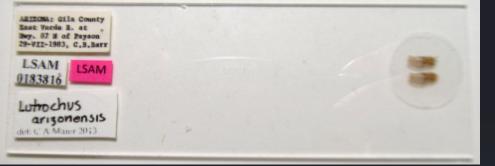


Jennifer C. Thomas, Assistant Collection Manager, KU Natural History Museum

Derek A. Woller, Ph.D. Candidate, Song Lab, UCF

Crystal A. Maier, Ph.D. Candidate, KU

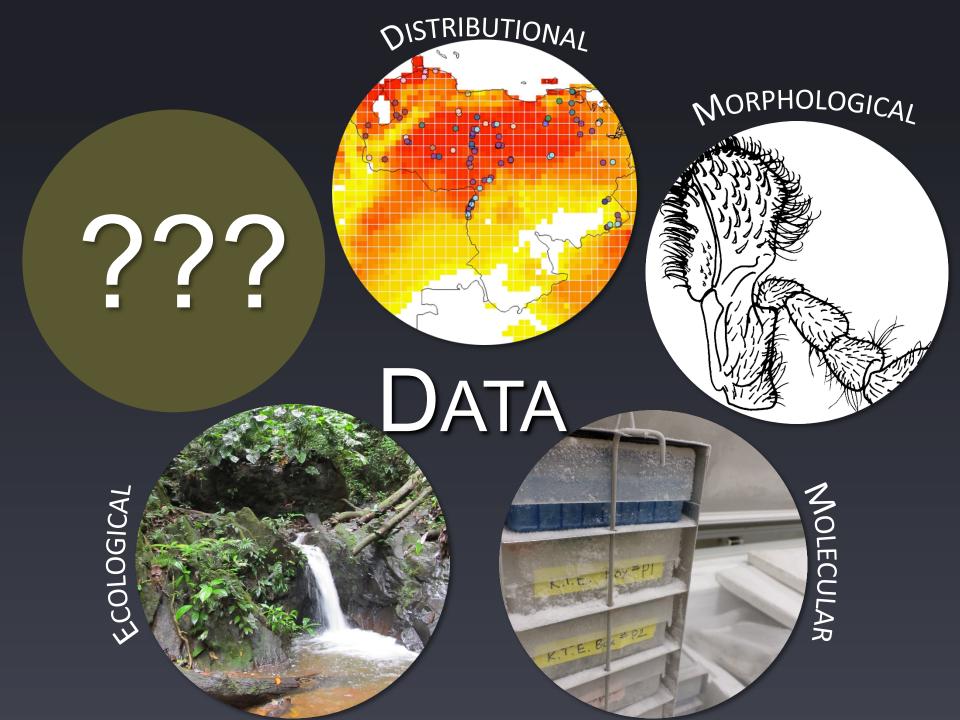






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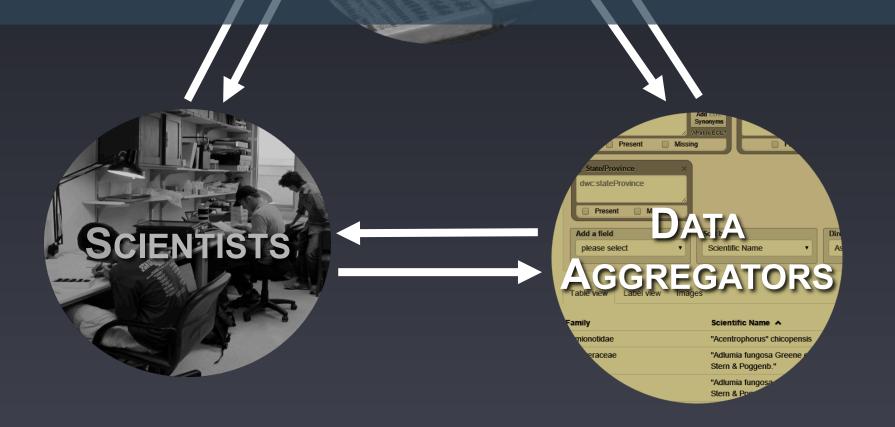


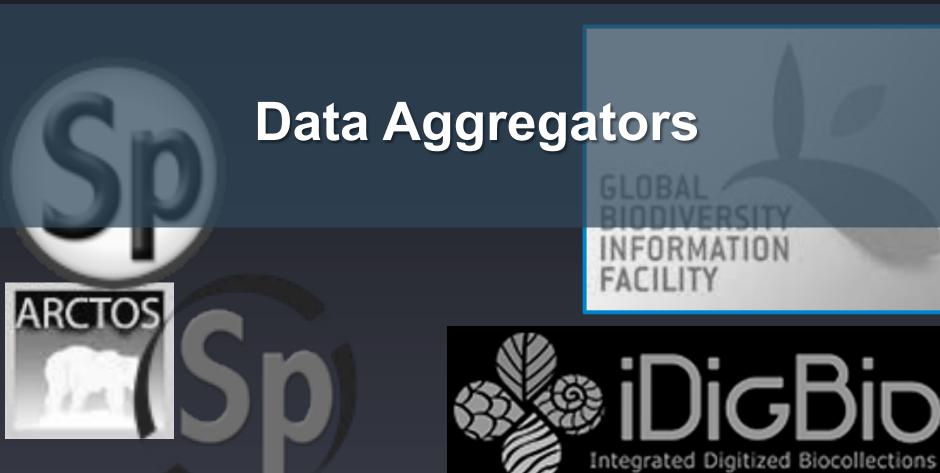


"Adlumia fungosa Stern & Pog

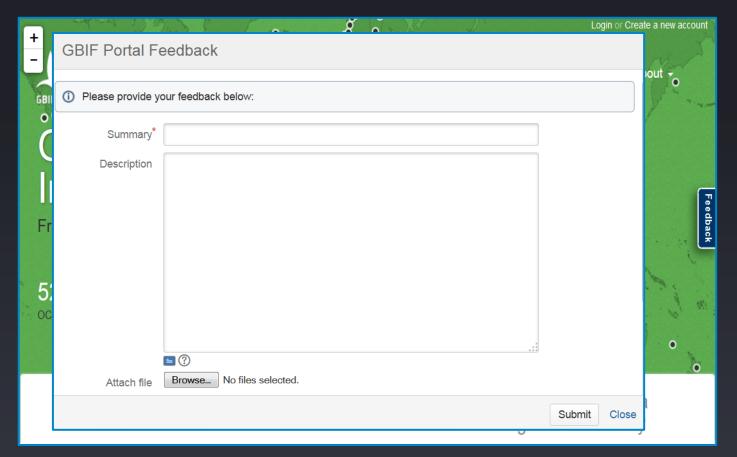
Data Aggregators

Jennifer C. Thomas



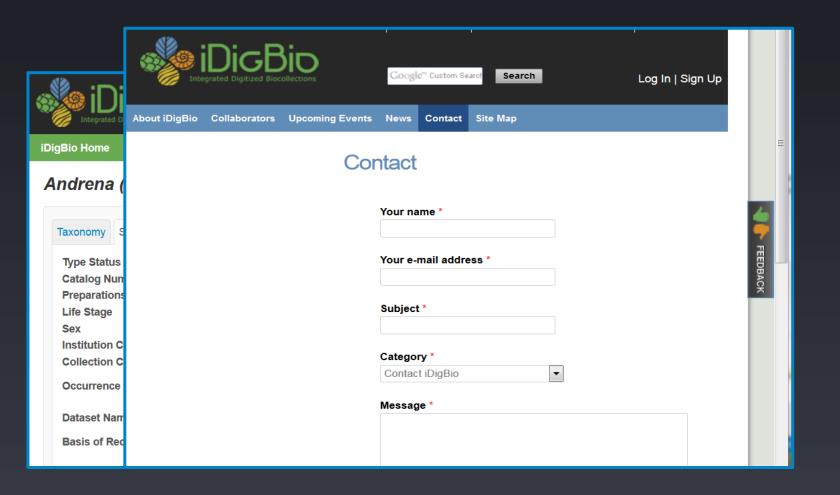






So Collection Managers are overwhelmed with feedback requests, right?

NO. Actually not...



iDigBio has feedback capability too.

Occurrence dataset published by University of Kansas Biodiversity Institute

1,053,683
Occurrences
View occurrences

Information

Stats

Activity

3,037 download events

FILTER COUNTRY Tanzania, United Republic of

TAXON Animalia

STATUS Ready for download (55.0 MB 271,817 records - 375 datasets)

CREATED Nov 4, 2014

RECORDS 685 records from this dataset included at time of download

FILTER TAXON Bombus griseocollis (DeGeer, 1773)

STATUS Ready for download (760.2 kB 5,969 records - 14 datasets)

CREATED Nov 4, 2014

RECORDS 343 records from this dataset included at time of download

Feedbac

Georeferencing

Repair Errors

If you download and use specimen data, *PLEASE* send some feedback!

Updated classificatio

n

Updated Identifications

Scientists

Derek A. Woller





Orthoptera: Acrididae: Melanoplinae

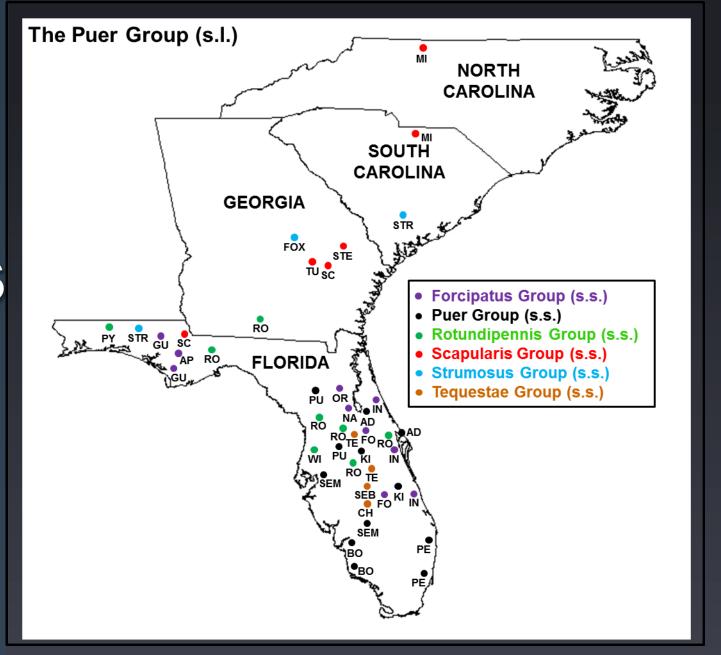
The Puer Group (sensu lato) (PG (s.l.): composed of 24 species (6 sensu stricto groups) of flightless *Melanoplus* spp. of the southeastern U.S.

Overall	Within	Group	Species	Map Code	Distribution	Range
1	1	Forcipatus	apalachicolae	AP	FL	narrow
2	2	Forcipatus	forcipatus	FO	FL	narrow
3	3	Forcipatus	gurneyi	GU	FL	narrow
4	4	Forcipatus	indicifer	IN	FL	narrow
5	5	Forcipatus	nanciae	NA	FL	narrow
6	6	Forcipatus	ordwayae	OR	FL	narrow
7	1	Puer	adelogyrus	AD	FL	narrow
8	2	Puer	bonita	ВО	FL	narrow
9	3	Puer	kissimmee	KI	FL	narrow
10	4	Puer	peninsularis	PE	FL	narrow
11	5	Puer	puer	PU	FL	widespread
12	6	Puer	seminole	SE	FL	narrow
13	1	Rotundipennis	pygmaeus	PY	FL	narrow
14	2	Rotundipennis	rotundipennis	RO	FL, GA	widespread
15	3	Rotundipennis	withlacoocheensis	WI	FL	narrow
16	1	Scapularis	mirus	MI	NC	narrow
17	2	Scapularis	scapularis	SC	FL, GA	widespread
18	3	Scapularis	stegocercus	ST	GA	narrow
19	4	Scapularis	tumidicercus	TU	GA	narrow
20	1	Strumosus	foxi	FOX	GA	narrow
21	2	Strumosus	strumosus	STR	FL, SC	widespread
22	1	Tequestae	childsi	CH	FL	narrow
23	2	Tequestae	sebringi	SEB	FL	narrow
24	3	Tequestae	tequestae	TE	FL	narrow



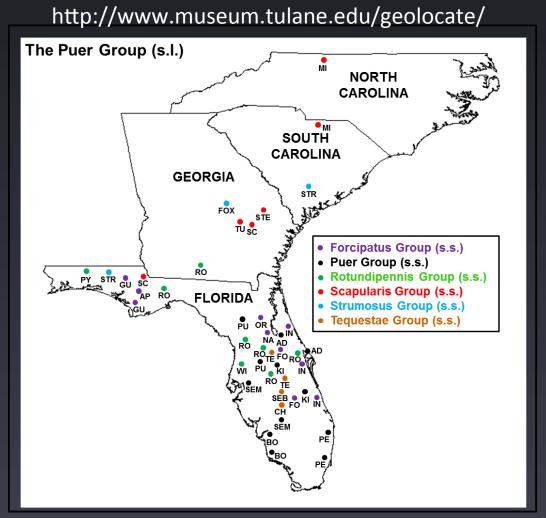
- united by similar morphology
- 83.3% inhabit narrow ranges
- Speciated due to a combination of vicariance, sexual selection by cryptic female choice, & ecological preferences

Maps



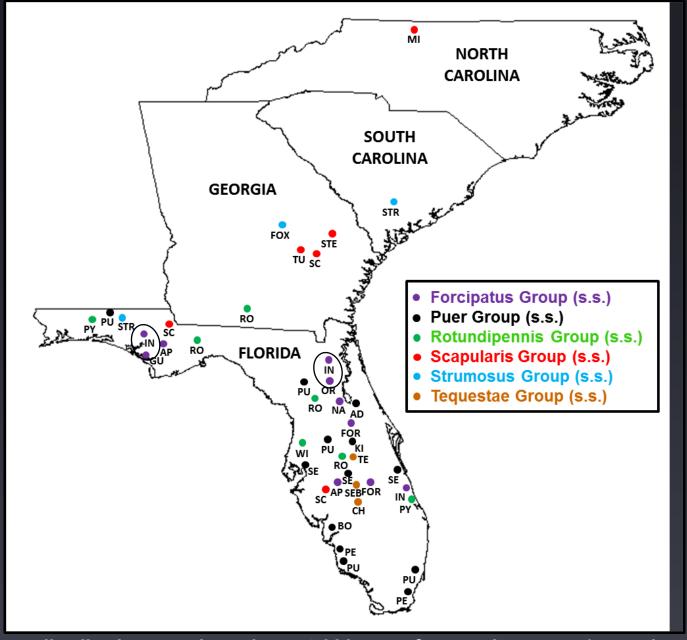
2014 Consensus distribution map based on >4,000 georeferenced museum/recently-collected specimens (from 9 U.S. collections)

GEOLocate

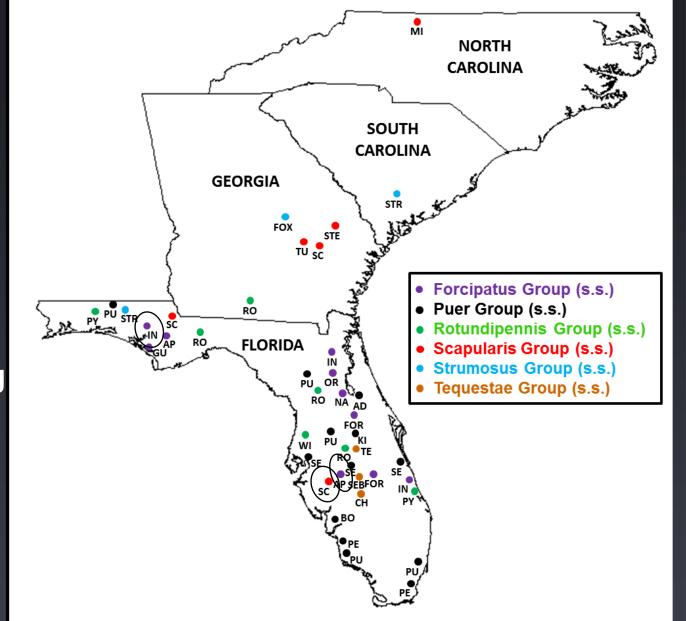


2014 Consensus distribution map based on >4,000 georeferenced museum/recently-collected specimens (from 9 U.S. collections – database composed of borrowed specimens and existing virtual records)

Georeferencin g can assist in species identifications



2014 Consensus distribution map based on >4,000 georeferenced museum/recently-collected specimens (from 9 U.S. collections – database composed of borrowed specimens and existing virtual records)

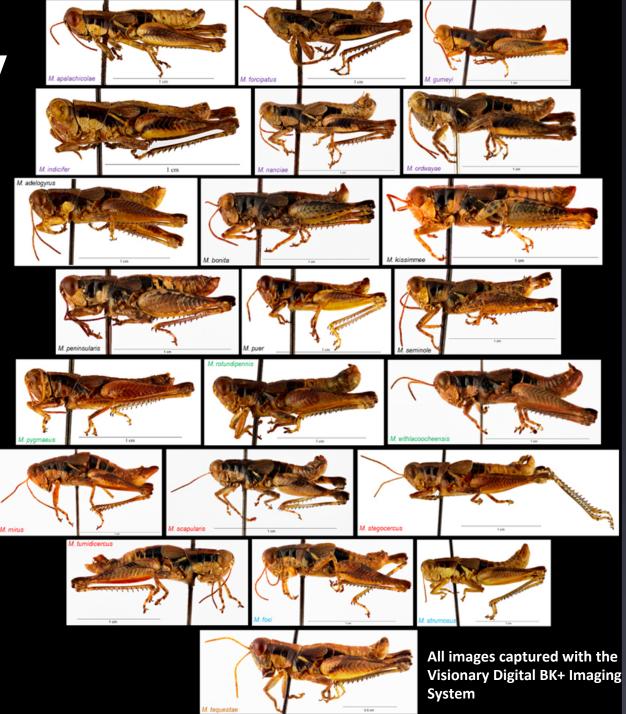


Georeferencing is not perfect and knowing your system is important!

2013 Consensus distribution map based on >4,000 georeferenced museum/recently-collected specimens (from 9 U.S. collections – database composed of borrowed specimens and existing virtual records)

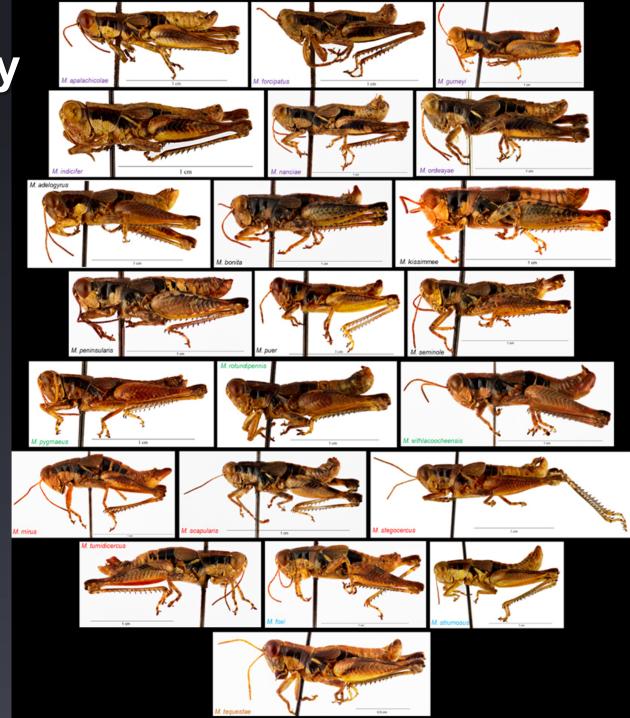
Photography

Virtual specimen representatives for museum and on-line databases (eg. Orthoptera Species File)



Photography

Also useful for continued research once specimens are returned



Acknowledgements

Obviously, if data from a collection is used, virtual or gathered by the researcher, then the source(s) should be acknowledged within a publication

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Not as obvious? Utilized data, but unpublished projects.

Acknowledgements

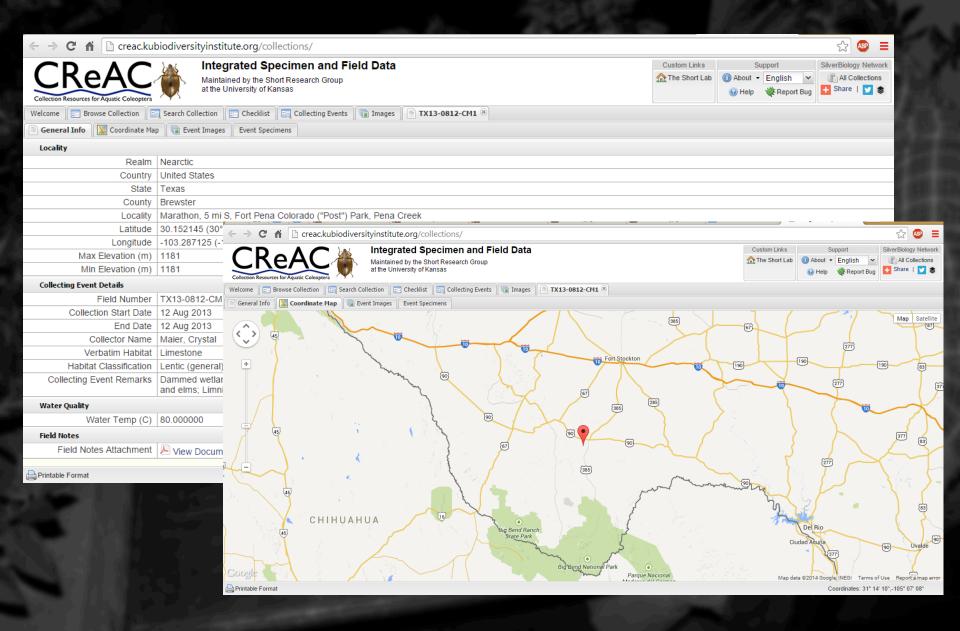
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Not as obvious? Utilized data, but unpublished projects.

Let the data-gatherers know somehow that their data is being used and for what.

Data collection appears to be on every collection's collective mind, but demonstrating their use and justifying continued financial support requires further data collection.





<u>.</u>				1350
Site 8: TX13-0812-	CM1			A CLESTER
	Tx 13 - 0812 - CM 1 Date:	12 August 2013 Time: 12	2:00PM	
	County: Brewster			
	+ Post Parki ~ Smi S. Mara		/	
Latitude:	Longitude:	Elevation:		
SiteDescription: Dam top Swimming with widely space	imed wetland, with cattain pool fed by some stream d trees	ns; water flowing do	wn dam from naded park	848
Geology: <u>Limestone</u> Collectors: <u>Crystal M</u>	aier Water body no			
	s and in cattails			
Water Temp: - 30°F			· · · · · · · · · · · · · · · · · · ·	4
TaxaCollected: Limnic	choderus + Heterocer			



