

Southern Rocky Mountain TCN

ADBC Summit 2020 September 24th 2020

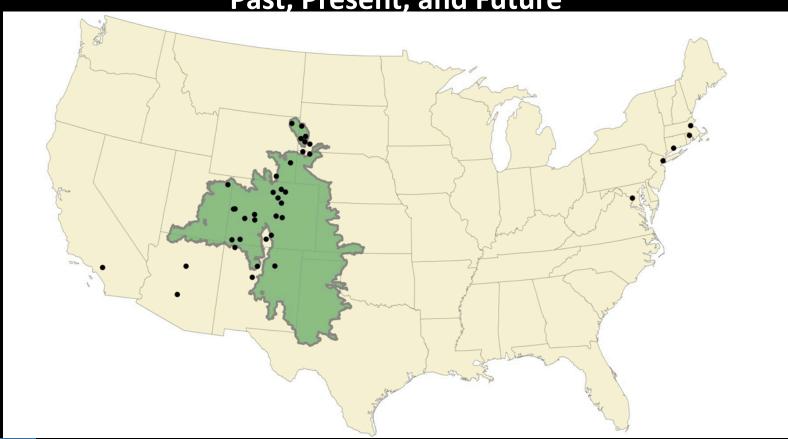
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Using Herbarium Data to Document Plant Niches in the High Peaks and High Plains of the Southern Rockies - Past, Present, and Future



Project Scope

- 40 Partners (including non-digitizing federal partners)
- 20 Partners Digitizing new records
- The original TCN plus RSA PEN
- ~1.8 million specimens from the Southern Rocky Mountain Region
- 546,000 new database entries
- 863,000 new specimen images
- 627,000 new georeferences

Funded Partners

- Adams State University
- Arizona State University
- Black Hills State University
- California Botanic Gardens
- Chadron State College
- Colorado College
- Colorado Mesa University
- Fort Lewis College
- Harvard University
- Navajo Nation Herbarium
- New York Botanical Garden

- Northern Arizona University
- Rocky Mountain Biological Laboratory Herbarium
- San Juan College
- University of Colorado
- University of New Mexico
- University of Northern Colorado
- University of Wyoming
- Western State Colorado University
- Yale University



Project Progress

2019

- 242,484 database entries completed (~48%)
- 753,843 specimens barcoded (~93%)
- 727,475 specimens imaged (~89%)
- 59,175 specimens georeferenced (~11%)



Project Progress

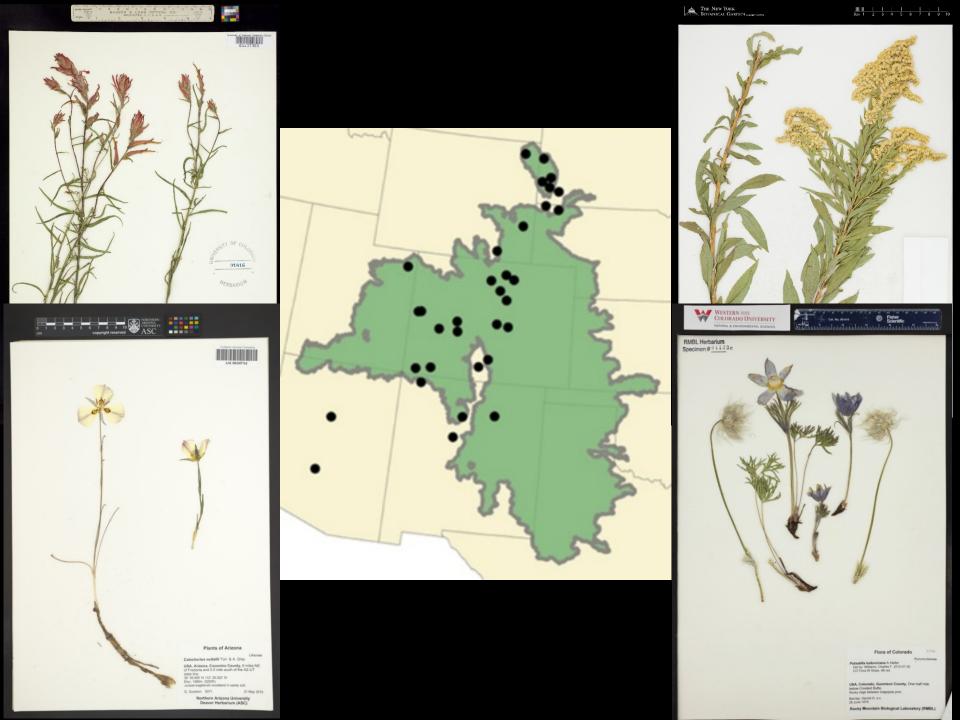
2020

End of July 2020

- 378,764 database entries completed (~68.6%)
- 932,576 specimens barcoded (~107.3%)
- 958,059 specimens imaged (~111.9%)
- 214,358 specimens georeferenced (~34.8%)

We will cross 1 million total specimen images this quarter!







Project Progress

- Second Georeferencing Workshop April of 2020 aimed at bringing collections up to speed on georeferenced process for SoRo.
- soroherbaria.org integrated into SEINet/Symbiota infrastructure
- All funded partners now have data in the Southern Rocky Mountain Portal and have submitted data to iDigBio
- Over 100 volunteers, undergraduate and graduate students have been trained in biodiversity informatics tasks under the project



CONSORTIUM OF SOUTHERN ROCKY MOUNTAIN HERBARIA

Goals for year 4

- Georeferencing is going to be the biggest focus
- Integrate federal partner data
- Database and SEINet improvements
- Share with GBIF ~1/2 of collections are sending data, several more will start this project year



Lessons Learned

- Staggering start dates allows maximum contact time with new institutions (4 PI and 9 subawards started digitizing year one 5 subawards plus COLO collection started year two). Also splits collections into themes (small scope under 15,000 mid scope under 100,000 large scope over 100,000)
- Site visits are invaluable



Lessons Learned

- Do not take silence for "everything is okay"
- Pandemics are a good time to proof your data
- Start Georeferencing now!
- Skeletal and controlled data (dropdown menus) help to filter data, reduce keystroke errors and create a searchable database
- Students thrive when working on various tasks
- Equipment changes / backups / updates?



COVID

- All of the SoRo collections actively digitizing except for two closed in March 2020 due to COVID
- Most collections still have limited access
- Our backlog of images helped us to shift to remote work
- Several collections stopped volunteer programs and many digitizers opted to stop working rather than working remote
- We are not back to full capacity