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Presentations

Title

Extended Thoughts about the Extended Specimen

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Author

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Supplemental Material

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Extended Thoughts about the Extended Specimen









UC SANTA BARBARA Cheadle Center for Biodiversity & Ecological Restoration



big-bee.net

Katja C. Seltmann

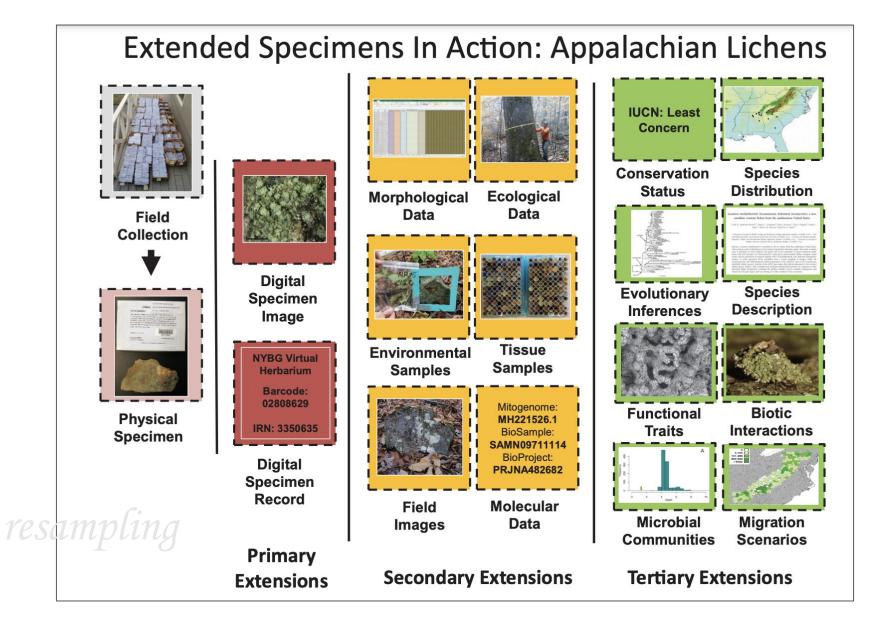
Vernon and Mary Cheadle Center for Biodiversity and Ecological Restoration, University of California, Santa Barbara BioDigiCon, September 28, 2022 seltmann@ucsb.edu

NSF:DBI:2102006



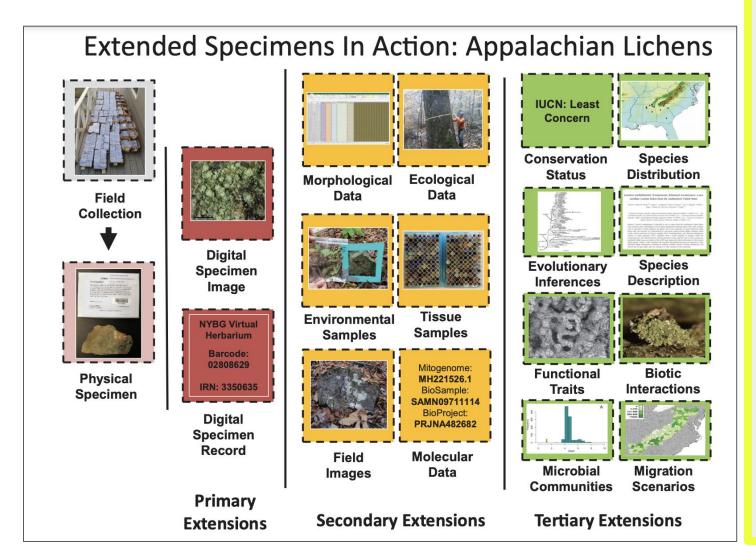






James Lendemer, Barbara Thiers, Anna K Monfils, Jennifer Zaspel, Elizabeth R Ellwood, Andrew Bentley, Katherine LeVan, John Bates, David Jennings, Dori Contreras, Laura Lagomarsino, Paula Mabee, Linda S Ford, Robert Guralnick, Robert E Gropp, Marcy Revelez, Neil Cobb, Katja Seltmann, M Catherine Aime, The Extended Specimen Network: A Strategy to Enhance US Biodiversity Collections, Promote Research and Education, BioScience, Volume 70, Issue 1, January 2020, Pages 23–30, https://doi.org/10.1093/biosci/biz140

What Extends a Specimen



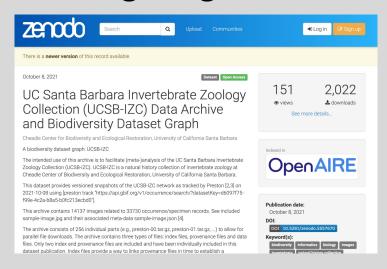


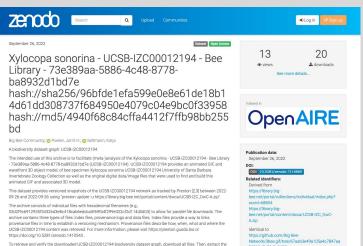




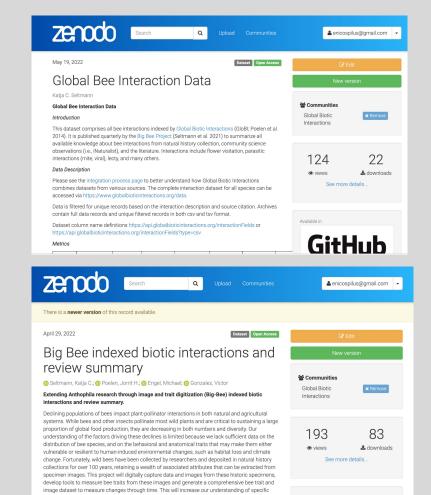
Extended Specimen in Big-Bee TCN

Sharing image datasets

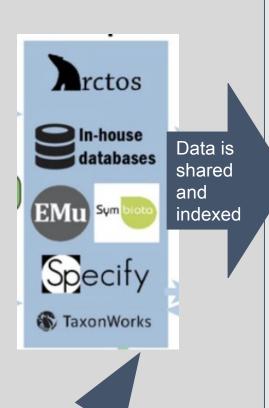




Generating opinionated trait Datasets



Collections generate data and share via IPT or Darwin Core



Data is indexed, including GloBI and Bee Library; Data indexers transform data





Datasets

created

are





Link via DOI?

Opinionated datasets are created: taxon name alignment, QC.
Generate identifiers that then can be linked back to specimen



There is a newer version of this record available.

April 20, 2022

Big Bee indexed biotic interactions and review summary

Settmann, Kaija C. (a) Protein, Jornal H. (b) Empt. Michael (c) Conzulez, Victor Extending Anthophila research through image and trail digitatization (life, blee) indexed biodic interactions of the immediation of the impact polinator interactions in both natural and agricultural systems. While been and other inaction polinator interactions in both natural and agricultural systems. While been and other inaction polinator interactions in both natural and agricultural systems. While been and other inaction polinator interactions and diversity, Our undersity of the interactions o

Jorrit Poelen, GloBI

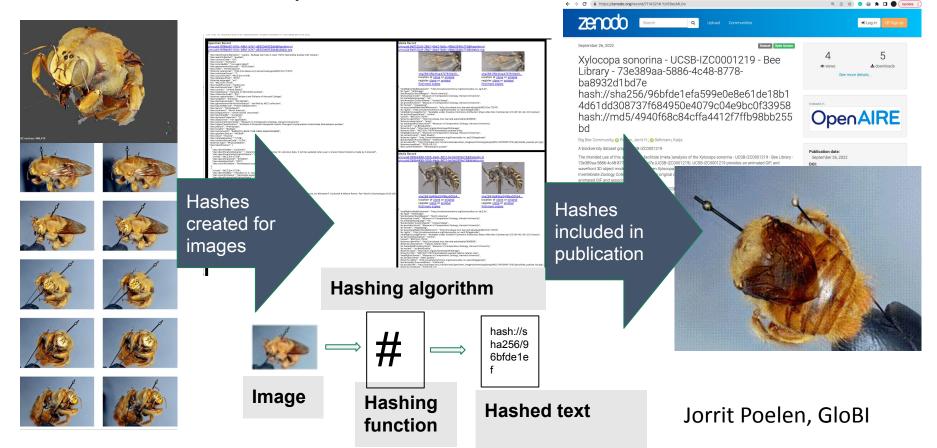


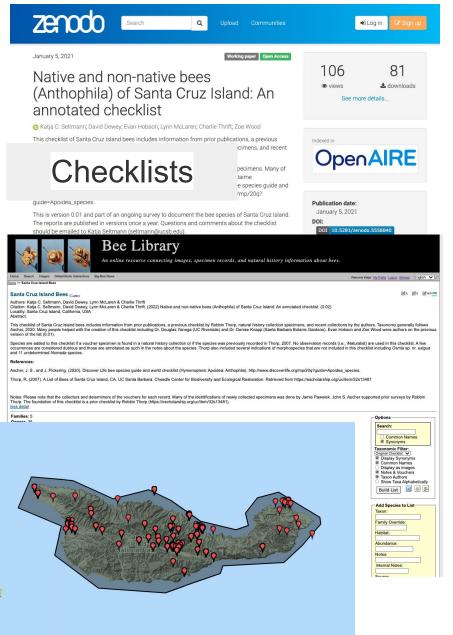
Archives can provide links to original data

Images and models shared from a collection.

Preston software (Elliott et al, 2022) versions DwC archives and tracks provenance

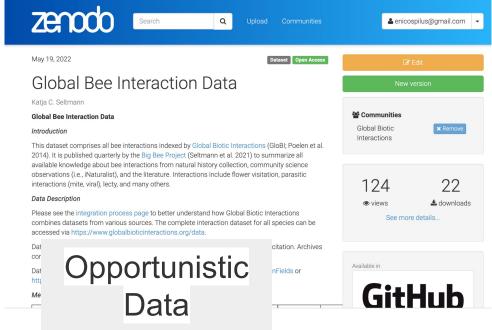
Now, the citations to records, images and models can be signed.



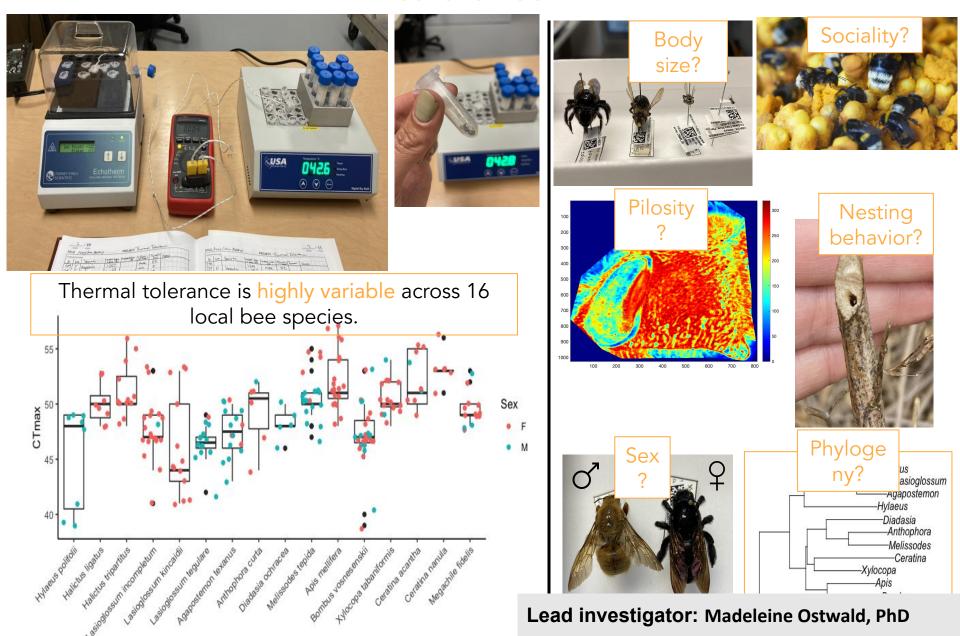


Lead investigators: Grace DiRenzo (USGS) & Michelle Lee (UCSB)

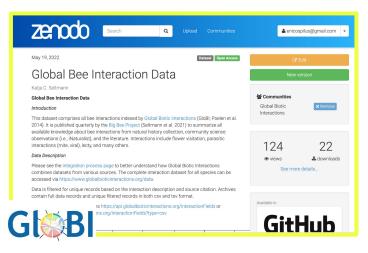




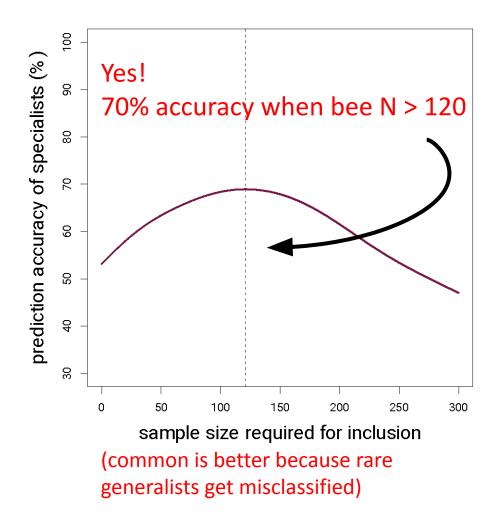
What drives intraspecific variation in native bee thermal tolerance?



Can we predict which bee species are pollen specialists by counting the plant taxa they visit?







expert lists

Lead investigator: Colleen Smith, PhD



Thank you!









References:

Michael Elliot. Jorrit H. Poelen, & José Fortes. (2022, August 29). Signed Citations: Making Persistent and Verifiable Citations of Digital Scientific Content. https://doi.org/10.31222/osf.io/wycin

Big Bee Community, Jorrit H. Poelen, & Katja C. Seltmann. (2022). Xylocopa sonorina - UCSB-IZC00012194 - Bee Library - 73e389aa-5886-4c48-8778-ba8932d1bd7e hash://sha256/96bfde1efa599e0e8e61de18b14d61dd308737f684950e4079c04e9bc0f33958 hash://md5/4940f68c84cffa4412f7ffb98bb255bd (0.0.3) [Data set]. Zenodo. https://doi.org/10.5281/zenodo.7114665

Katja C. Seltmann. (2022). Global Bee Interaction Data (v1.0.1) [Data set]. Zenodo. https://doi.org/10.5281/zenodo.6564738

Katja C. Seltmann, David Dewey, Evan Hobson, Lynn McLaren, Charlie Thrift, & Zoe Wood. (2021). Native and non-native bees (Anthophila) of Santa Cruz Island: An annotated checklist (0.02). Zenodo. https://doi.org/10.5281/zenodo.5558840