumes that you have made basic decisions about the circumscription of your volunteer engagement project (e.g., the specimens that you will target in collaboration with partner groups like your state native plant society). It makes sense to establish a single project for each partner or group of partners that have the same focus. For example, you might produce a project focused on all specimens collected in your state (irrespective of collection curating them) with your state native plant society and a project focused on your herbarium's specimens (irrespective of location they were collected) for your institution's volunteer corps.*

*The protocol also assumes that you have successfully uploaded your image files to CyVerse and updated the relevant specimen records in Symbiota with the url at which the corresponding specimen image can be accessed.*

### **STEP A. Register at biospex.org and create a Group.**

1) Click Register in the top right at biospex.org.

2) Fill out fields in Register New Account form. The Group Invite Code field permits a user to join a Group to which they were invited. Most of you will not be joining a Group immediately in this way. You would have received your group invite code in an email generated by BIOSPEX.





*Please join in!*

**WeDigBio**

# Acknowledgements

I thank my collaborators Libby Ellwood, Rob Guralnick, Paul Kimberly, Paul Flemons, Michael Denslow, Kevin Love, Shari Ellis, Greg Riccardi, and Robert Bruhn, as well as participants in the CITStitch Hackathon, Smithsonian's WeDigBio 2015 Planning Workshop, iDigBio's WeDigBio2016 Planning Workshop, onsite hosts, and the thousands of WeDigBio participants.

This material is based upon work supported by the National Science Foundation under Cooperative Agreement EF-111520 and awards 1458550 and 1410288. 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.

