Leveraging the Symbiota Support Hub for **Biodiversity Data Mobilization**



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Symbiota Support Hub

Data Mobilization Efforts

What is Symbiota?

Open Source Software

What is Symbiota?

Biodiversity data aggregator

Open Source Software

 Themed "portals" containing data from multiple sources

What is Symbiota?

- Community-managed
- Data "snapshots" and live-managed data

Biodiversity data aggregator

Open Source Software

What is Symbiota?

Biodiversity Content data Management + aggregator **System Open Source Software** https://github.com/BioKIC/Symbiota

What is Symbiota?

Biodiversity data aggregator Content

Management

System

Open Source Software

- Web-based data entry and editing interface
- Data cleaning and curation tools
- Supports multiple, remote users

 Consortium of Small Vertebrate Collections



- Gabon portal
- Guatemala portal
- Minnesota Biodiversity Atlas





- Bryophyte Portal
- CCH2
- PteridoPortal
- SEINet Network (15 regional portals!)

InvertEBase





- Lichen Portal
- MyCoPortal





- Bee Library
- Ecdysis
- SCAN



Search

Images

Species Checklists

Home

Ferns, lycophytes, and their extinct free-sporing relatives

Acknowledgements



Welcome Katie! My Profile Logout Sitemap

Welcome to the data portal for the Pteridophyte Collections Consortium (PCC)! Pteridophytes (ferns, lycophytes, and their extinct seed-free relatives) are a diverse group of plants that today comprises approximately 12,000 species and plays a major role in terrestrial ecosystems. Pteridophytes were even more important in the past, especially before the evolution of the gymnosperms and the flowering plants. This group of land plants was the

Contacts

Crowdsource

first to evolve roots and leaves, the first to colonize drier habitats, and the first to form forests.

Historically, the research communities interested in living pteridophytes and those studying the fossil ones were largely separate from each other. The extant and fossil specimens were housed in different facilities (herbaria and paleontological museums, respectively) and their researchers often worked in different departments. The PCC was created to promote the integration of these communities by bringing together specimen data and associated resources for both living and fossil pteridophytes.

This portal provides one-stop access to digitized fossil and herbarium pteridophyte specimens, and their associated data. Initially these data will be from the collections of our core 36 PCC member institutions. However, in the future we hope to include collections from new PCC-affiliated institutions, and to partner with other institutions worldwide to serve their data through the PCC portal.

For more information about pteridophytes or the PCC, please visit our <u>PCC website</u> and follow us on Facebook and Twitter.

Search Taxon	
Search	



Bell Museum

Collections



The Technical Aspect of Data Mobilization

Data Mobilization Tools

What is Symbiota?

Public search portal (mini-aggregator)

Symbiota Portals

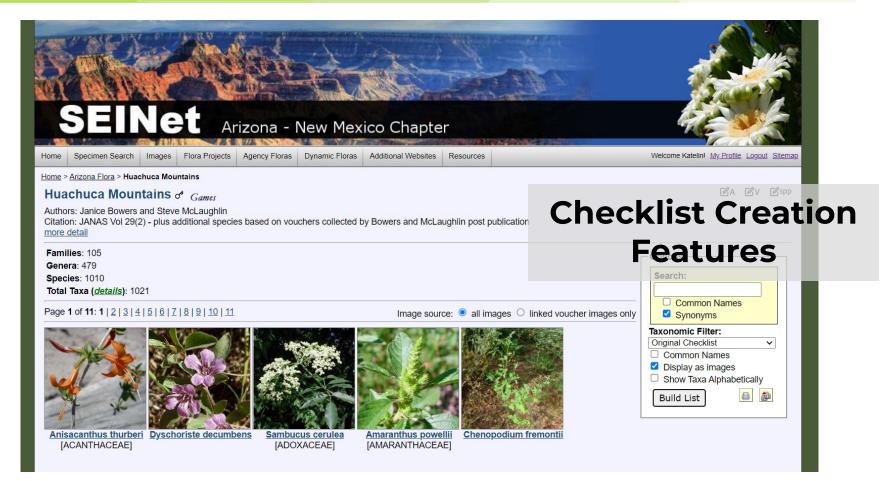
Data Mobilization Tools

Symbiota
Support Hub

Data Mobilization Efforts

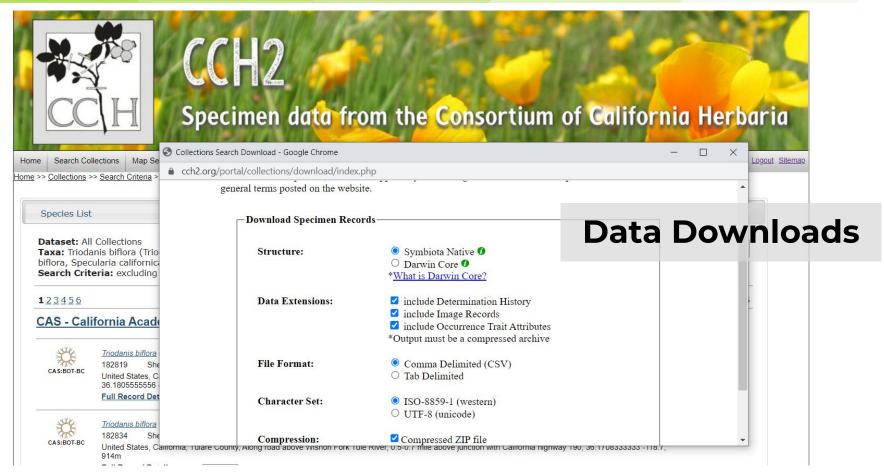


Data Mobilization Efforts



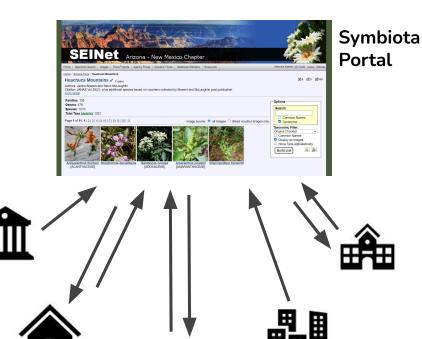
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Support Hub

Data Mobilization Efforts



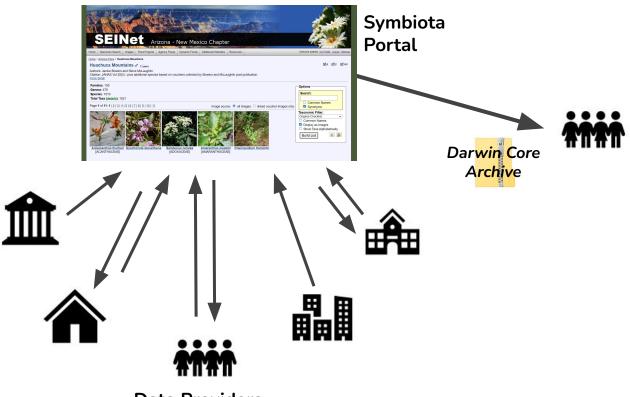
Data Mobilization Tools

- Public search portal (mini-aggregator)
- Easy export and publishing functions



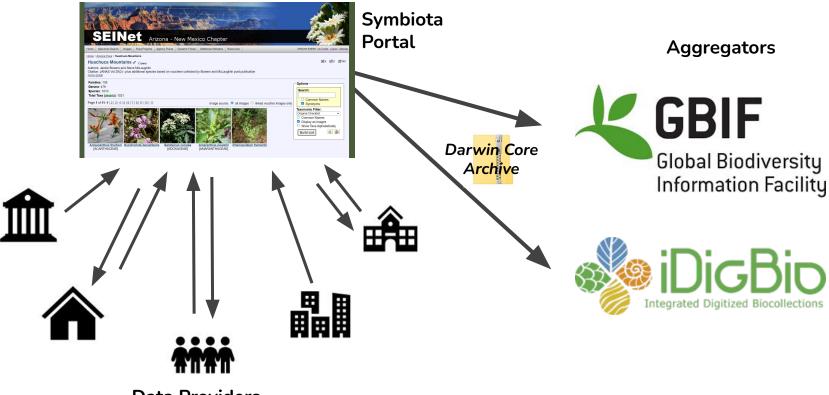
Symbiota Support Hub

Data Mobilization Efforts



Symbiota Support Hub

Data Mobilization Efforts



Symbiota Portals

Data Mobilization Tools

Symbiota Support Hub **Data Mobilization Efforts**



Get data

Tools

About







kdpearso

OCCURRENCE DATASET | REGISTERED MARCH 26, 2019

Duke University Herbarium Bryophyte Collection

Published by Duke University Herbarium

DATASET ACTIVITY **♣** DOWNLOAD 107 CITATIONS The L. E. Anderson Bryophyte Herbarium includes approximately 260,000 specimens, of which some 220,000 are Publication date: September 1, 2022 mosses. With about 50,000 moss collections from the southeastern United States, the DUKE collection is one of, if not Metadata last modified: September 1, 2022 the most important, resource for documenting the southeastern moss flora. Important collections of bryophytes Hosted by: Symbiota Support Hub include those of L.E. Anderson, H.L. Blomquist, M. Crosby, A.J. Grout, B.D. Mishler, W.B. Schofield, R. Schuster, A.J. Licence: CC BY-NC 4.0 Shaw, 48 bryophyte exsiccatae collections, and over 900 bryophyte type specimens. How to cite DOI 10.15468/bgfxdc 173,867 99.9% 93% Occurrences With taxon match With coordinates With year 84,562 GEOREFERENCED RECORDS

The Social Aspect of Data Mobilization

Symbiota Support Hub

What is Symbiota?

 Support team & infrastructure services to support Symbiota portals and their communities

Symbiota Support Hub Team



Greg Post













Lindsay Walker Community Manager



Nico Franz Management @ASU



Ed Gilbert IT Management Lead



- Documentation and help services
 - Help Desk: help@symbiota.org
 - Help & Tutorials: symbiota.org/docs
 - Discussion and Q&A board:
 - https://github.com/BioKIC/symbiota-docs/discussions

Symbiota Portals

Data Mobilization Tools

Symbiota Support Hub

Data Mobilization Efforts

Symbiota Docs

HOME ABOUT

FAQ CITING THE DOCS

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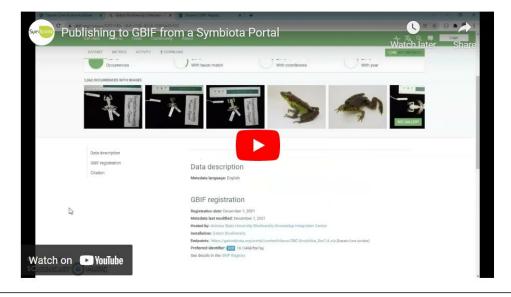
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DOCS ▼

as a Publisher

- Publishing Data to GBIF
- Publishing Data to iDigBio
- Redacting / Obscuring Data
- Downloading a Copy of your Database
 - Download a Subset of Data (Exporter)
- Duplicate Clustering
- Deleting Records
- Editing Occurrences
 - Batch OCR
 - Batch Editing
- Editing Collection Metadata and Contact Info
- Georeferencing
 - GEOLocate CoGe
- Images

- 5. Before you can submit data, you will need to contact GBIF help desk (helpdesk@gbif.org) and request for the portal's GBIF user account to be given permission to create and update datasets within your institution's publishing instance. The GBIF username associated with the Symbiota portal installation is displayed in paragraph above the Submit Data button. Click on the GBIF email address to automatically generate a message within your email client.
- 6. Once you hear back from GBIF affirming that the portal has permission to submit data to your publisher, click the Submit Data button. A link to your GBIF dataset will be immediately displayed, though it may take an hour or so for your data to be loaded, indexed, and available.



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- Portal Advancement Campaigns: focused, month-long efforts to increase data quality and mobilization in a Symbiota community

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 - Data cleaning help and training

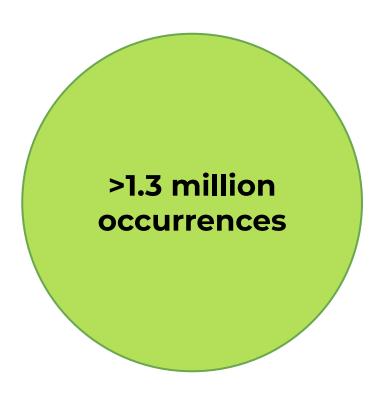
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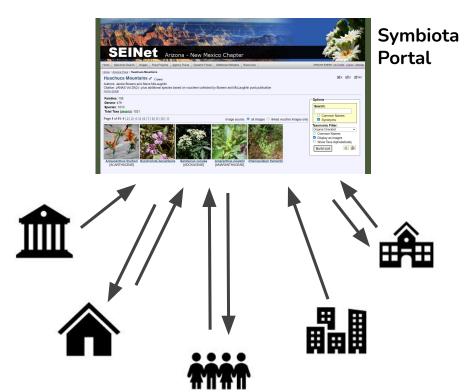
Added to GBIF since February 2022



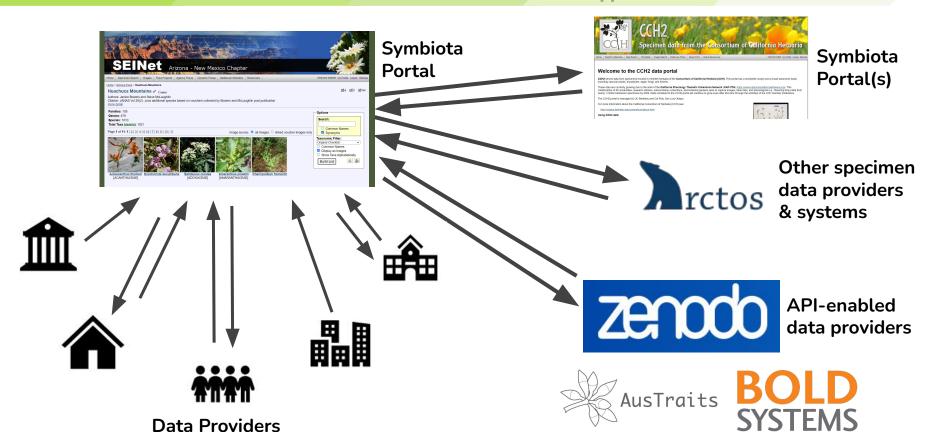
- Documentation and help services
- Portal Advancement Campaigns
- API development

Symbiota API

 Enhanced automated communication between Symbiota portals and other data sources with API capabilities



& Data Users



Learn more at symbiota.org

help@symbiota.org











