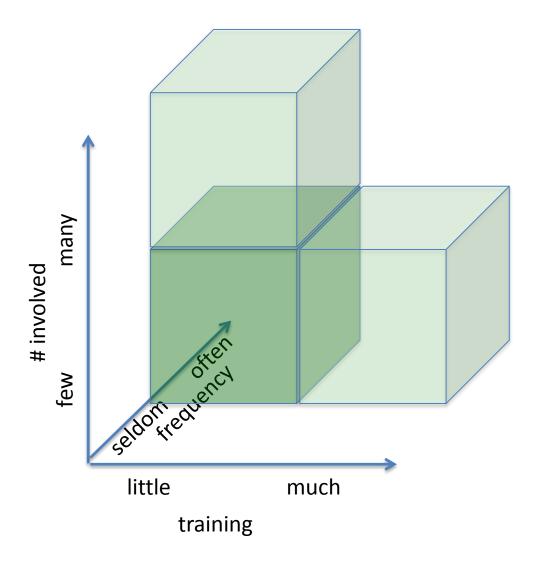
Onsite Public Engagement in Digitization—Digitization Blitzes and Blitz Kits

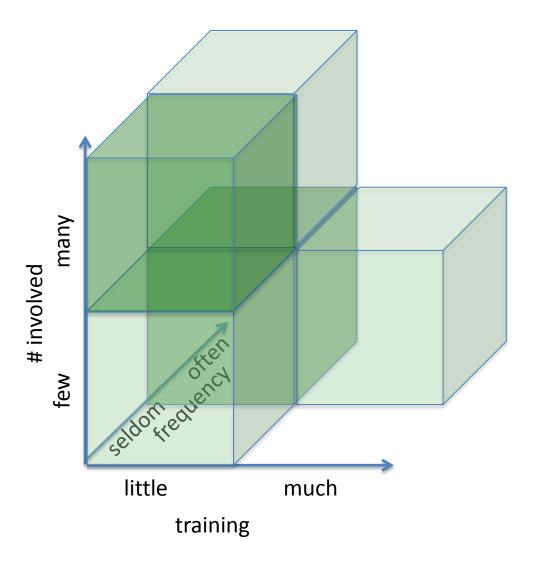
Austin Mast and Libby Ellwood

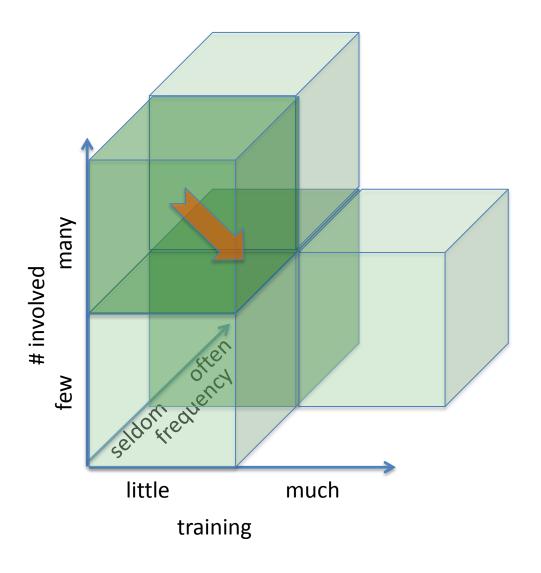
Dept. of Biological Science Florida State University

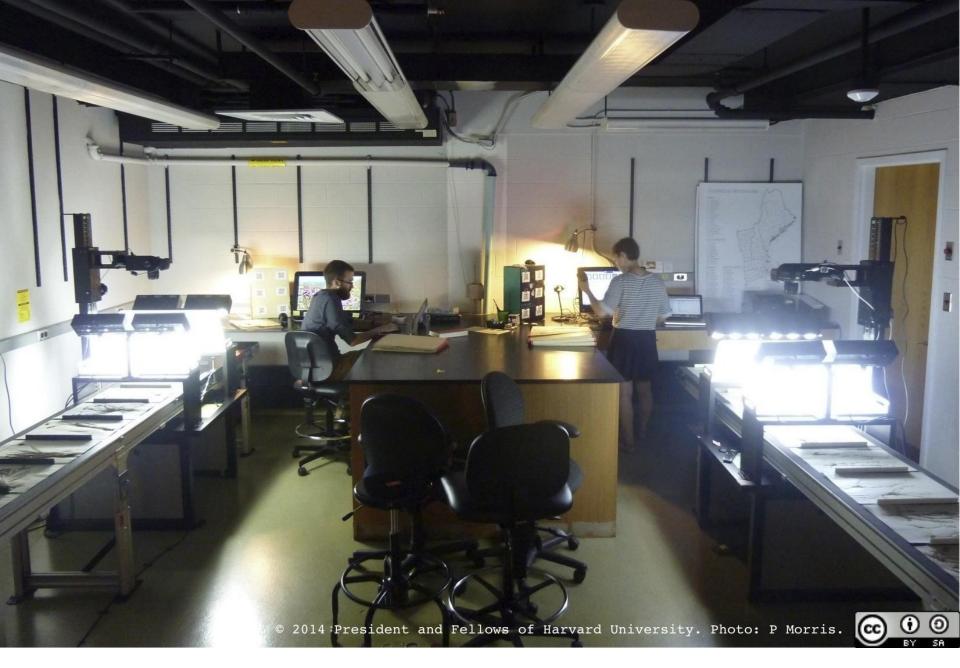














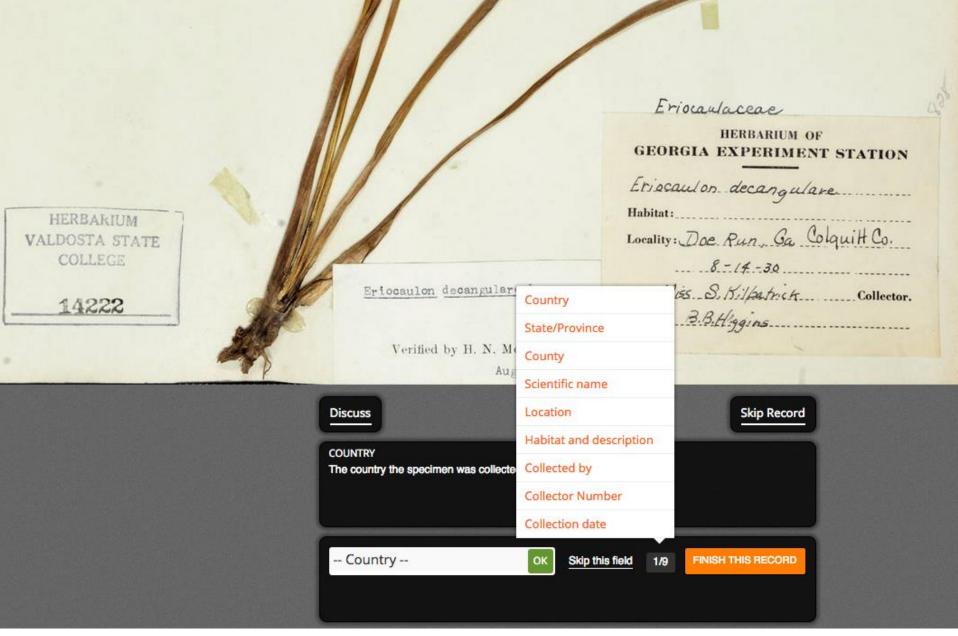


4. Archives available 1,085,807

7,262 Users contributing

http://www.notesfromnature.org/





http://www.notesfromnature.org/

2. Internet-scale engagement



Citizen Science Association

A community of practice for the field of public participation in scientific research.

Overview

Planning

Membership

Conference

Citizen Science 2015

February 11th-12th, San Jose, California, USA

Citizen Science 2015 was the inaugural conference of the Citizen Science Association (CSA). Over 600 people from 25 countries gathered for two days of building connections and exchanging ideas across a wide spectrum of disciplines and experiences.



Conference Information

CitSci2015 HOME

Conference Overview

- -- Program and Presentations
- -- Conference Flyer
- -- Themes

Call for Proposals [NOW CLOSED]

Prepare for the Conference

- -- Presenter Guidelines
- -- Registration [NOW CLOSED]
- -- AAAS Annual Meeting
- -- Location and Lodging

Support the Conference

Canforonce Place

http://citizenscienceassociation.org/



PPSK models:	Contributory	Collaborative	Co-Create
Define a question/issue			
Gather information			
Develop explanations			
Design data collection met	hods□		
Collect samples			
Analyze samples			
Analyze data			
Interpret data/conclude			
Disseminate conclusions			
Discuss results/inquire furt	her 🗆		

Source: Jennifer Lynn Shirk



Citizen Science

BSC 5936-04 Spring 2015

Time: Wed. 4-5pm; there will be an optional field trip on Saturday, Feb. 21.

Place: King Life Science Building, Room 4009

Instructors

Austin Mast amast@bio.fsu.edu 850-645-1500 Office: King 4065

Office Hours: Monday 9-11, and by appointment.

Libby Ellwood eellwood@bio.fsu.edu 631-428-8118 Office: King 4006

Office Hours: Wednesday 10-12, and by appointment.

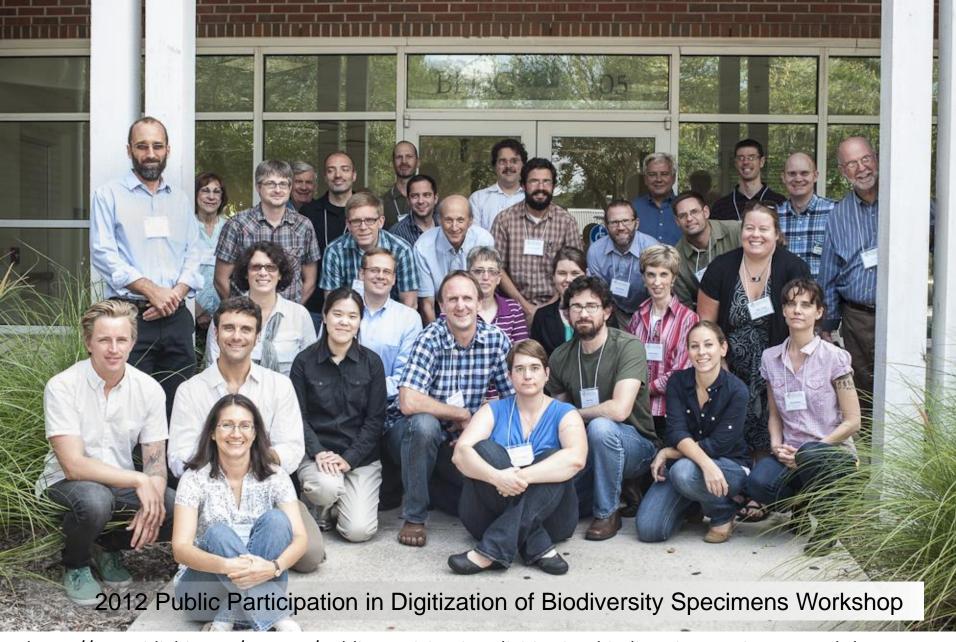
Websites

We will use a course Blackboard site at https://campus.fsu.edu for grades. Other materials will be posted on the course wiki page at https://www.idigbio.org/wiki/index.php/Citizen_Science/Course. We will use the Adobe Connect room at http://idigbio.adobeconnect.com/citizenscience-fsu/ for interactions between FSU and UF and for webinars.

Description

Citizen science involves the public in the generation of scientific knowledge. With a new professional society (http://citizenscienceassociation.org/) and an emerging journal, citizen science has reached a stage of





https://www.idigbio.org/content/public-participation-digitization-biodiversity-specimens-workshop-report



OXFORD

Accelerating the Digitization of Biodiversity Research Specimens through Online Public Participation

ELIZABETH R. ELLWOOD, BETTY A. DUNCKEL, PAUL FLEMONS, ROBERT GURALNICK, GIL NELSON, GREG NEWMAN, SARAH NEWMAN, DEBORAH PAUL, GREG RICCARDI, NELSON RIOS, KATJA C. SELTMANN, AND AUSTIN R. MAST

BioScience

A goal of the biodiversity research community is to digitize the majority of the one billion specimens in US control this ambitious goal requires increased collaboration and technological innovation and broader engagement beyon and museums. Engaging the public in digitization promises to both serve the digitizing institutions and further of biodiversity science. We discuss three broad areas accessible to public participants that will accelerate research transcription, georeferencing from locality descriptions, and specimen annotation from images. We illustrate eat tools, present best practices and standards, and identify gaps in our knowledge and areas for improvement. The fied digitization of biodiversity research specimens is in a growth phase with many emerging opportunities for scientists as well as broader communication with complementary projects in other areas (e.g., the digital humanities).





https://www.idigbio.org/content/citscribe-hackathon

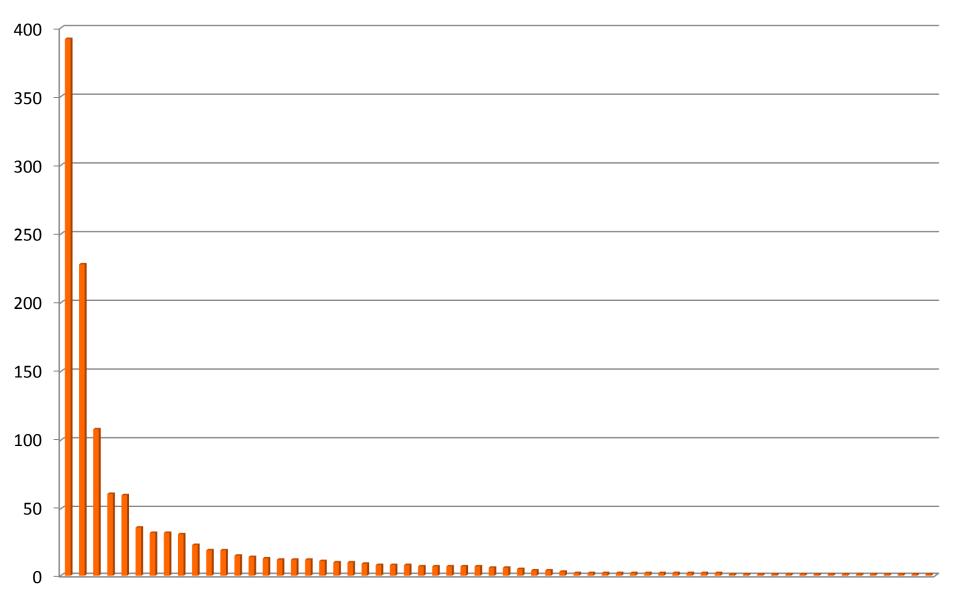




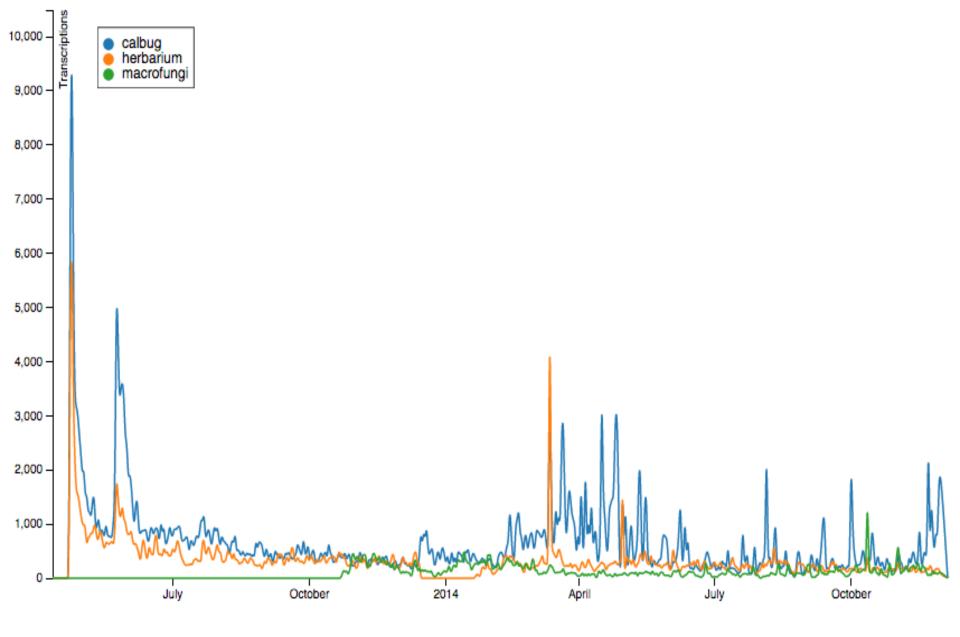
https://www.idigbio.org/content/sitch-stitch%E2%80%94-citstitch-hackathon



Number of Annotations by User in a Week in February, 2015













behavior

privacy & security

social web

innovation



science

Evolved Science: Crowds Can Catalog Bugs Faster

MARCH 11, 2014 4:00 PM ET

STAN JASTRZEBSKI





SHARE





http://www.npr.org/blogs/alltechconsidered/2014/03/11/289064040/evolved-science-crowdsourcing-makes-cataloging-bugs-faster









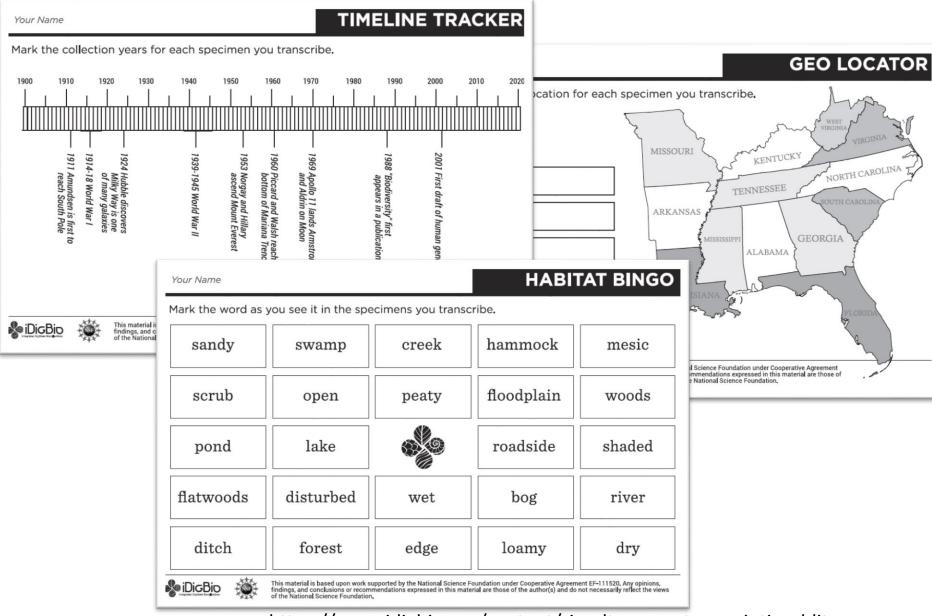
https://www.idigbio.org/content/idig%E2%80%99dbio-fsu%E2%80%99s-herbarium-imaging-blitz-success





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





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





Blazing a New Trail for Sustainability with Citizen Science Arts & Sciences





Supporter	Pledged Amount
Florida Native Plant Society, Magnolia Chapter	\$500
Gail Fishman	\$25

http://spark.fsu.edu/Projects/121/Blazing-a-New-Trail-for-Sustainability-with-Citizen-Science



Module 12: Organizing and Implementing a Public Participation Transcription Blitz

Task ID	Task Description	Explanations and Comments	Resources
T1	Identify expenses and funding source.	These might include snacks/drinks, artwork for event-branded items, event-branded items, and prizes for transcription games and/or raffle. Funds could include crowdfunding campaigns.	Crowdfunding sites (e.g., experiment.com).
T2	Identify specimens targeted for transcription.	Consideration might be made for how comp circumscriptio advertising ev example, in-st might be of gr local participa	dBio@
Т3	Identify source of information for transcription.	priyordar spec	t K. Godfrey Herbarium state University
T4	Determine if specimens	For example, if the source of	Predigitization





https://www.wedigbio.org/



GROUPS / HERBARIUM / FLORIDA PLANT HOTSPOT DIGITIZATION BLITZ

Project:

Florida Plant Hotspot Digitization Blitz

Build a dataset for a biodiversity hotspot—help FSU's Godfrey Herbarium digitize its local plant specimens.

Project Url: Florida Plant Hotspot Digitization Blitz

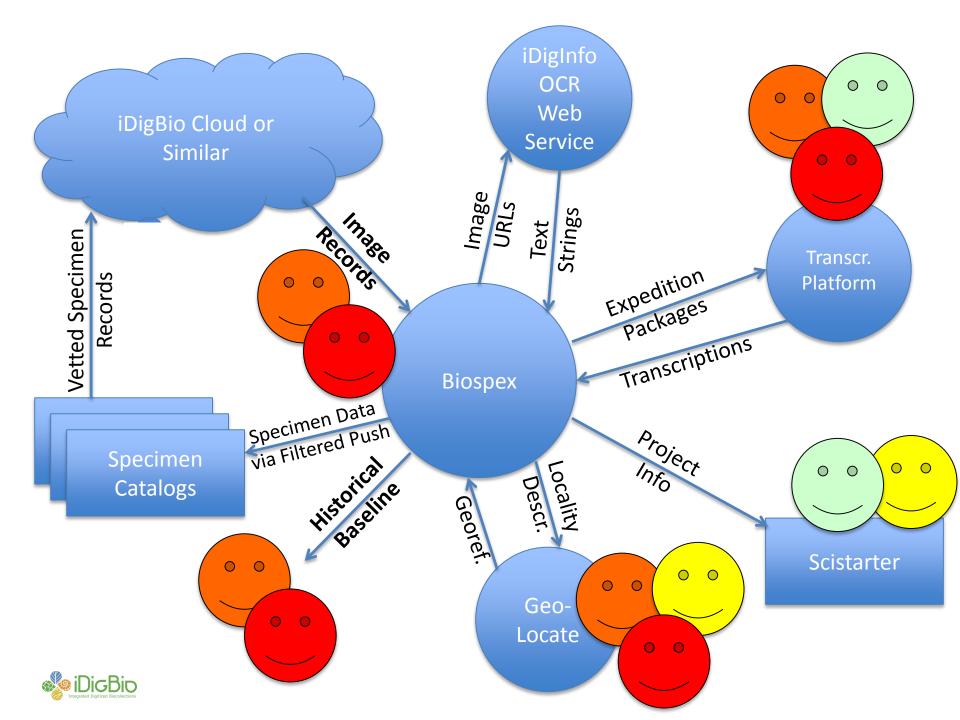


Expeditions:

+ Create

Title	Description	Created	Subjects	Incomplete Complete Percent Complete	Options
Time-traveller #1	These pre-1900 specimens document the flora during Florida's first 55 years of statehood.	10/24/2014	800	Processing not been started.	◎ → ◎
Apalachicola National Forest #1	These specimens are all from Florida's largest national forest at the heart of a continental biodiversity hotspot.	10/24/2014	800	Processing not been started.	◎ → ◎ ◎
The collections of Robert K. Godfrey #1	These are the collections of Robert K. Godfrey, a prolific collector of the mid- 1900s. The herbaria at both Florida State University and Tall Timbers Research Station are named for Godfrey, as are a number of Florida's plant species.	10/24/2014	800	Processing not been started.	⇒♦⊗





Many in the iDigBio, Notes from Nature, WeDigBio, and the FSU Robert K. Godfrey Herbarium communities.

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.



iDigBio Education & Outreach (E&O)

Bruce J. MacFadden
Co-PI & Director of Education and Outreach
Curator of Vertebrate Paleontology
Florida Museum of Natural History



Cyber-enabled Graduate Seminars Digitization, Broader Impacts, Citizen Science





Women in Science and Engineering Science Spring Camp





Broadening Representation

iDigBio Visiting Scholars program--Early career professional development



2012 Anna Monfils, Central MI Univ.



2013
Corey Toler—Franklin,
Now UF Faculty in
Engineering





Libraries of Life

More to specimens than meets the eye





SPLASH SCREEN



Front and back of Target Card



Libraries of Life

more to specimens than meets the eye...





Libraries of Life



MYCOLOGY COLLECTIONS PORTAL

The Mycology Collections data Portal (MyCoPortal) is a user-friendly, web-based database that aids taxonomists, field biologists, ecologists, educators, and citizen scientists in the study of fungal diversity. The data are derived from a network of universities, botanical gardens, museums, and agencies that provide taxonomic, environmental, and specimen-based information, identification keys, all linked with a rich collection of digital imagery documenting fungal diversity of North America. http://mycoportal.org/portal/index.php

- Download the Junaio app onto your Apple or Android mobile device from www.junaio.com/download/
- Launch the app.
- SCAN the code to access AR channel.
- Hold your mobile device camera about 6 inches away from Flashcard.
- Click buttons to view content.





Developed by the BIOTA3D Lab at BioKIC (Biodiversity Knowledge Integration Center) Arizona State University in collaboration with iDigBio and the ARPO (Augmented reality for public outreach) Working Group. Project Leads: Anne Basham and Austin Mast with graphic design by Jeremy Spinks. 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 nnenecessarily nnecessarily reflect the views of the National Science Foundation. This work is licensed under the Creative Commons (CC BY-NC-SA 4.0) License. To view a copy of the license visit https://creativecommons.org/licenses/by-nc-sa/4.0/



Daisy Earthstar Geastrum floriforme









