Data Downloads: Overview and Portals

Makenzie Mabry
Pam Soltis
University of Florida

FLORIDA MUSEUM

UF | UNIVERSITY of FLORIDA

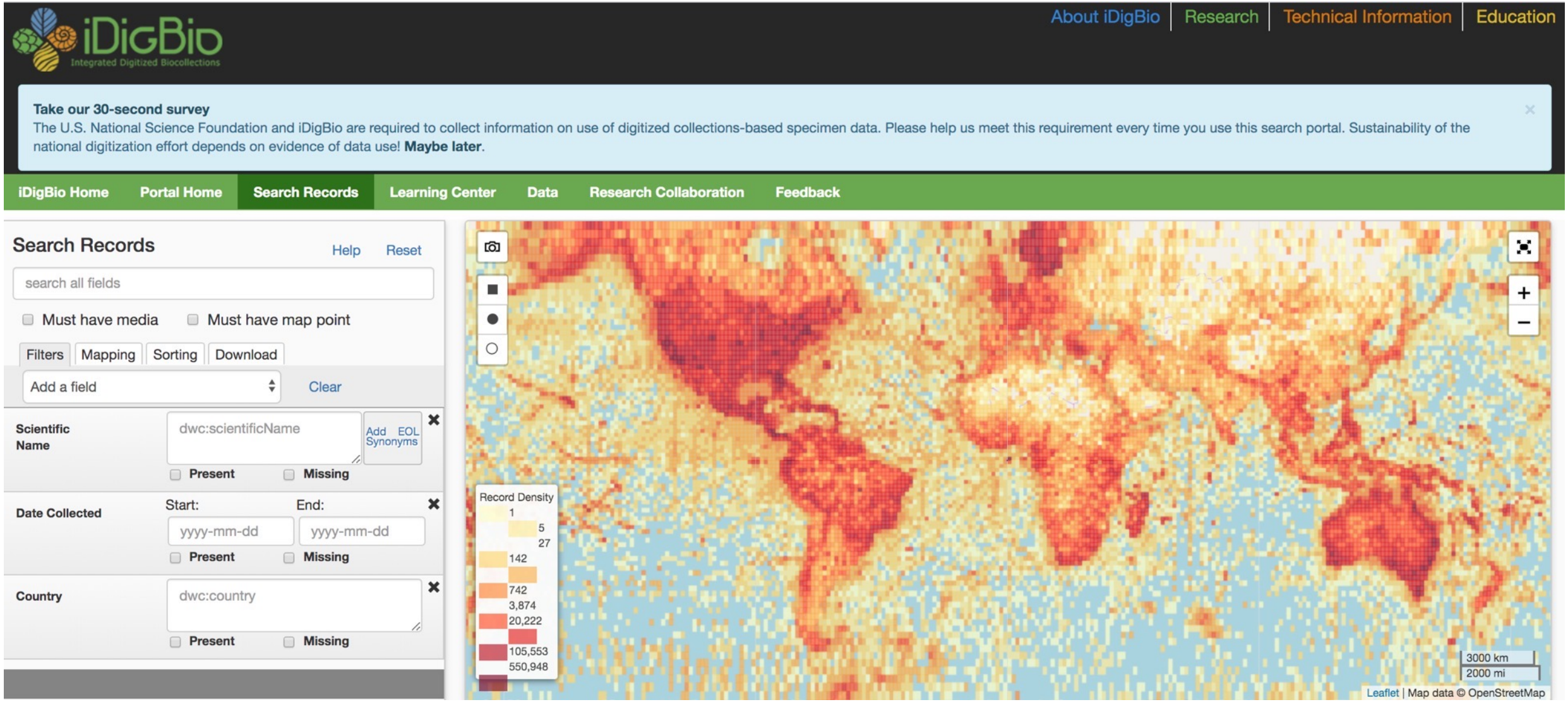
iDigBio
Integrated Digitized Biocollections

NSF

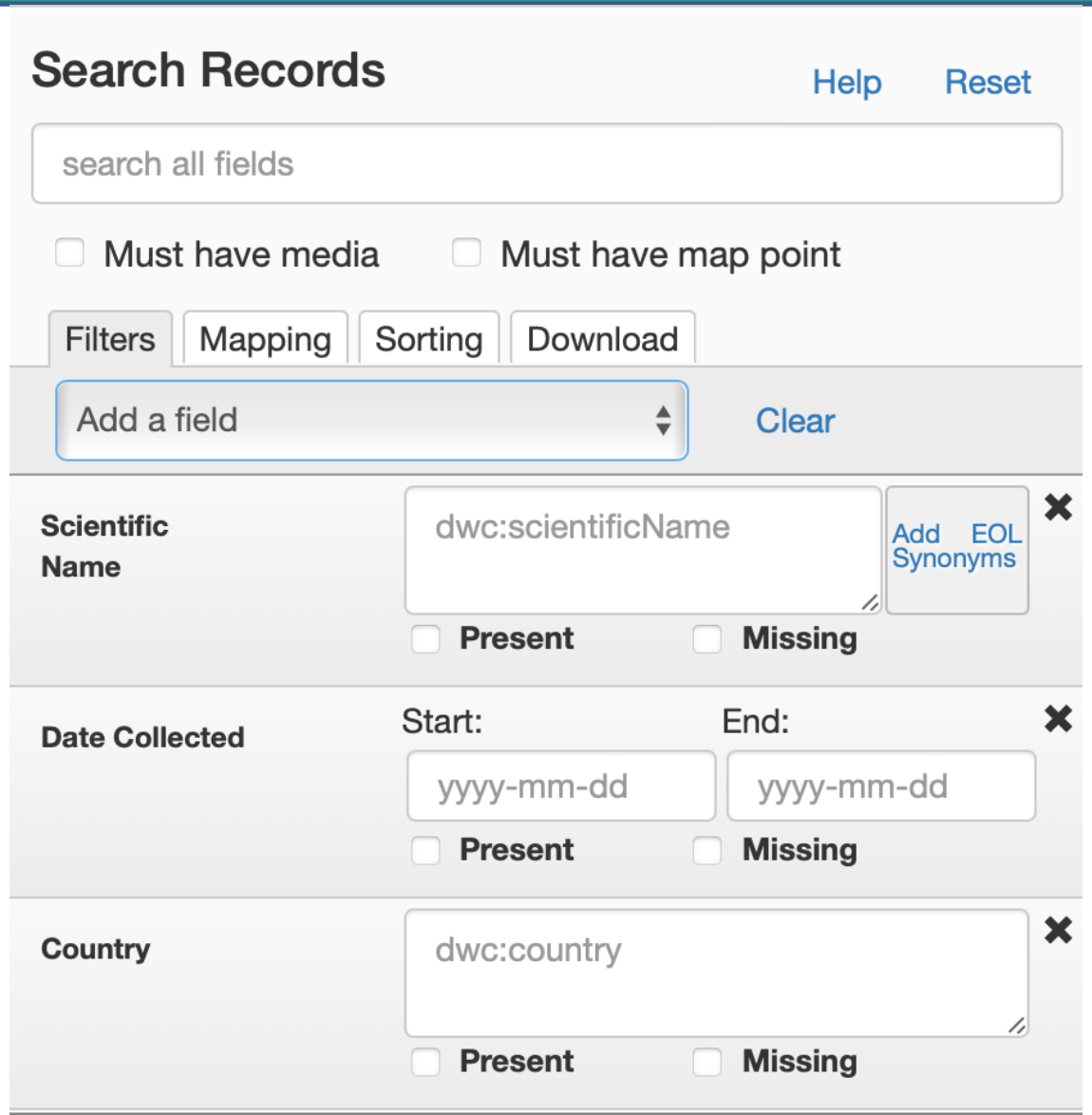
BiotaPhy

iDigBio: A Source for Specimen Records

Search the iDigBio Portal



Search the iDigBio Portal – Specify Search Criteria



Search the iDigBio Portal – Specify Search Criteria

Red Maple

Acer rubrum

Search Records

Help Reset

search all fields

Must have media Must have map point

Filters | Mapping | Sorting | Download

Add a field Clear

Scientific Name

Acer rubrum

Add EOL Synonyms

Present Missing

Date Collected

Start: End:

yyyy-mm-dd yyyy-mm-dd

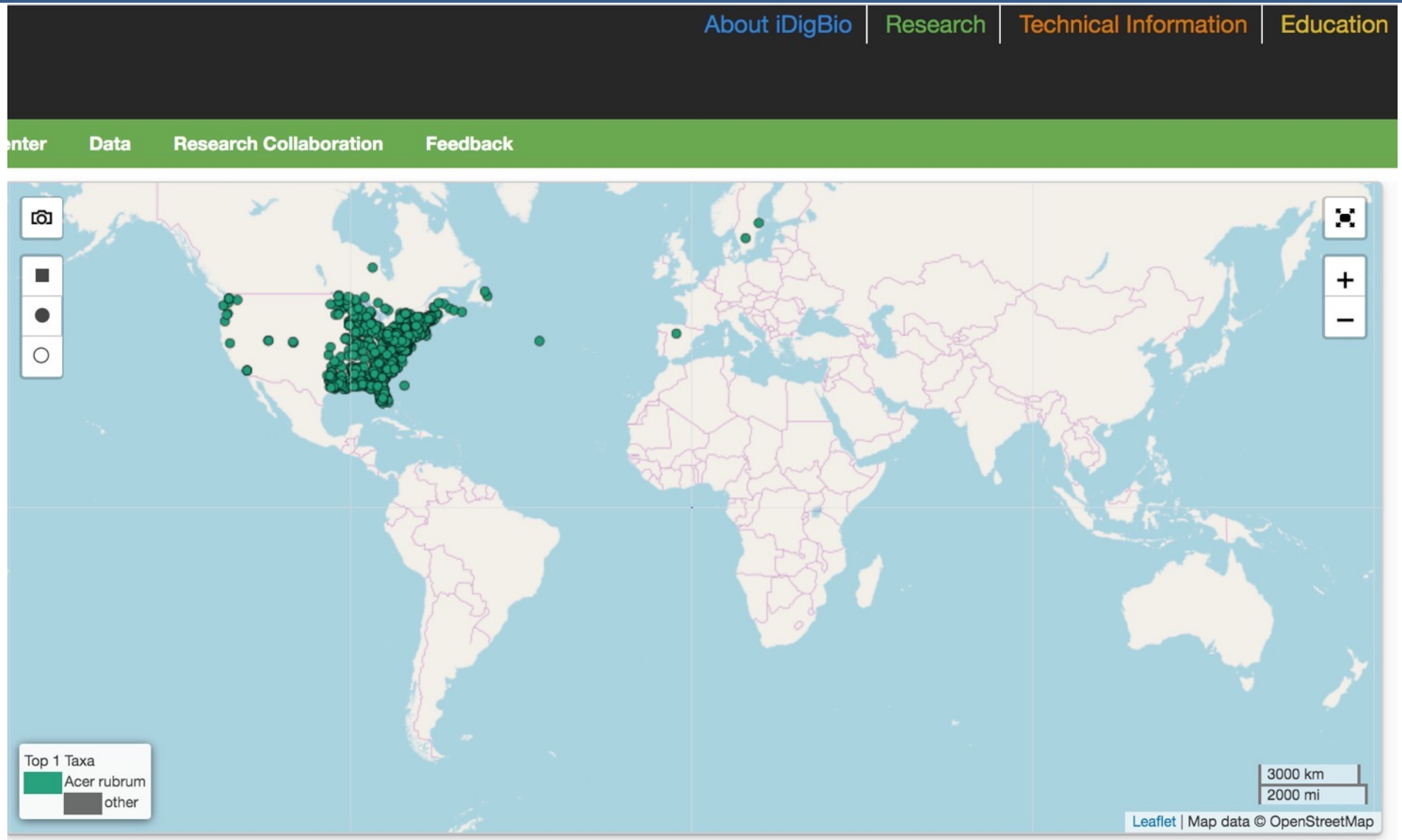
Present Missing

Country

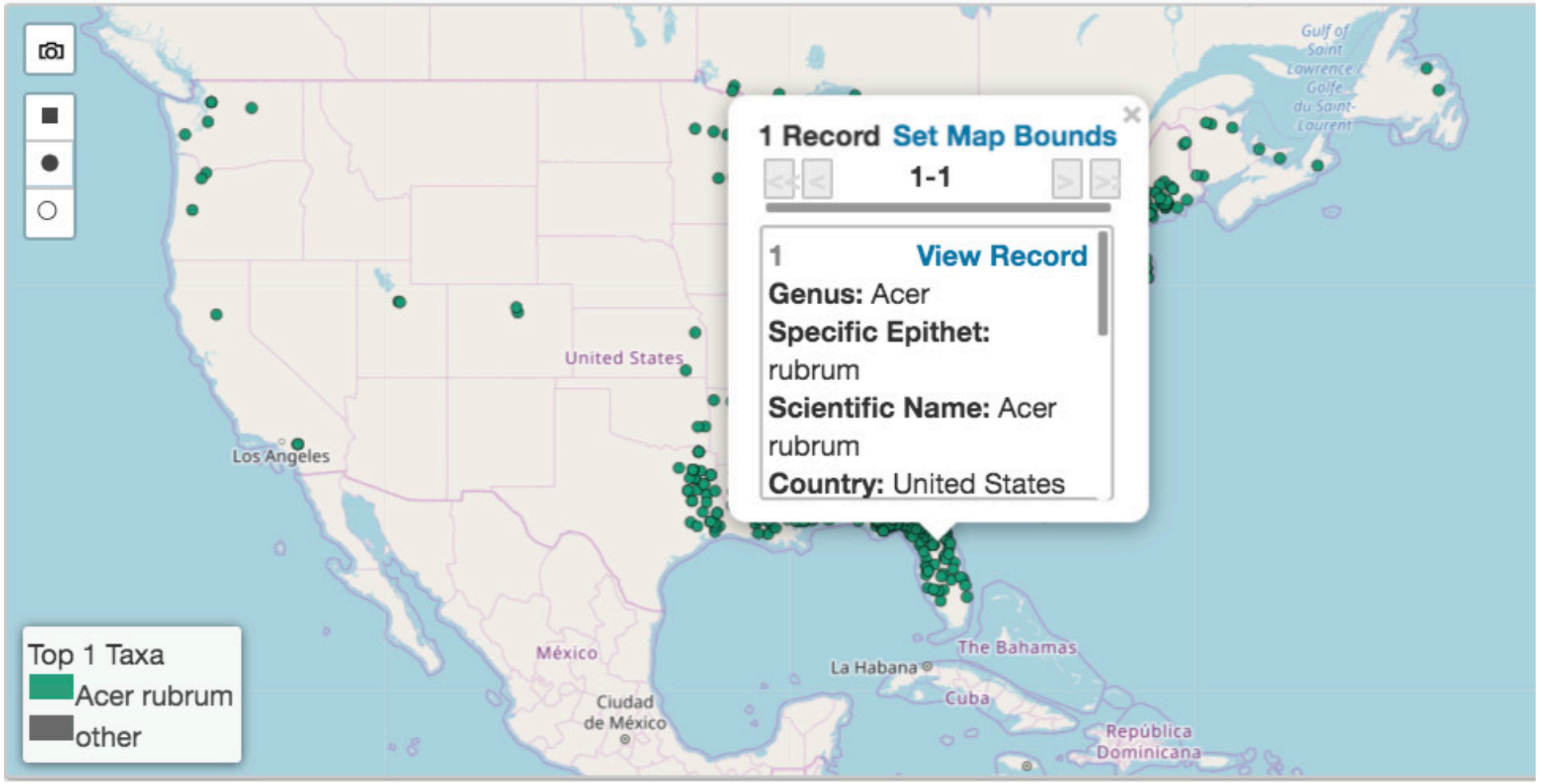
dwc:country

Present Missing

Search the iDigBio Portal – Results



Search the iDigBio Portal – Record Summary



Search the iDigBio Portal – Specimen Record

Learning Center | Data | Research Collaboration | Feedback

Specimen Record

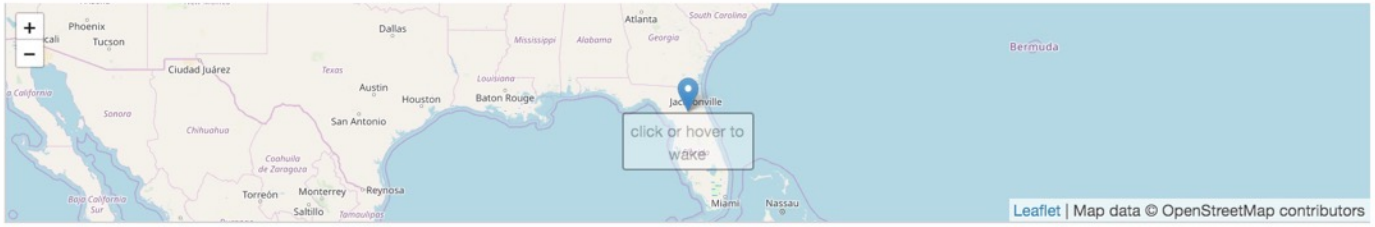
Plantae > Tracheophyta > Magnoliopsida > Sapindales > Sapindaceae

Acer rubrum Linnaeus

From Robert K. Godfrey Herbarium at Florida State University

Continent	North America	Institution Code	Fsu
Country	United States	Collection Code	Fsu
State/Province	Florida	Catalog Number	000002503
County/Parish	Marion	Collected By	Cecil R Slaughter
Locality	Adjacent To Orange Creek Along The Putnam And Marion County Line; At The End Of Nw 77th Tr Road; 1 Mile Nw Of Sr 308.	Date Collected	2001-03-15
Latitude	29.492548000000003		
Longitude	-82.04131472		

Contents
- Summary
- Map
- Media
- Attribution
- Citation
- All Data



Media

From Recordset

Robert K. Godfrey Herbarium at Florida State University

http://herbarium.bio.fsu.edu/

Florida State University's Robert K. Godfrey Herbarium is a museum-quality collection of over 220,000 plant and microalgae specimens. These document the distribution and natural variation of the 2,400 species of flowering plants, ferns, conifers, and cycads found in northern Florida-one of North America's biodiversity hotspots-and the microalgae of Florida's Gulf and Atlantic coasts. Each plant specimen is carefully identified, pressed, dried, and mounted to archival standards, with accompanying data on where and when it was collected. The specimens are a valued resource to local, state, national, and international biologists studying plant and microalgae systematics, ecology, evolution, biogeography, conservation biology, anatomy, and morphology. New specimens are added to the collection each week. As of May 2014, the collection includes all specimens from Stetson University's Herbarium (DLF). In August 2003, Austin Mast became the new director of the herbarium. Though now retired, Loran Anderson remains active in the herbarium. The current curator is Chris Buddenhagen. In August of 2003 the Robert K. Godfrey Herbarium set up a digital imaging system and SQL database. Currently 79,705 of our 220,000+ specimens have been entered into the herbarium's database. In late 2010, Tall Timbers Research Station's Herbarium began serving specimen data and images on this site as well. Currently, data and images for 10,344 of Tall Timbers Research Station's 10,000+ herbarium specimens are being served. Specimen images and data from both institution's can be searched by following the database links on our menu or by clicking here.

Search the iDigBio Portal – Link to Media Record (Image)

Media Record

Plantae > Tracheophyta > Magnoliopsida > Sapindales > Sapindaceae

Acer rubrum Linnaeus view specimen record

From Robert K. Godfrey Herbarium at Florida State University

Media retrieved from:
http://herbarium.bio.fsu.edu/showimage.php?Image=images/herbarium/jpegs/000002503.jpg

Open in browser

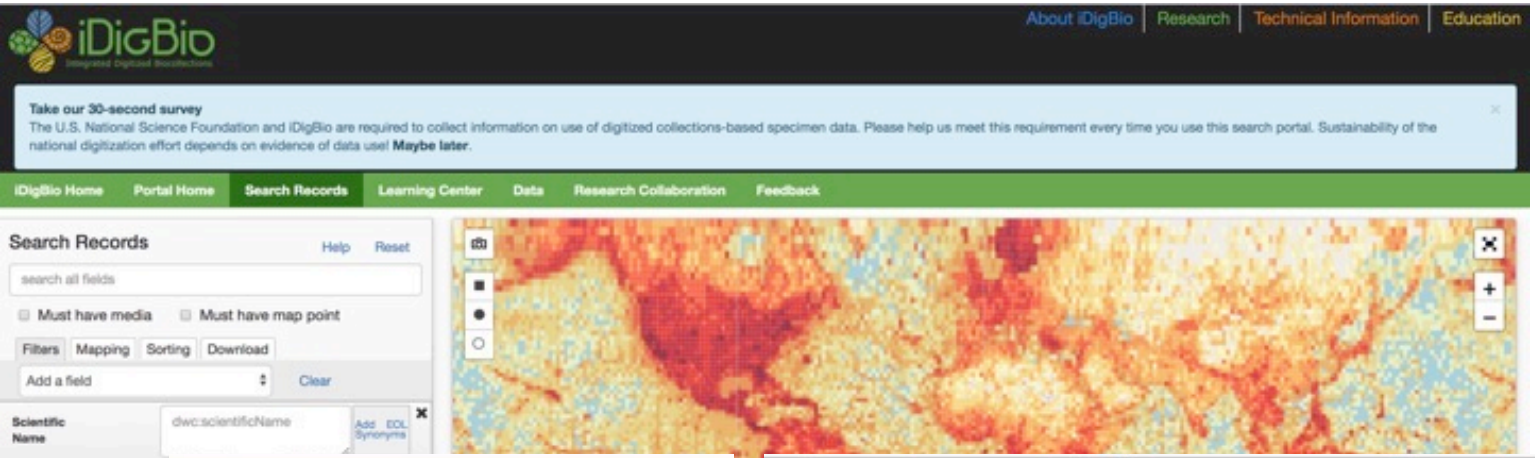
Download File

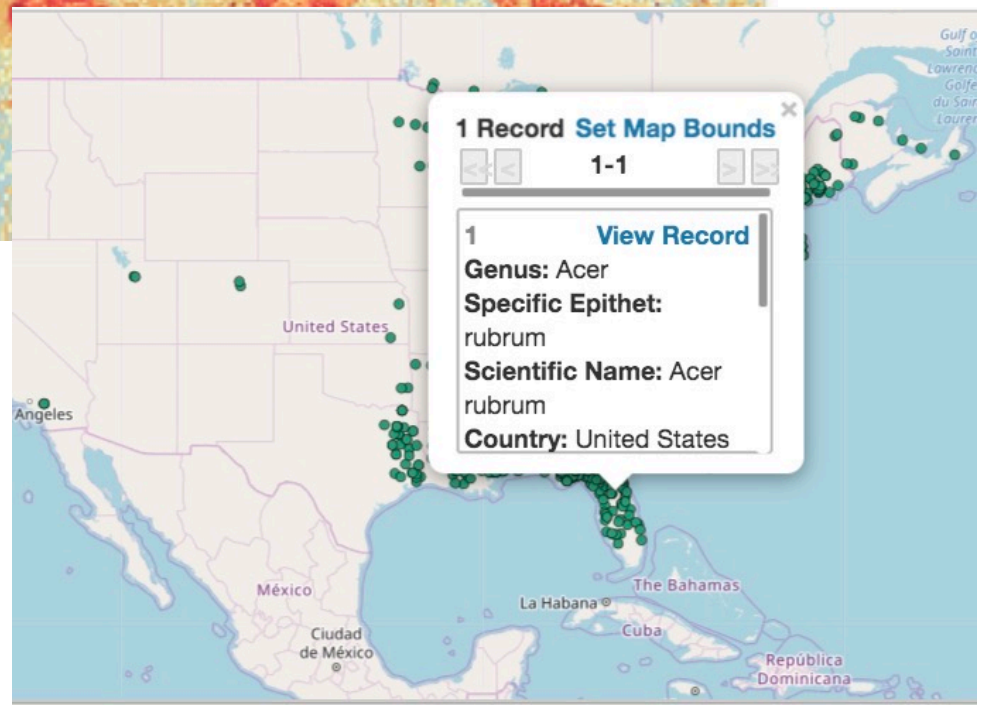
From Recordset

Robert K. Godfrey Herbarium at Florida State University

http://herbarium.bio.fsu.edu/

Each Location has associated Ecological Information



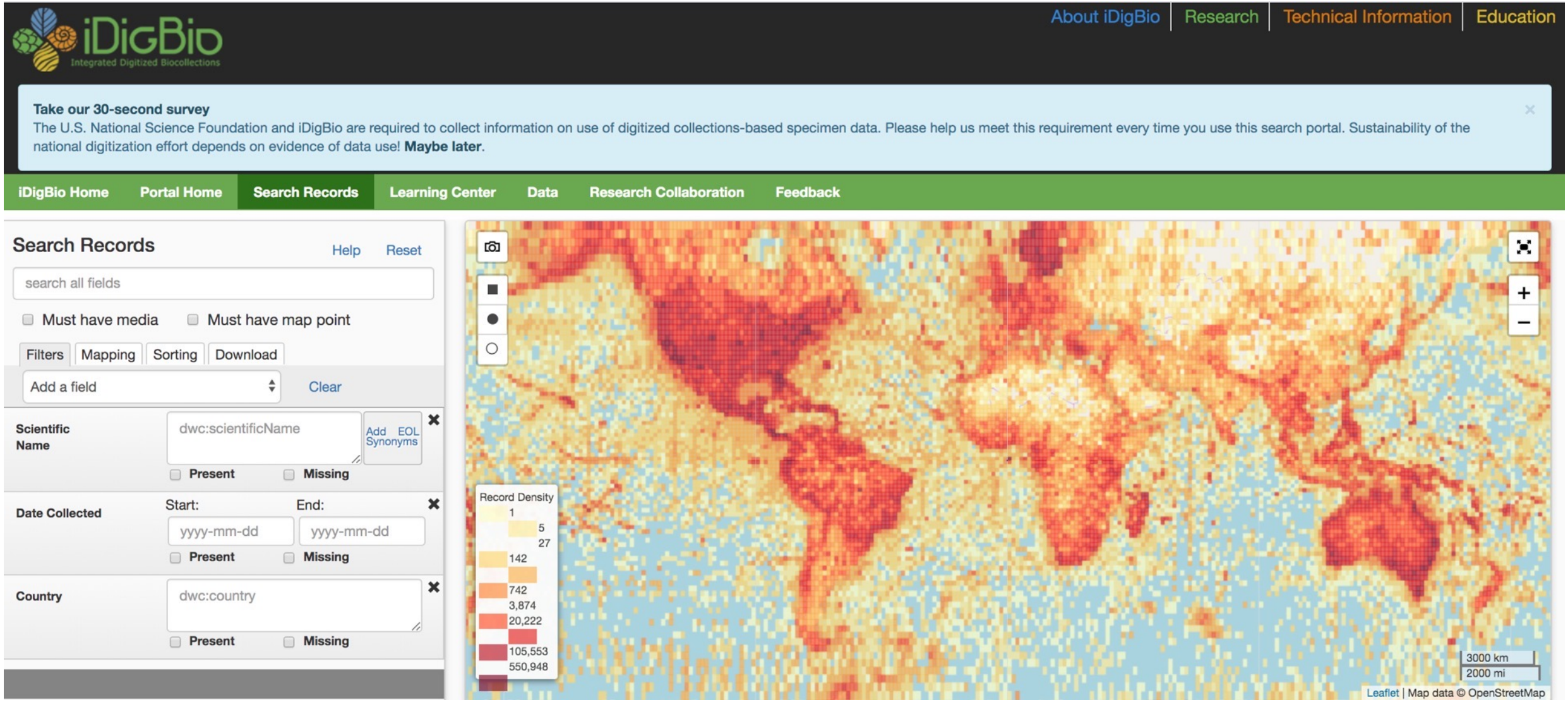


Temperature
Precipitation
Soil type
Soil Chemistry

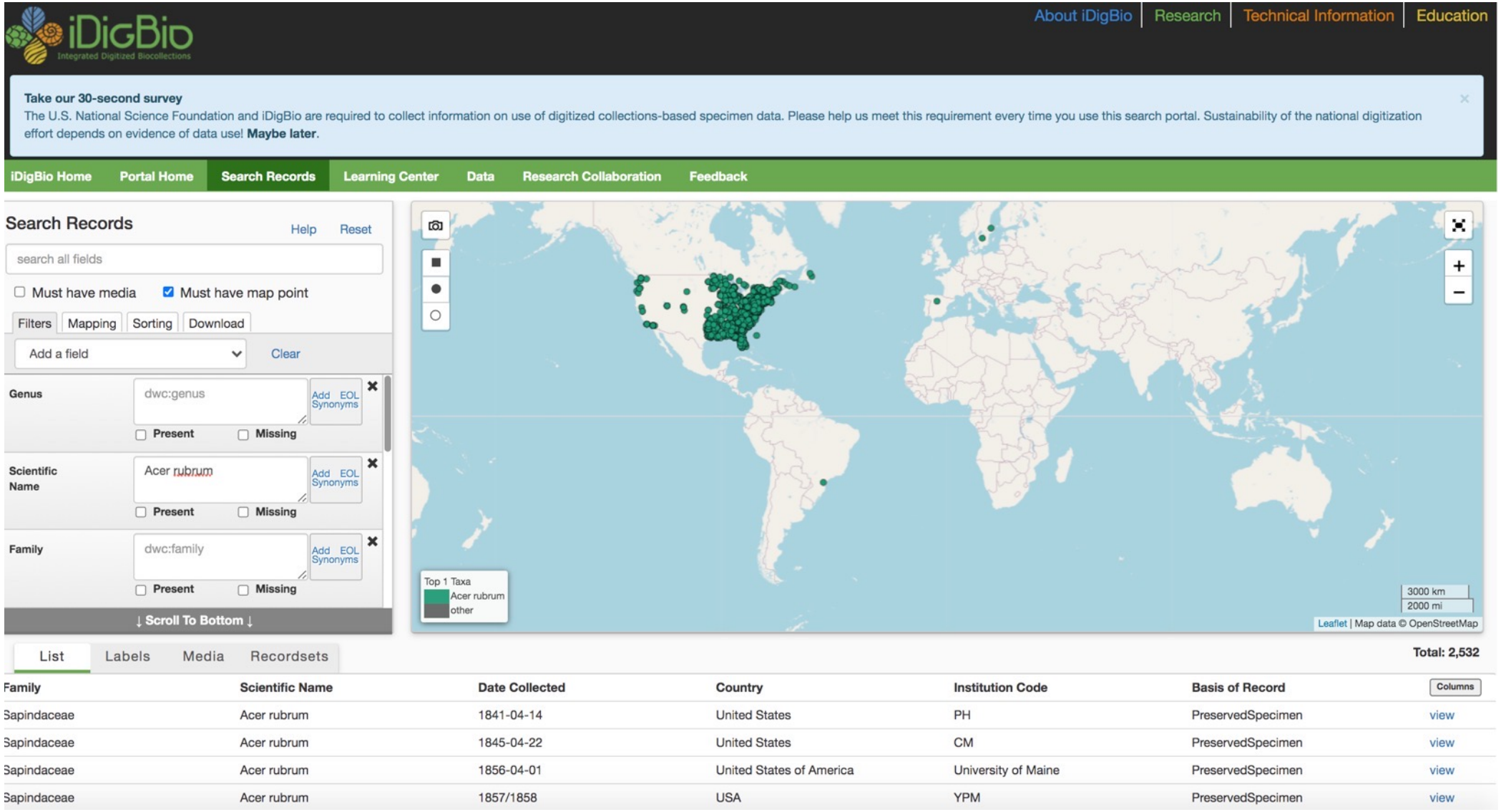
WorldClim - Global Climate Data

Free climate data for ecological modeling and GIS

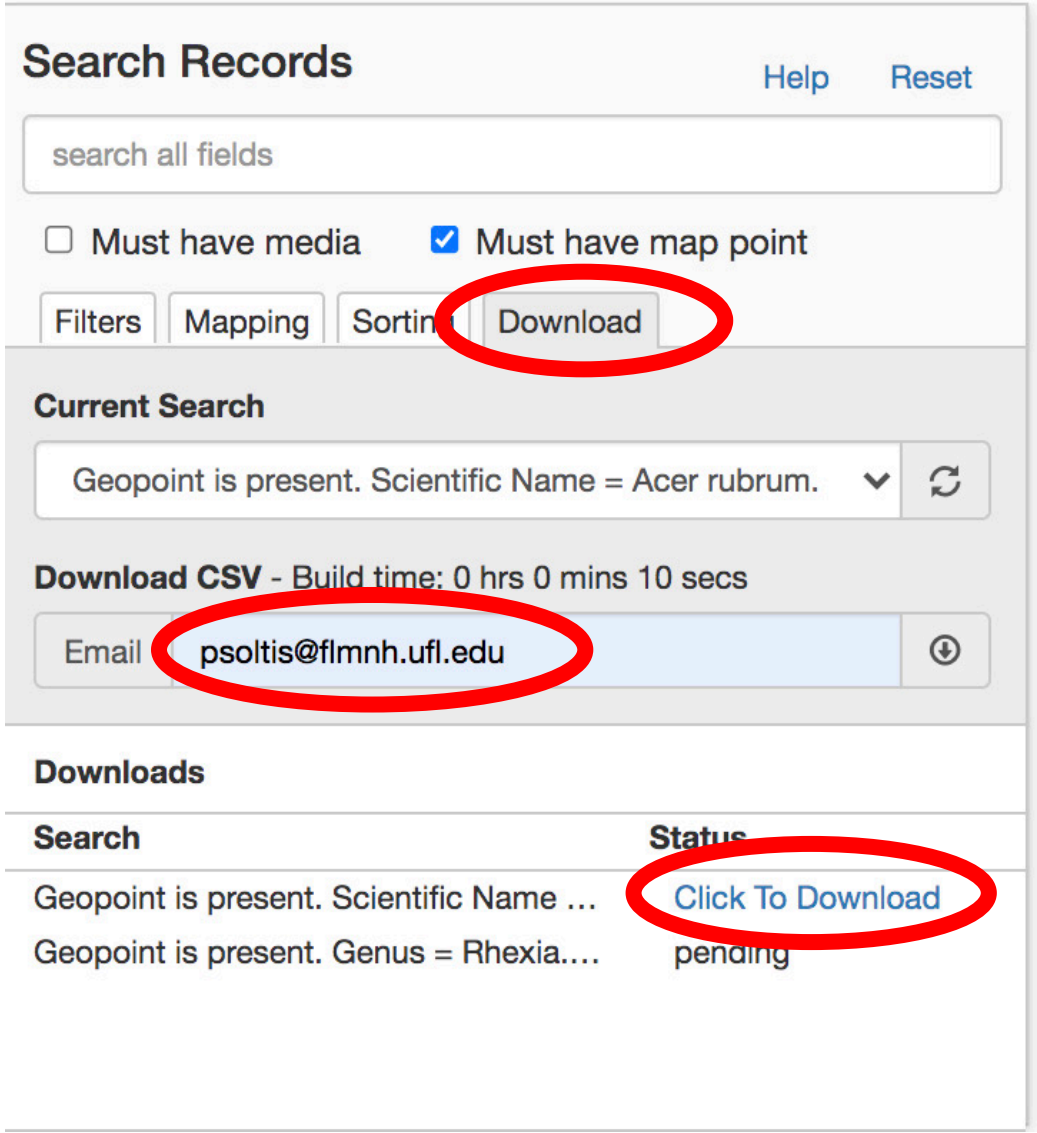
Search the iDigBio Portal



Search the iDigBio Portal: List of Data Records



Search the iDigBio Portal: Download csv



Search the iDigBio Portal: Email Download Link

iDigBio Download Ready

D

data@idigbio.org <data@idigbio.org>
Soltis,Pamela S
Saturday, July 17, 2021 at 6:33 PM
Show Details

The download you requested from iDigBio is ready and can be retrieved from:

http://s.idigbio.org/idigbio-downloads/2ff9cd25-01bf-4f78-b82f-7c1f4e5d6a46.zip

The query that produced this dataset was:

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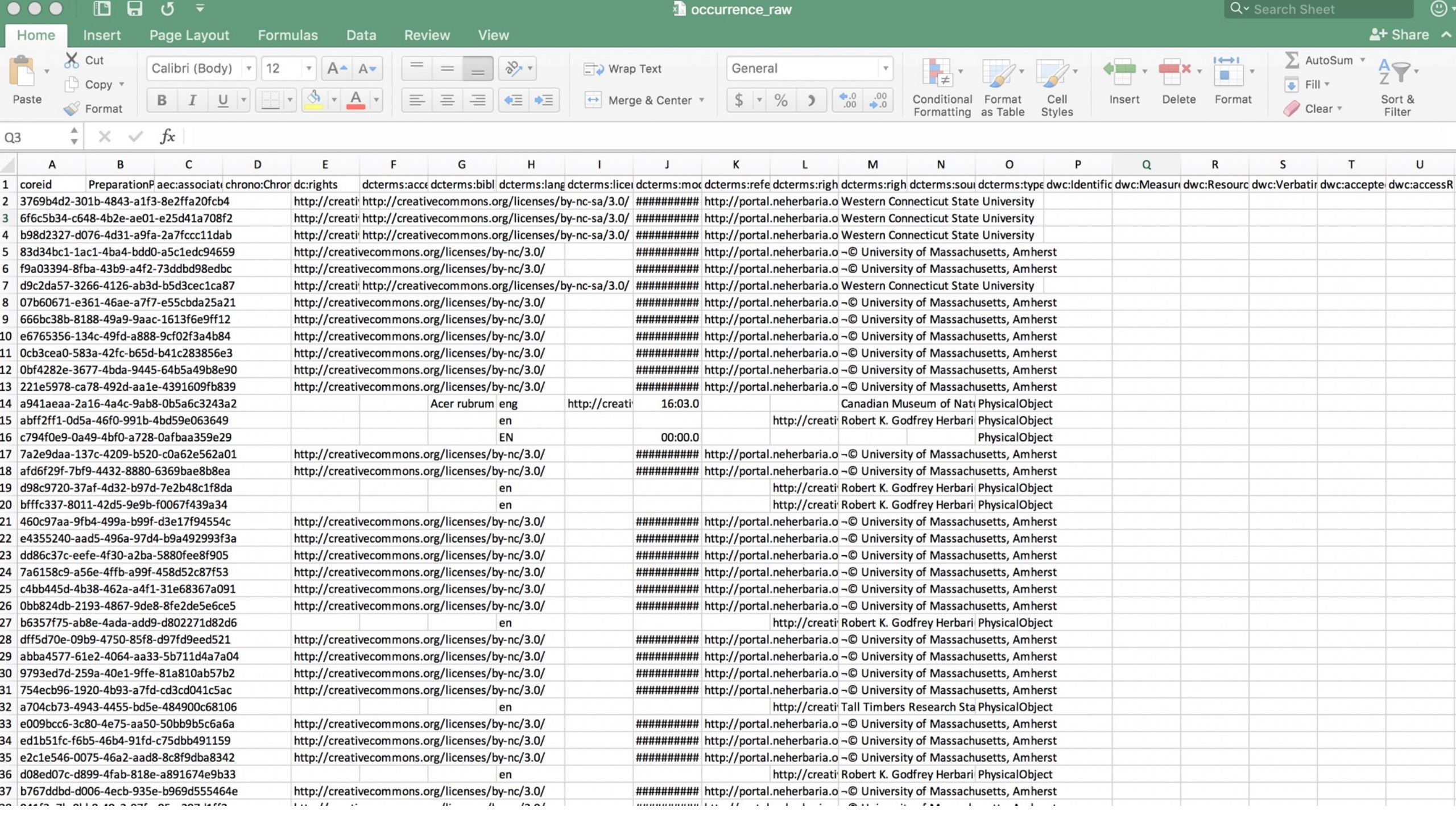
If you have any problems retrieving or using this file, please contact us at
data@idigbio.org, or by replying to this email.

Thank You,
The iDigBio Team



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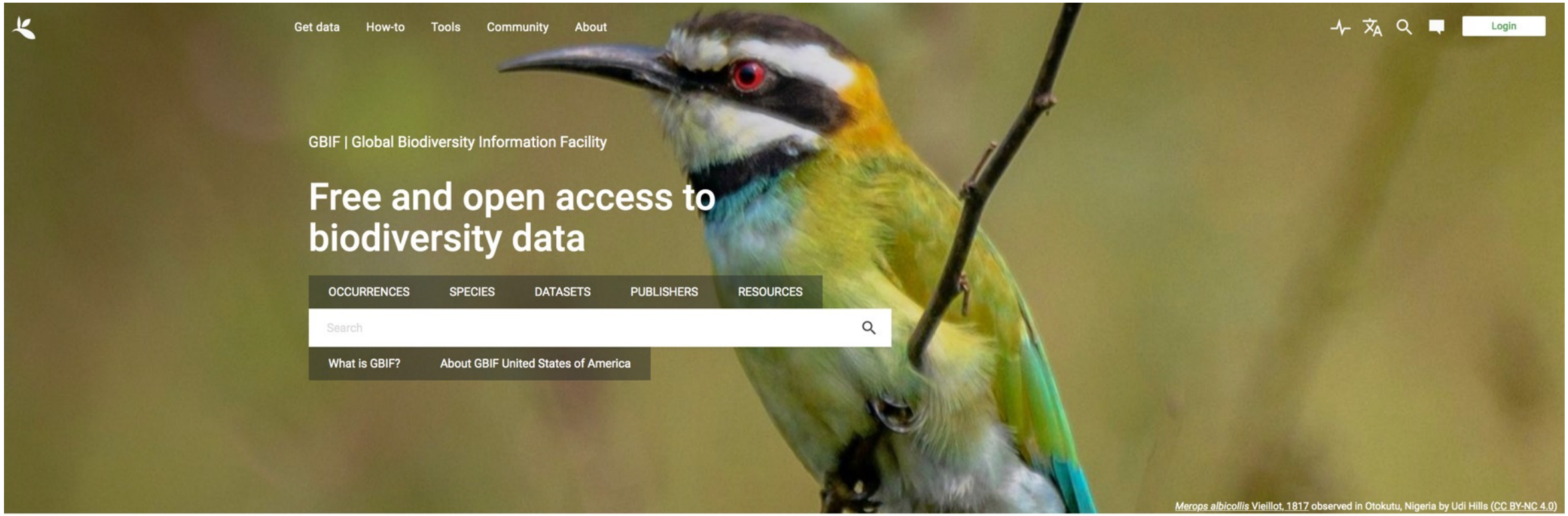
GBIF: gbif.org



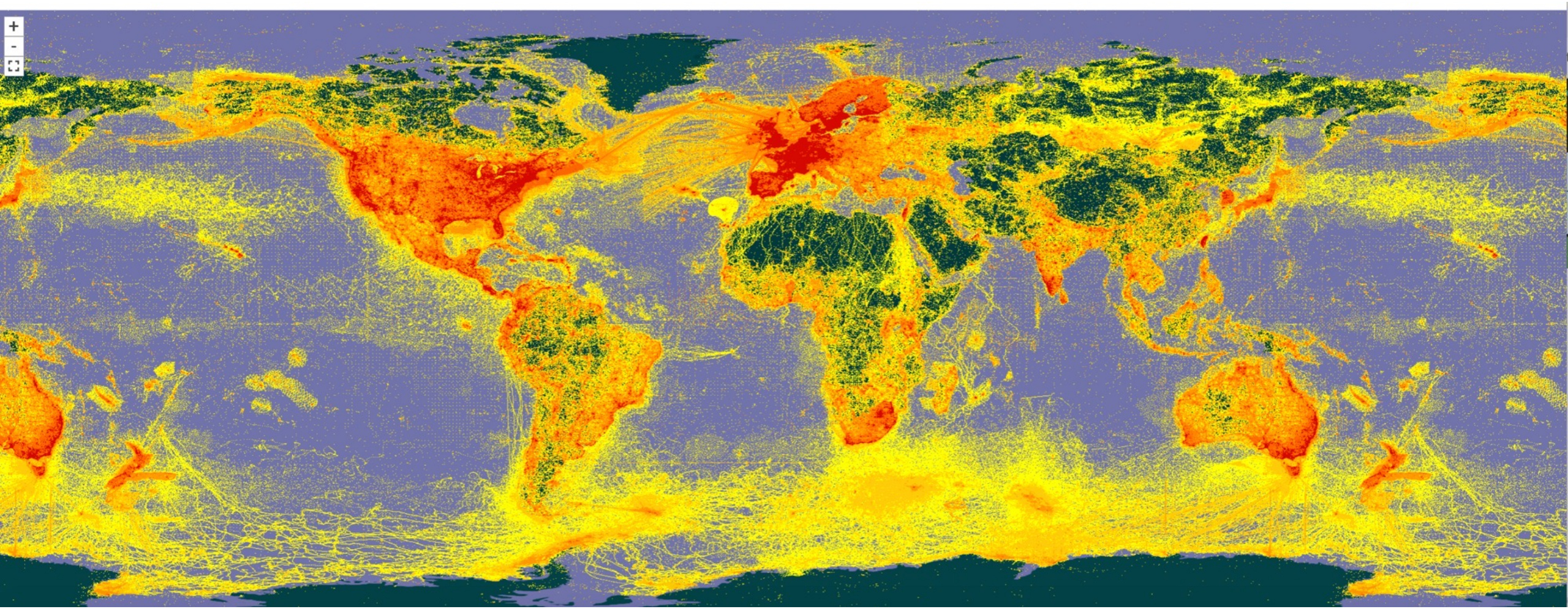
2,169,156,841
Occurrence records

69,336
Datasets

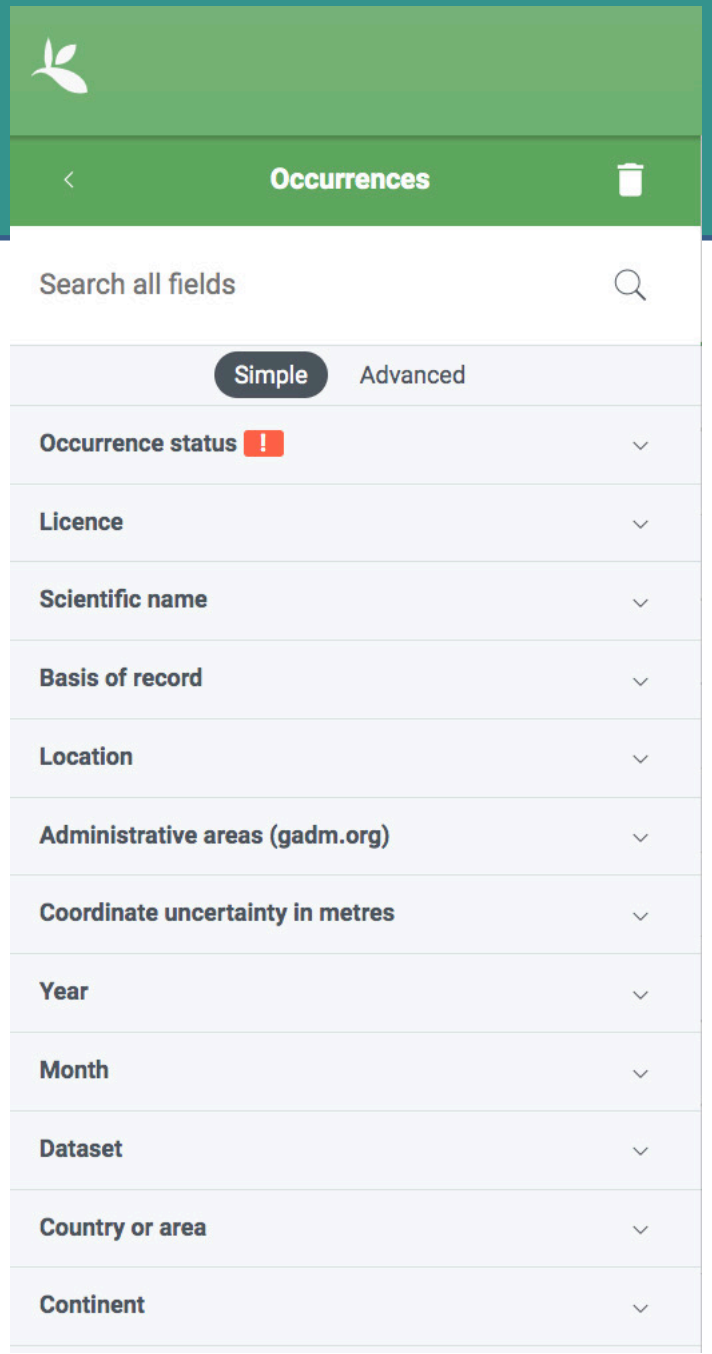
1,835
Publishing institutions

7,227
Peer-reviewed papers using data

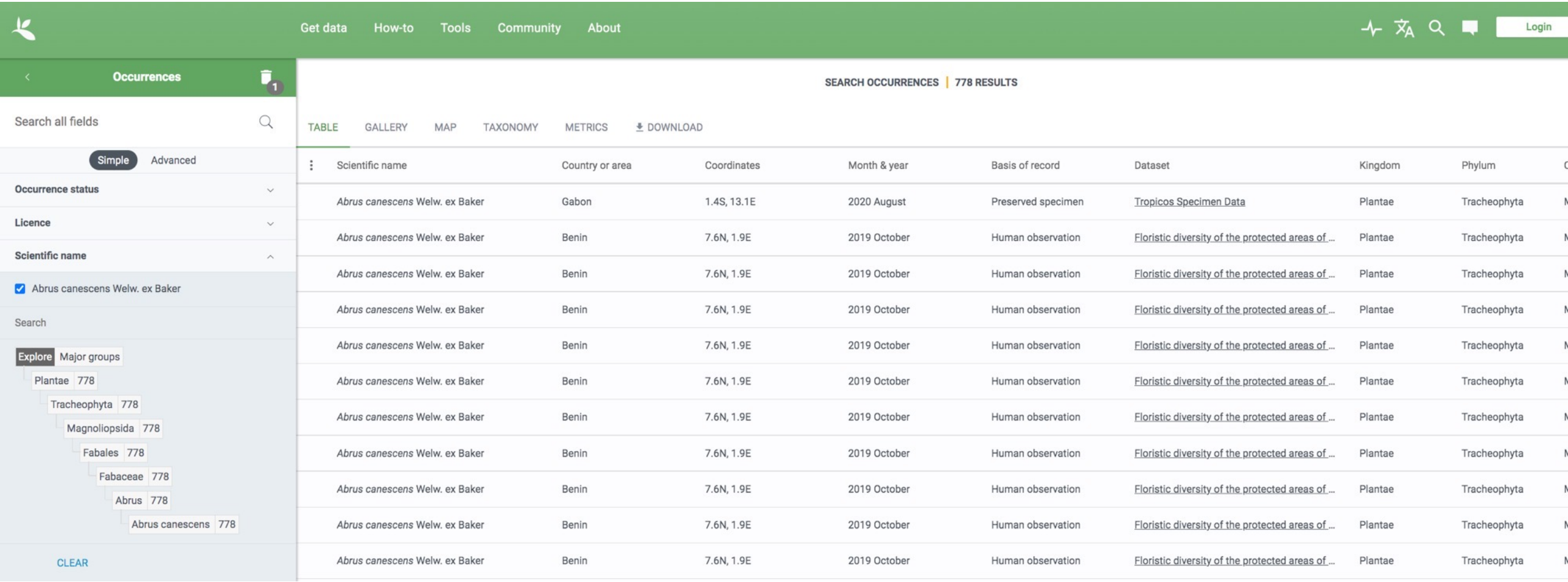
GBIF: gbif.org



Search GBIF


Occurrences
Search all fields
Simple
Advanced
Occurrence status
Licence
Scientific name
Basis of record
Location
Administrative areas (gadm.org)
Coordinate uncertainty in metres
Year
Month
Dataset
Country or area
Continent

Search GBIF: *Abrus canescens*



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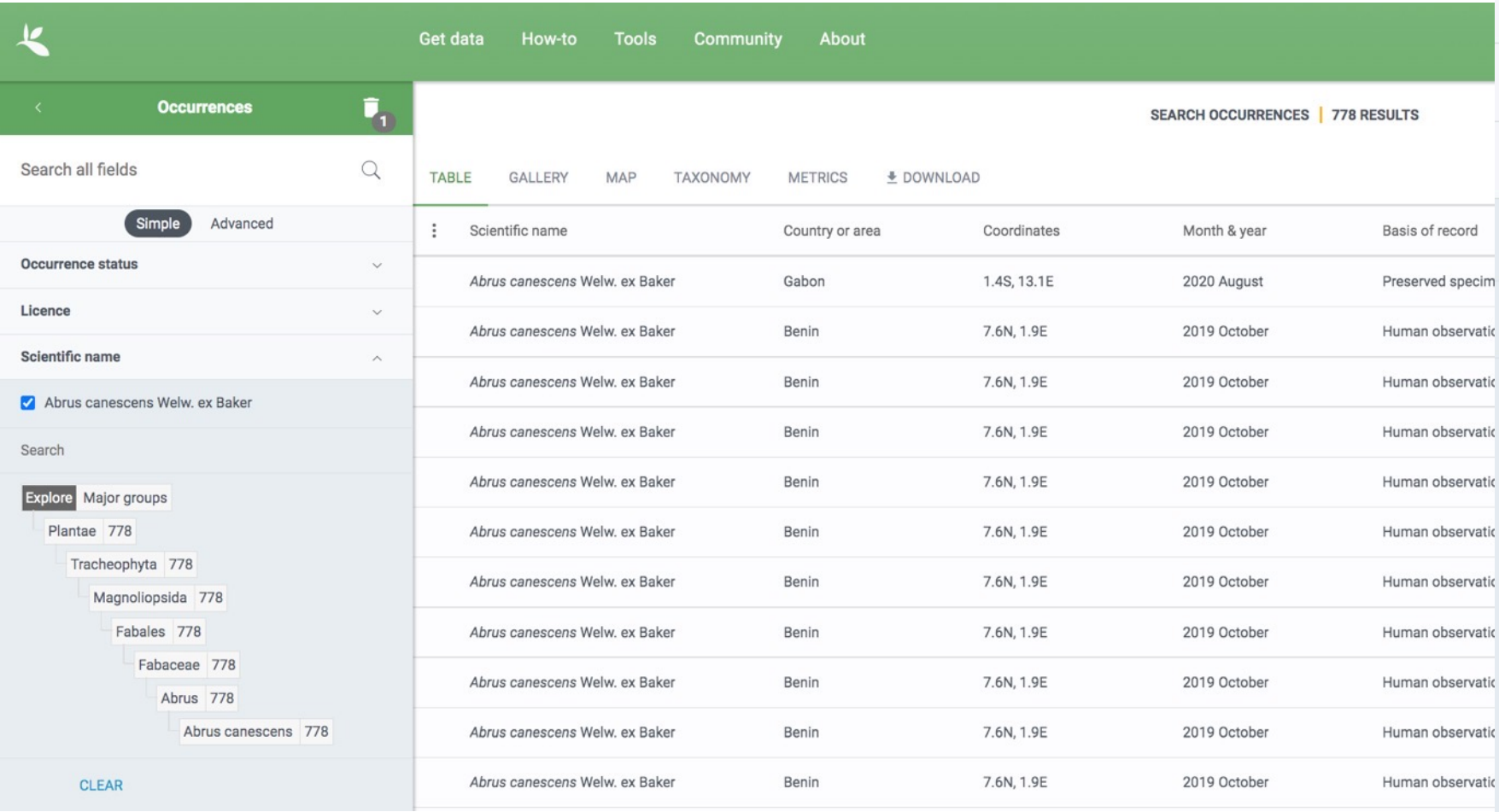

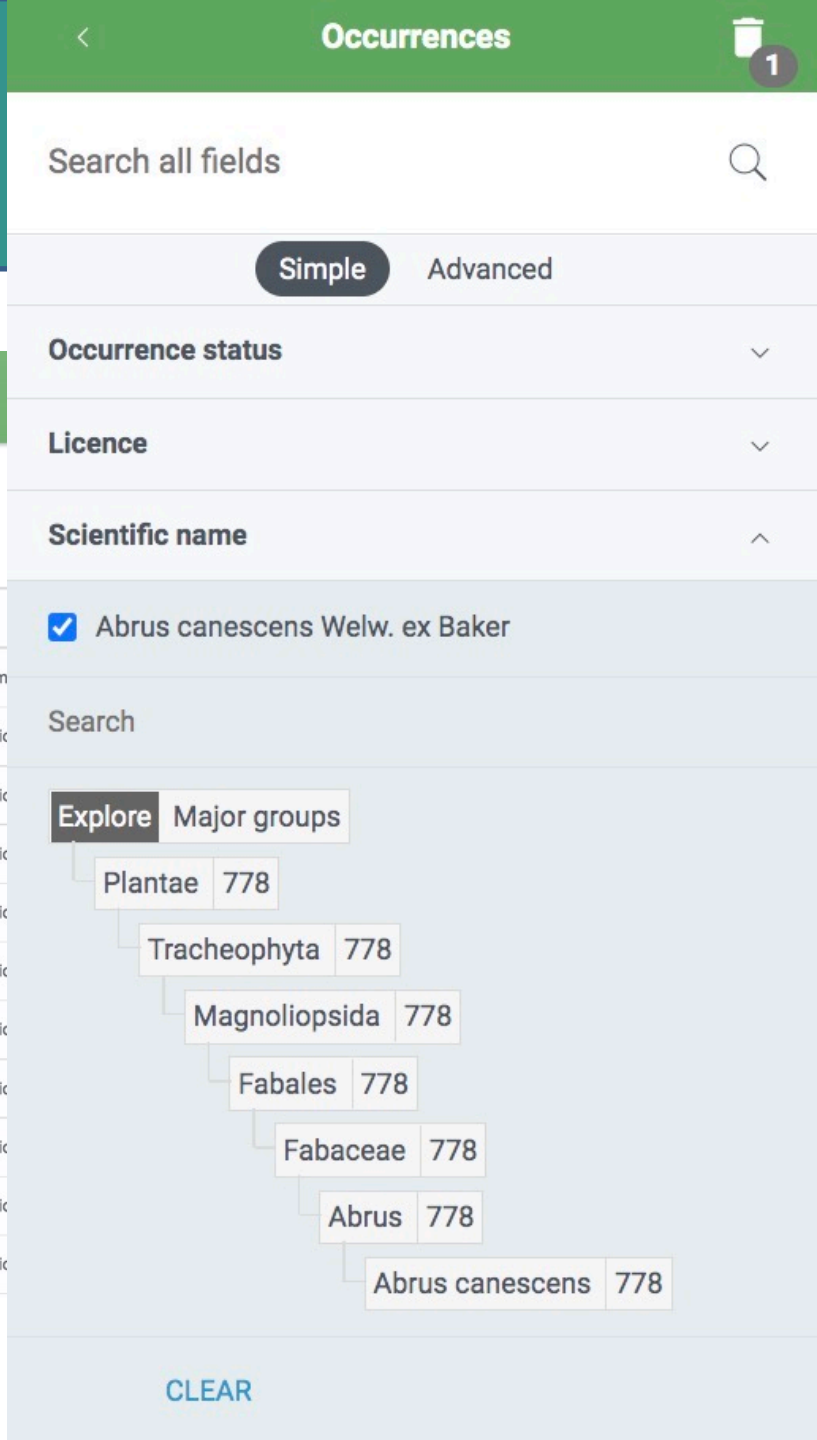

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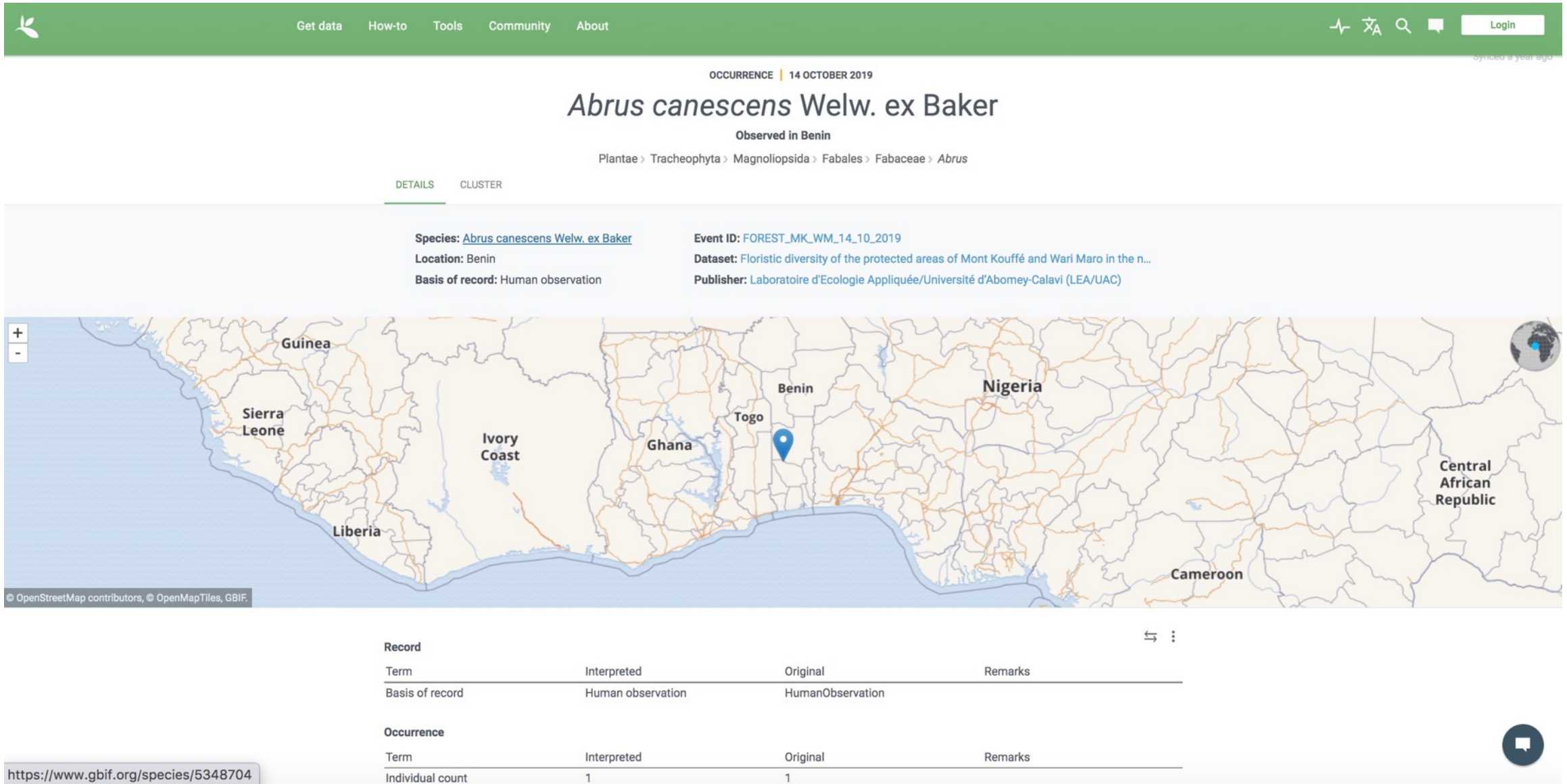
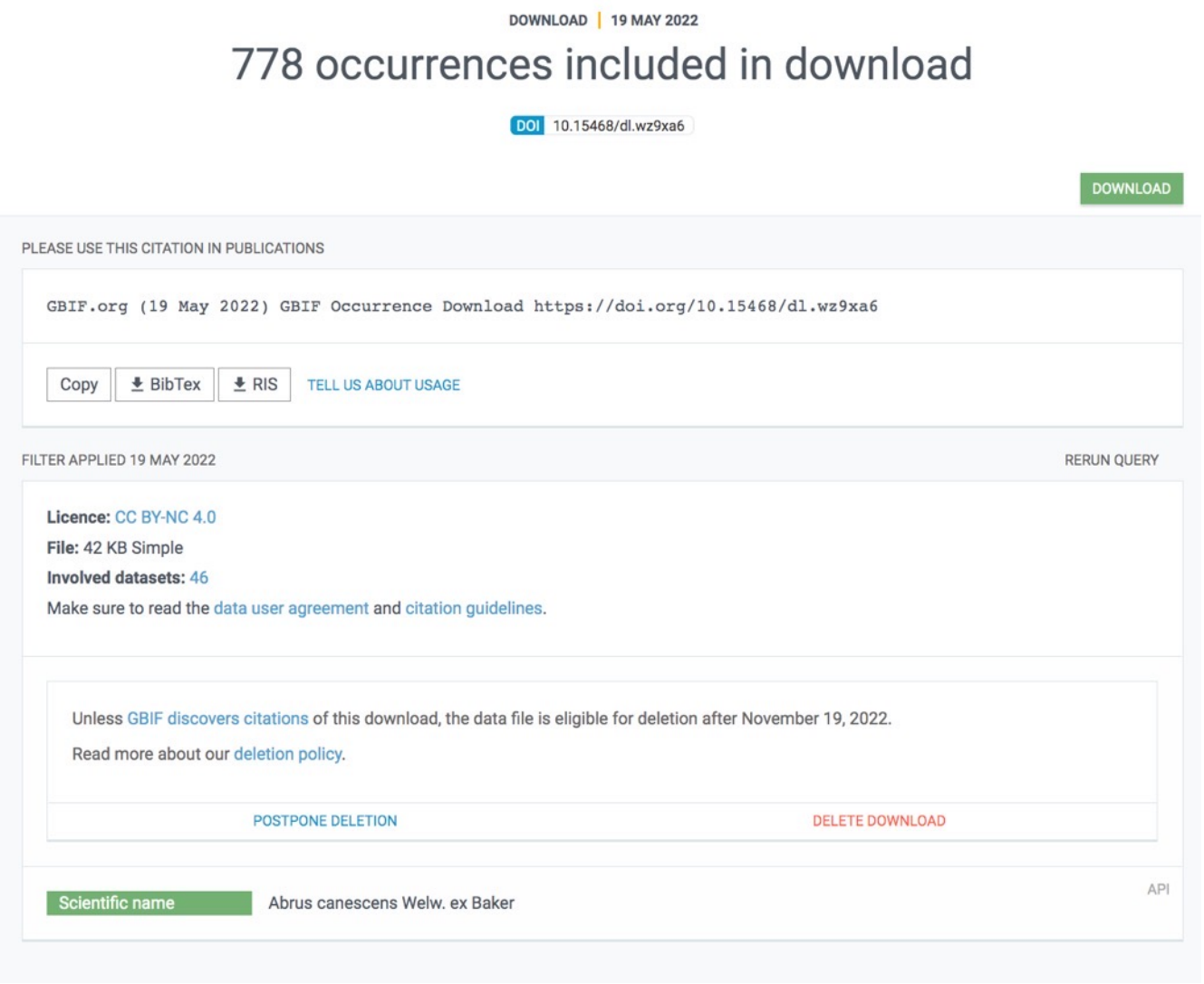


Search GBIF: Download Data Set / Email



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778 occurrences included in download

DOI 10.15468/dl.wz9xa6

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Scientific name Abrus canescens Welw. ex Baker

API

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Soltis,Pamela S
Thursday, May 19, 2022 at 3:14 AM
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GBIF Global Biodiversity Information Facility

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https://api.gbif.org/v1/occurrence/download/request/0290524-210914110416597.zip

Citation

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Download Information

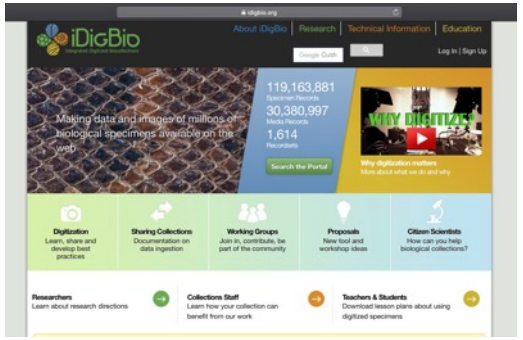
DOI: https://doi.org/10.15468/dl.wz9xa6 (may take some hours before being active)
Creation Date: 07:13:27 19 May 2022

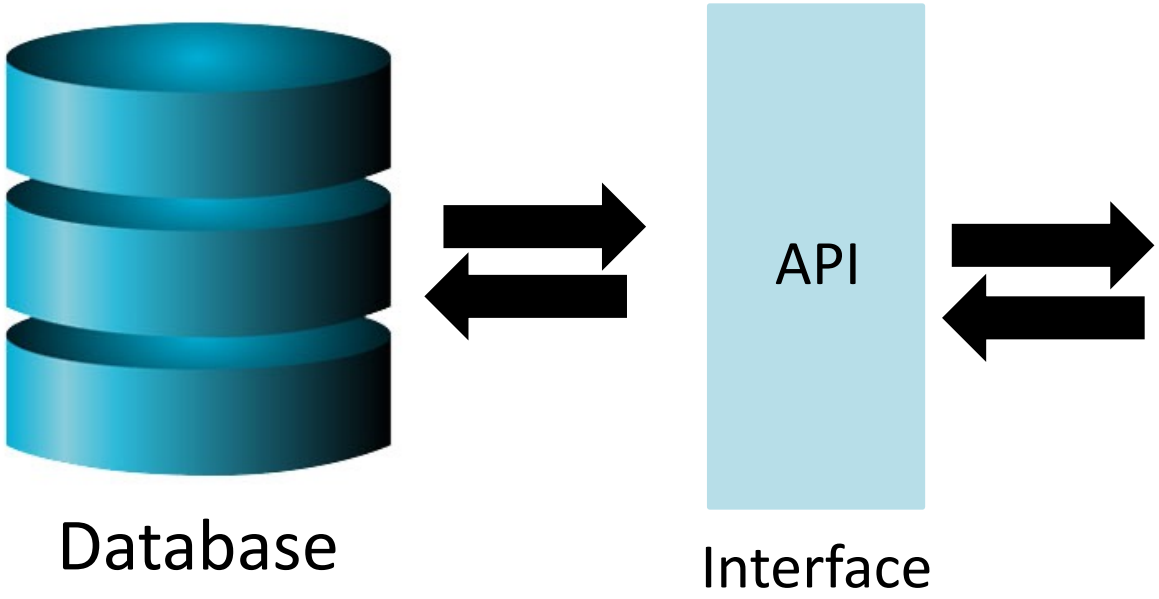
Other Options for Data Downloads

API = Application Programming Interface

- Allows users to interact with a system

Web portal





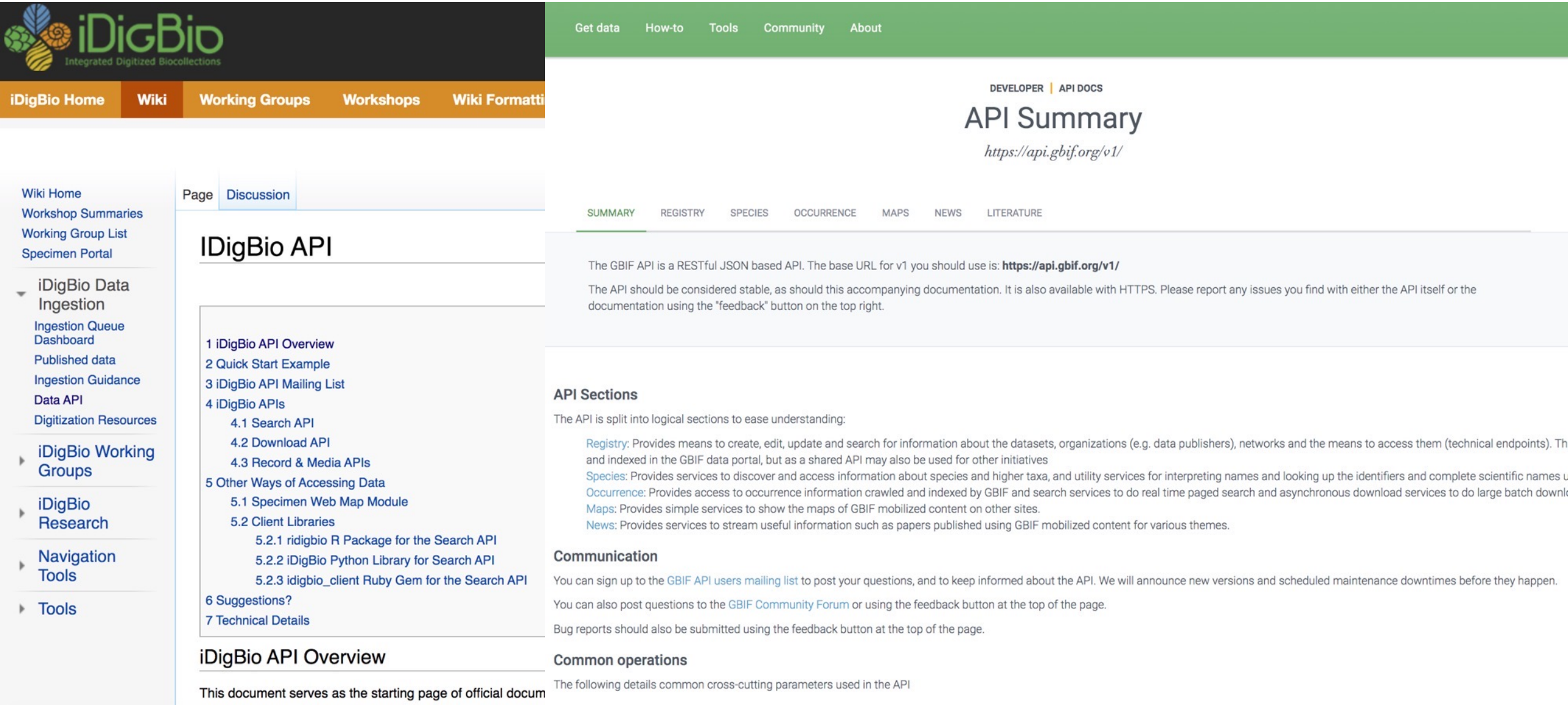
Database

Interface

{JSON}

python

Other Options for Data Downloads: APIs



Other Options for Data Downloads: R packages

- ridigbio
- rgbif
- spocc: Interface to Species Occurrence Data Sources
- gatoRs: geographic and taxonomic occurrence R-based scrubbing

Patten et al., *APPS*, submitted