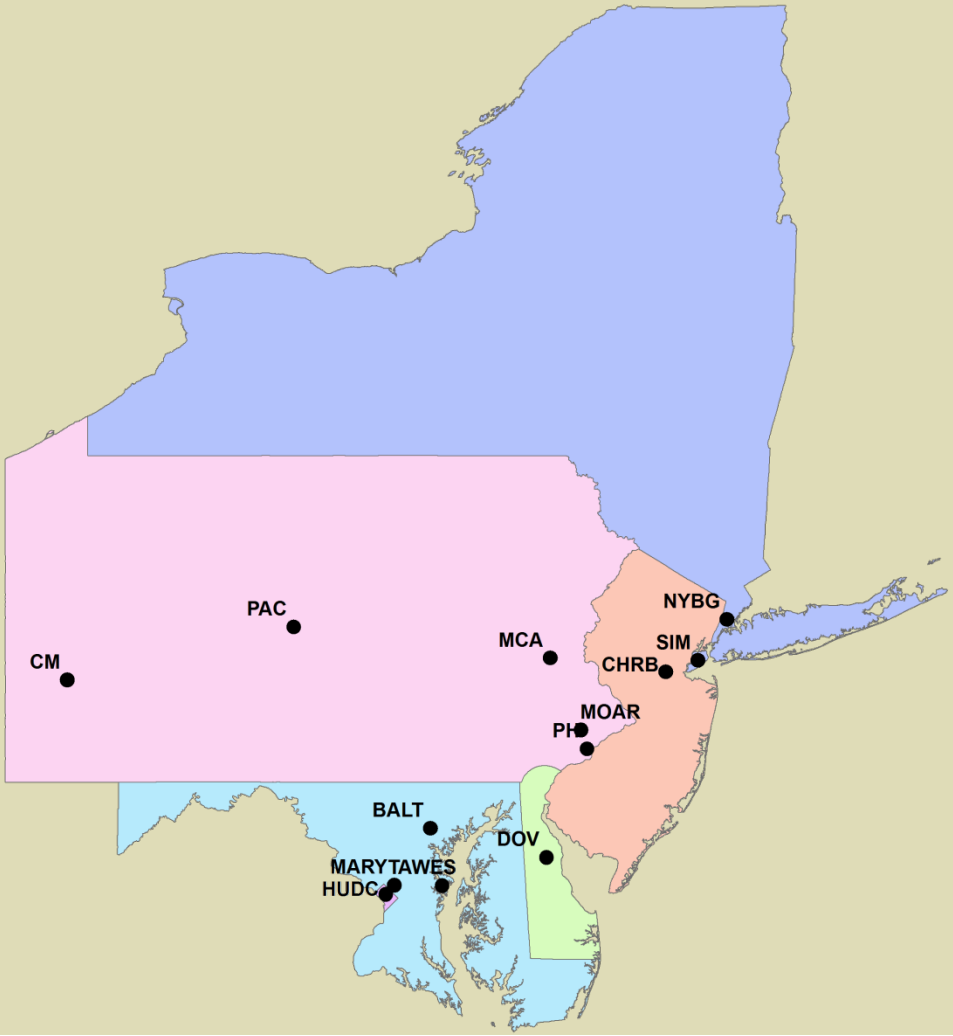
MID-ATLANTIC MEGALOPOLIS

Year 3

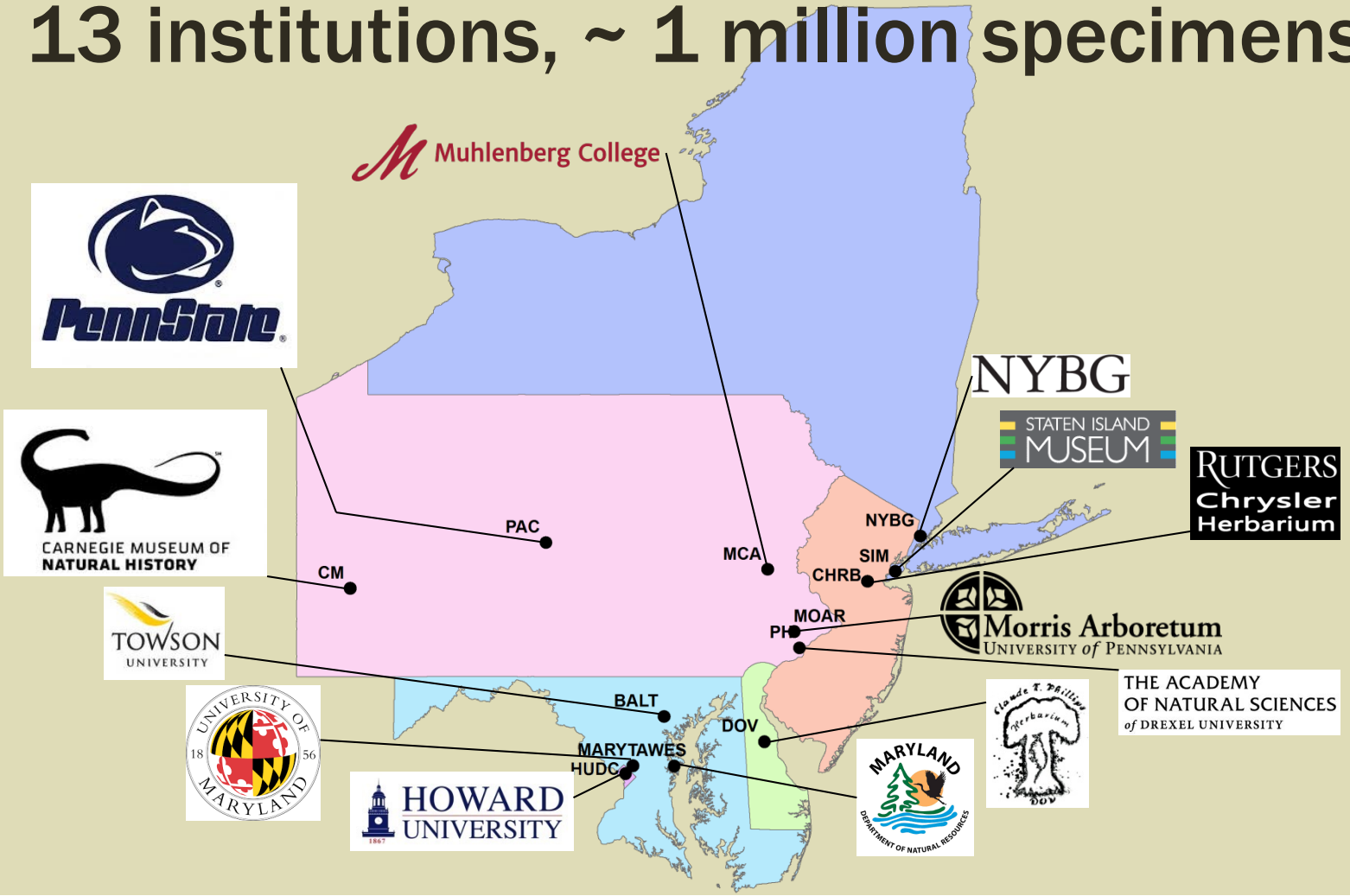
Morris Arboretum
University of Pennsylvania

MID-ATLANTIC MEGALOPOLIS PROJECT



MID-ATLANTIC MEGALOPOLIS PROJECT

13 institutions, ~ 1 million specimens



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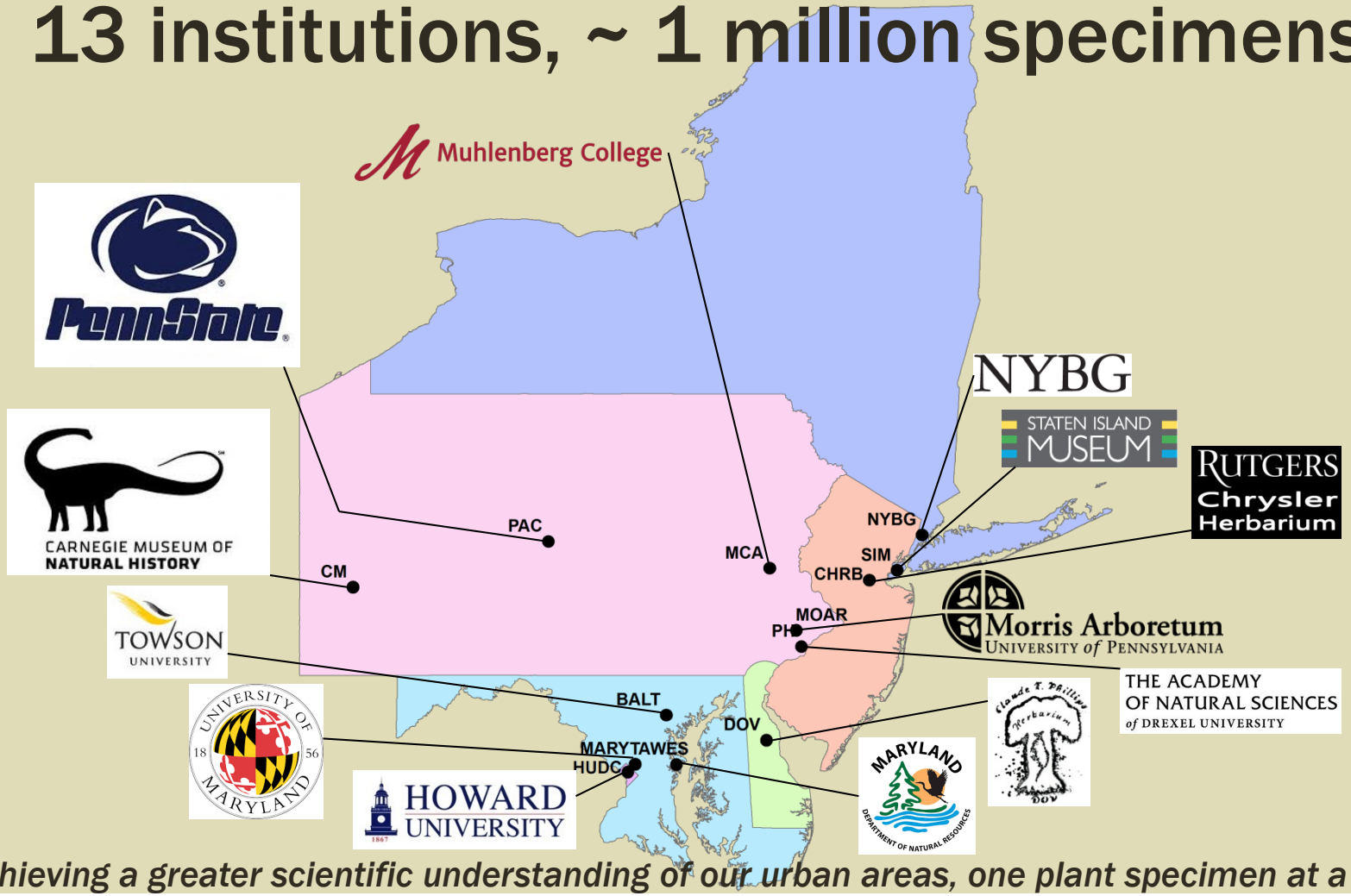

Achieving a greater scientific understanding of our urban areas, one plant specimen at a time.

MID-ATLANTIC MEGALOPOLIS PROJECT

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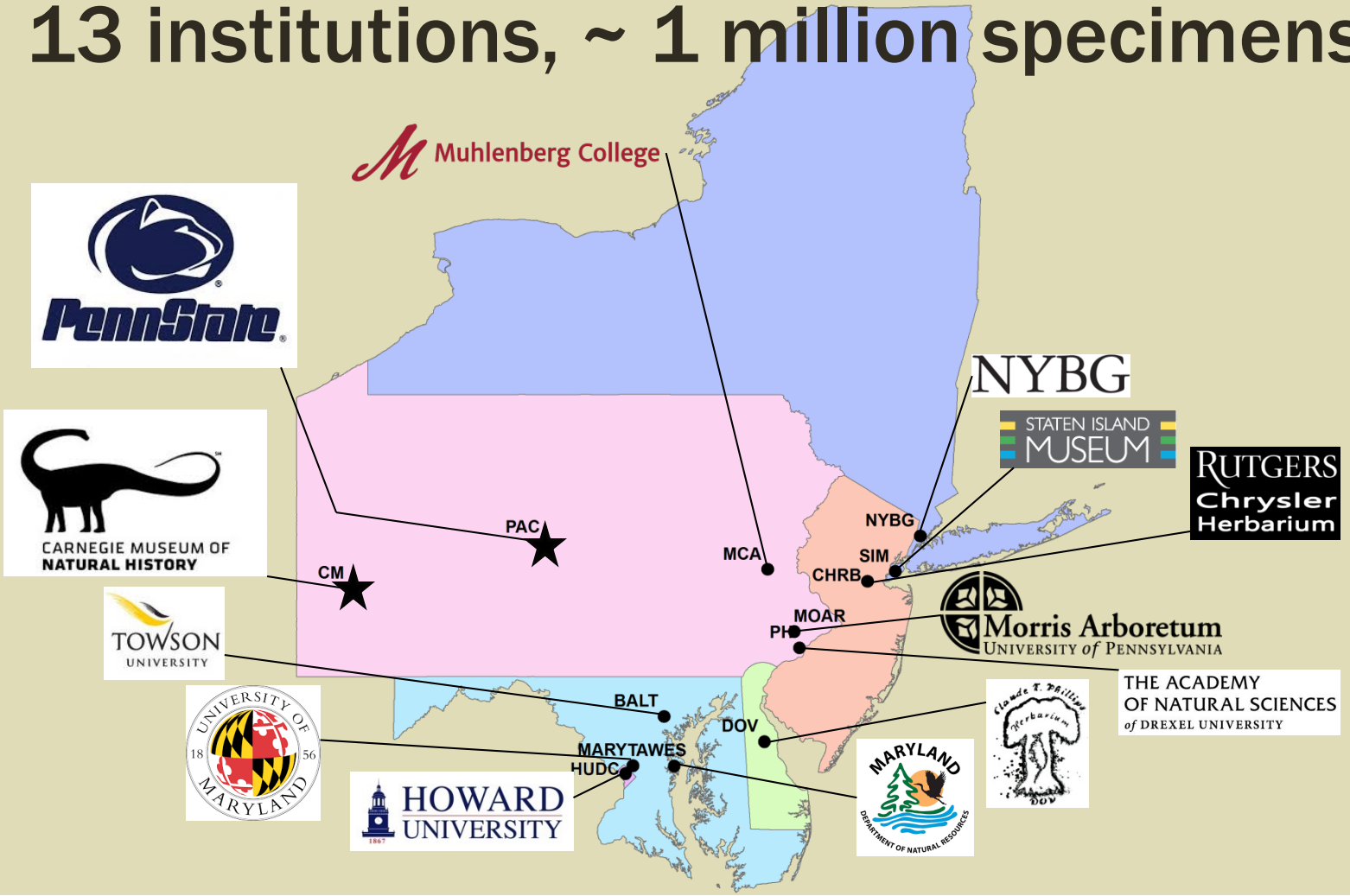

PROGRESS TO DATE: YEAR 3

image → transcribe → georeference

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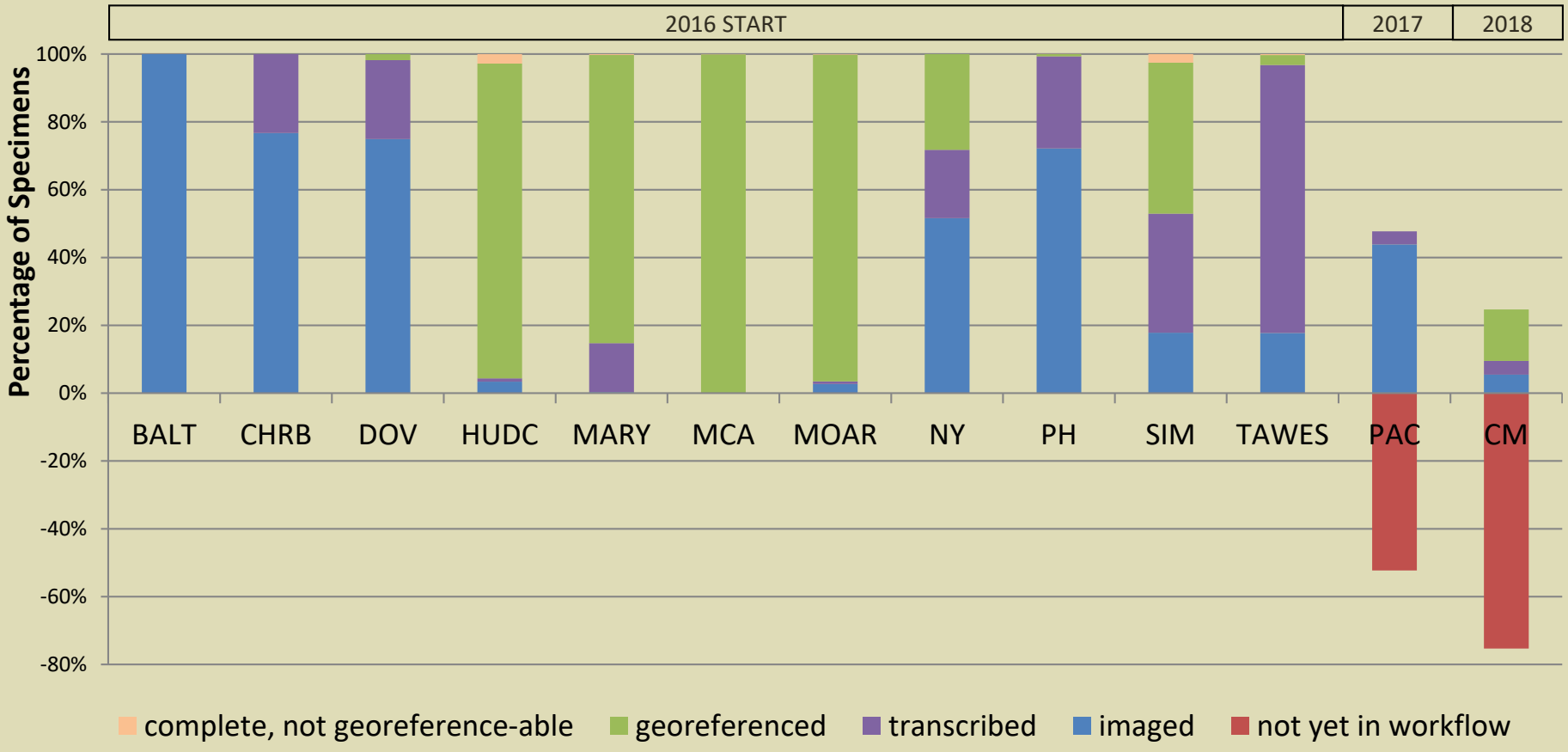

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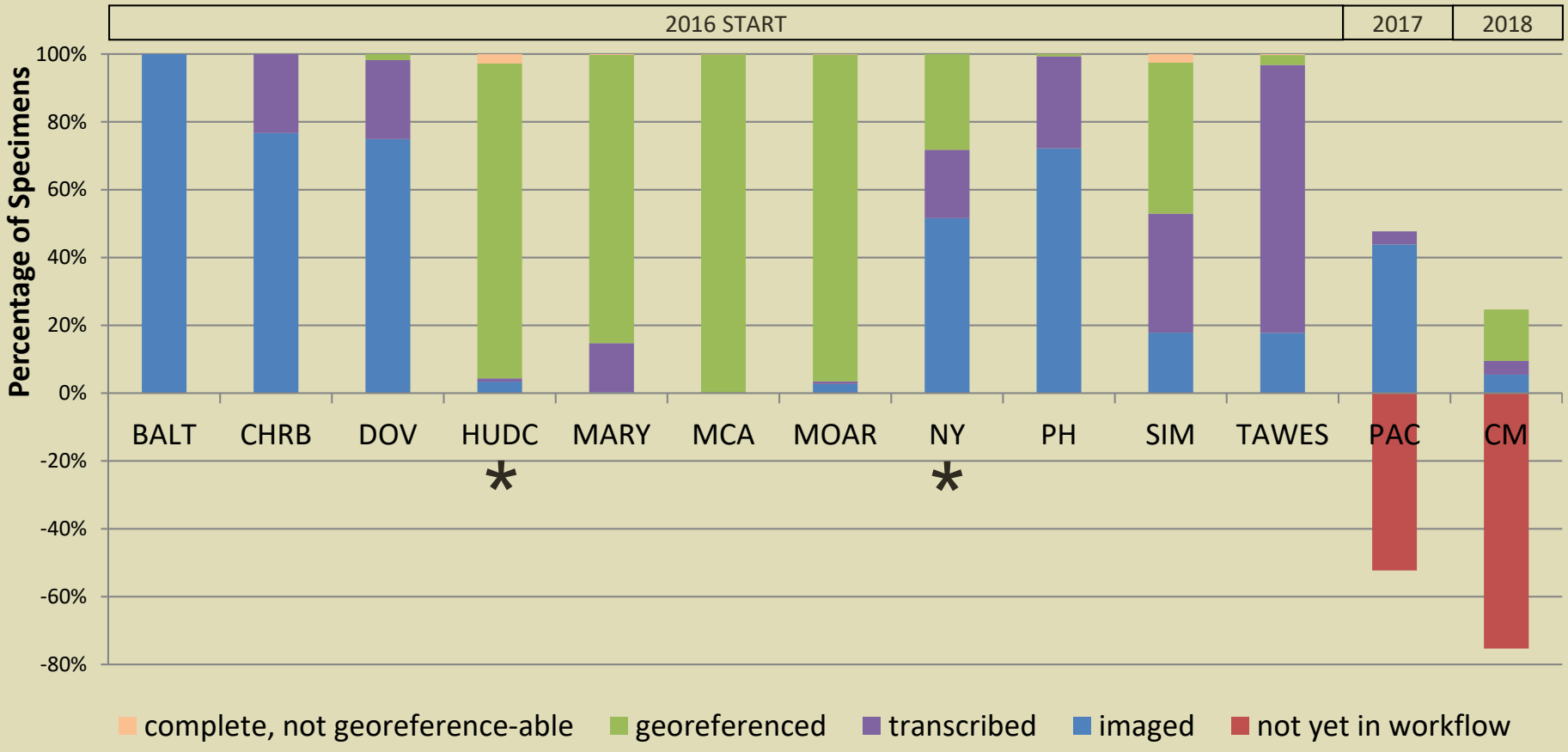

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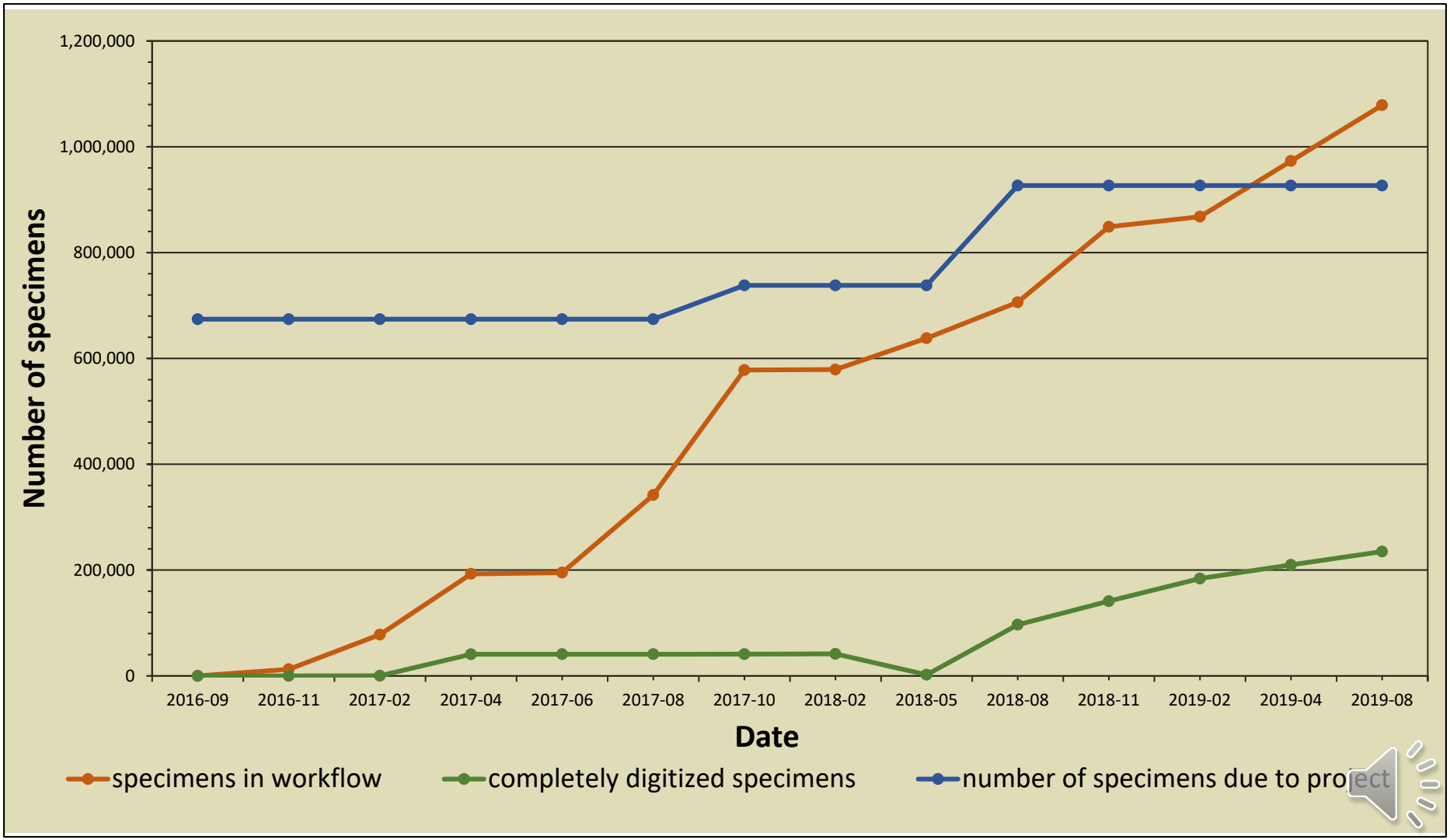

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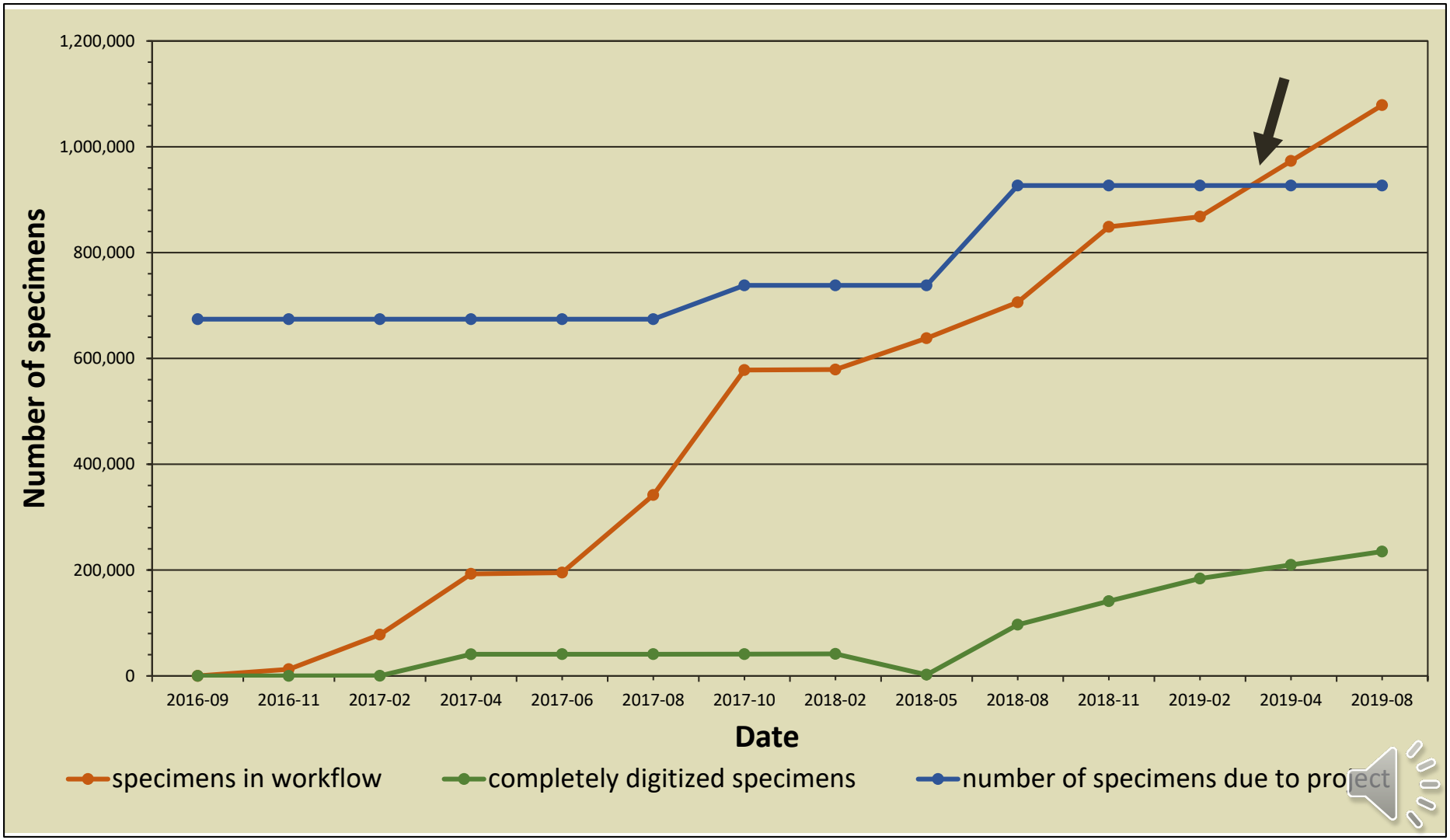

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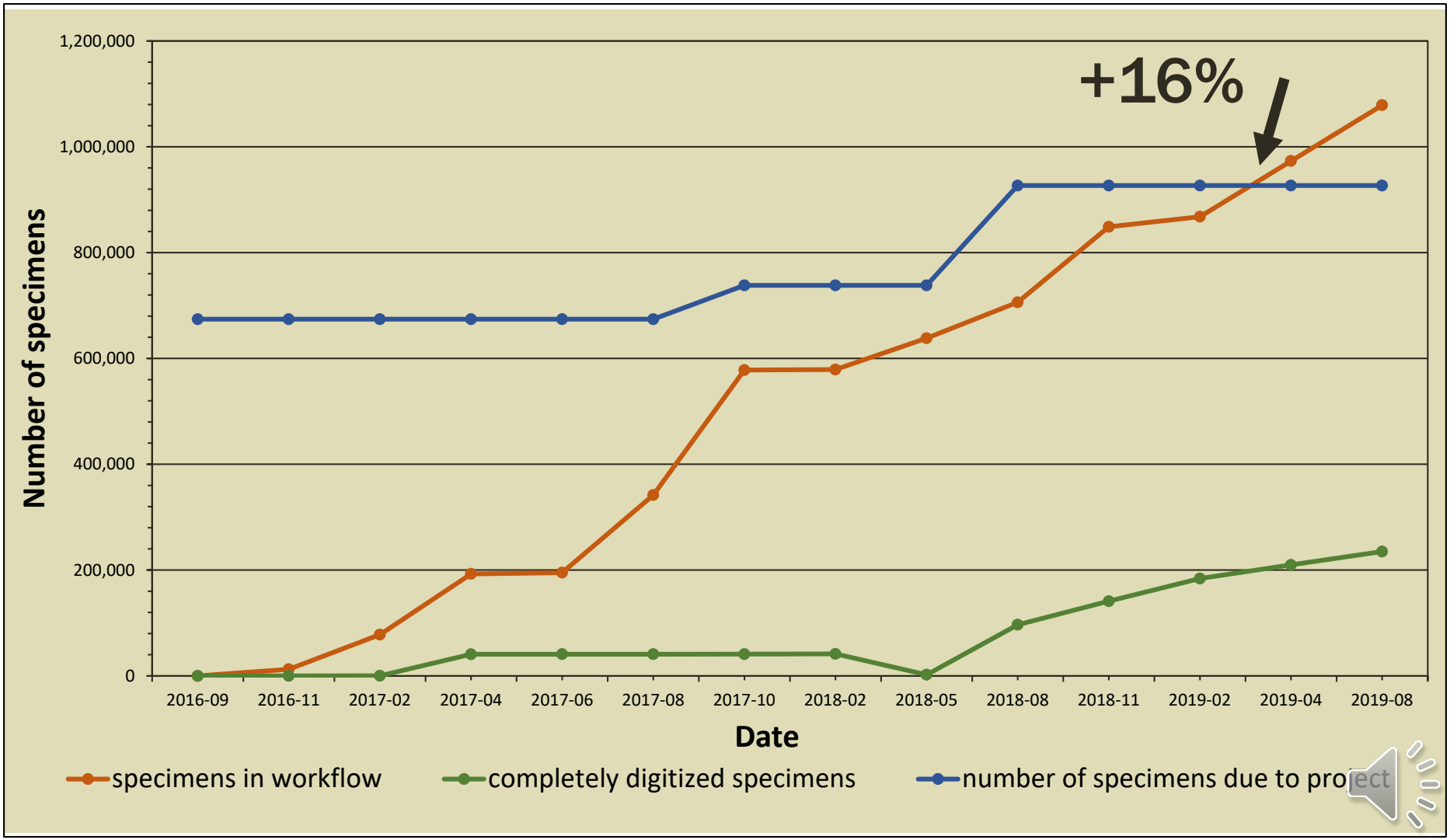

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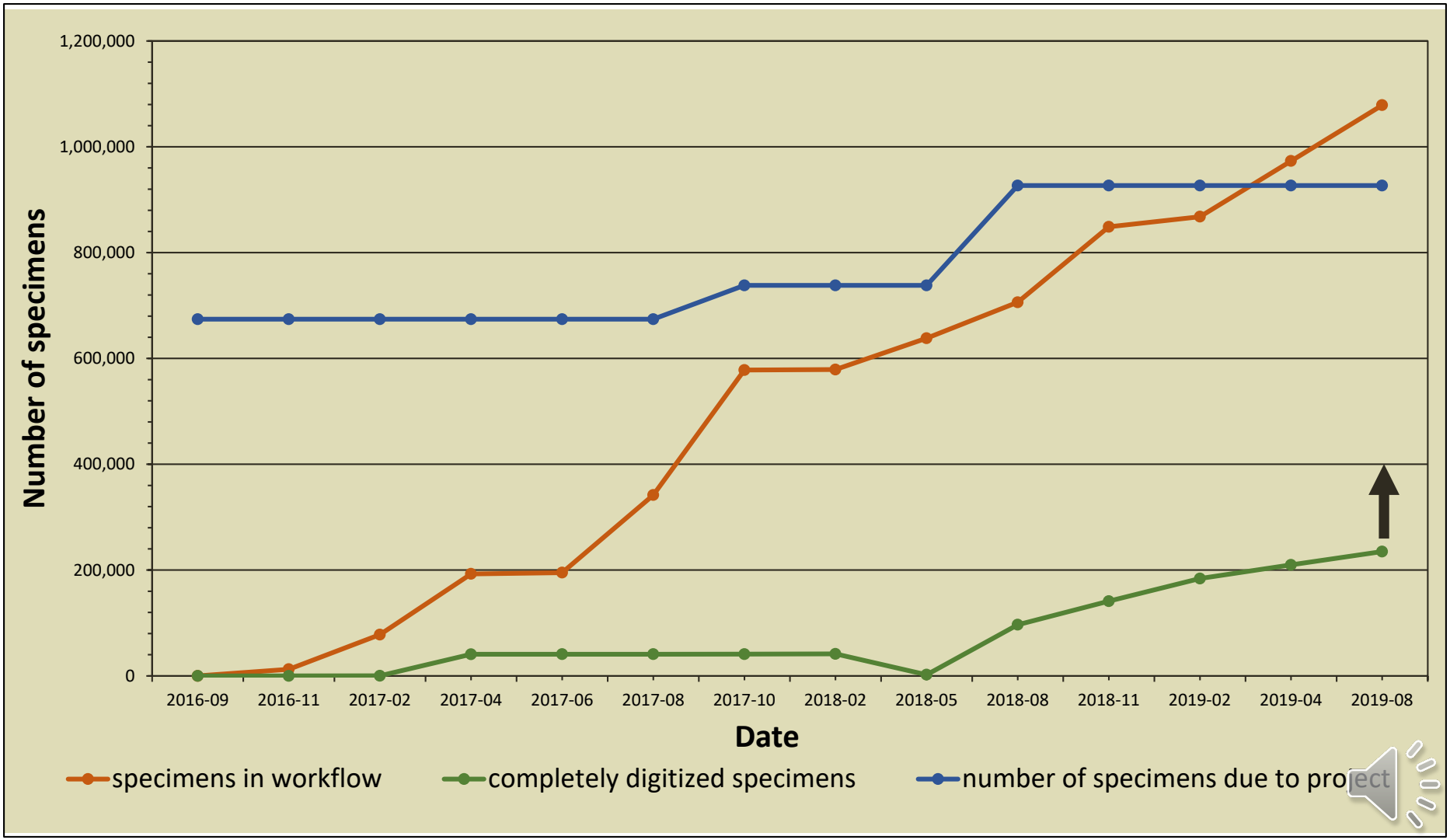

VOLUNTEER TRANSCRIPTION TRAINING VIDEO

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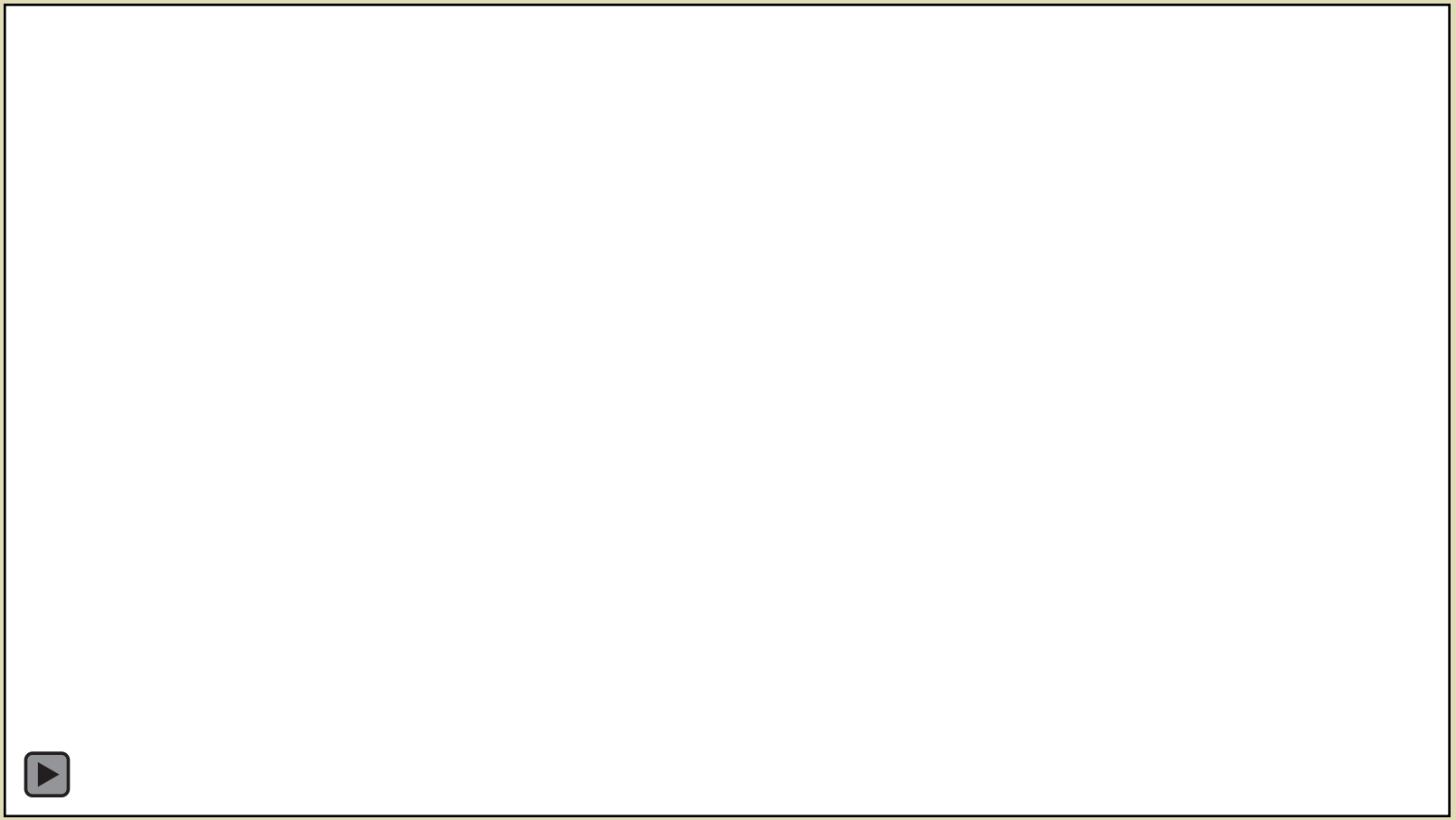

GEOREFERENCING GUIDELINES

- standardize the approach to georeferencing for MAM

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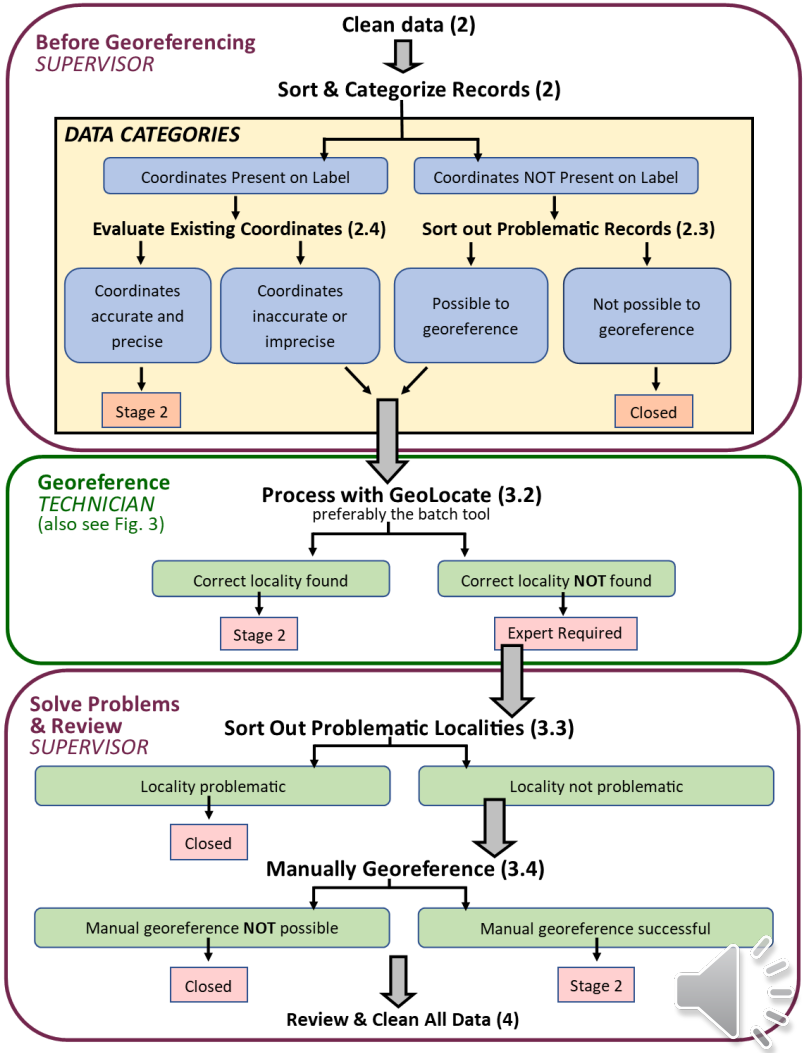
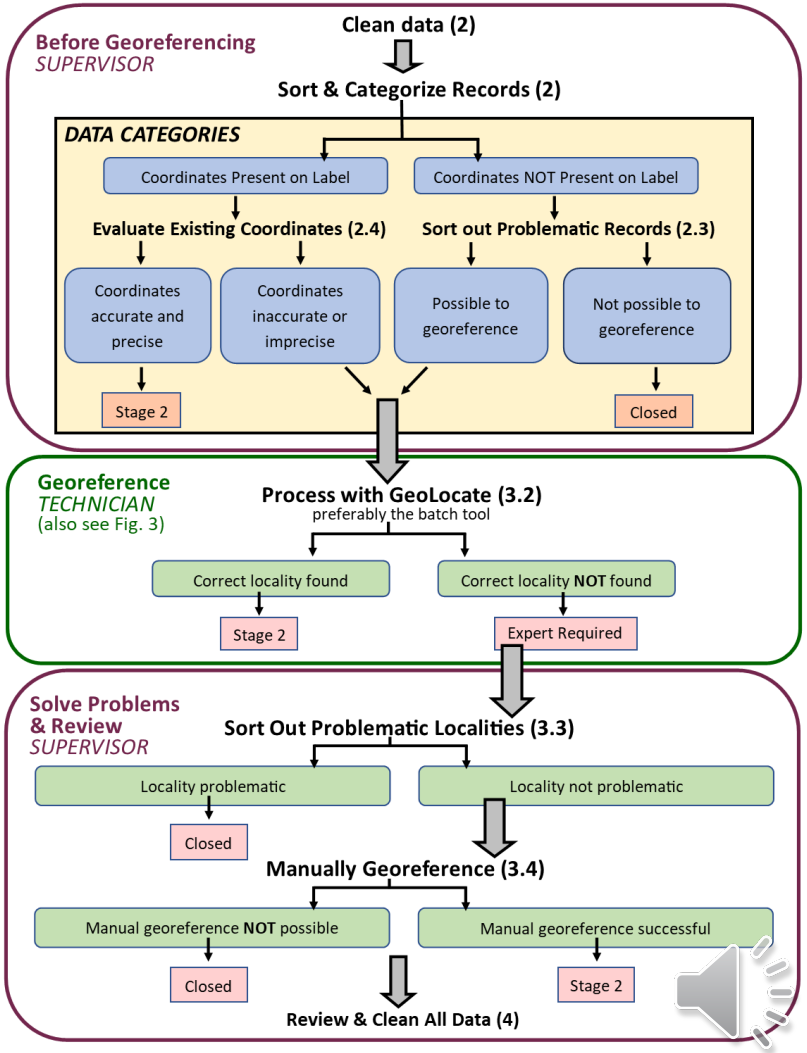
- standardize the approach to georeferencing for MAM
- help organize georeferencing efforts more efficiently in Symbiota using GeoLocate



GEOREFERENCING GUIDELINES

- standardize the approach to georeferencing for MAM
- help organize georeferencing efforts more efficiently in Symbiota using GeoLocate
- tips for georeferencing newbies



IMPROVING IMAGING: FINE FOCUS PROTOCOL

Focus Focus Focus

IMPROVING IMAGING: FINE FOCUS PROTOCOL

- a procedure to improve focus quality in herbarium specimen imaging with Canon cameras
- use standard text target and numeric value to manually focus lens to optimal focus quality → then image batch!

Results

File Edit Font Results

Nr	Image	Min	Max	Mean	S-Dev	Mass	L1
1	temp.tif edges	0	42.451	1.293	2.786	1.927E7	1.927E7

mamdigitization.org

MID-ATLANTIC MEGALOPOLIS

THE PROJECT PARTICIPANTS VOLUNTEER EVENTS NEWS & REPORTING RESOURCES MAM Work Queue MAM Data Portal

RESOURCES

MAM GEOREFERENCING GUIDELINES
by Michelle Mancini, Anne Barber, Timothy A. Block and C. Skema
PDFs:
Georeferencing Guidelines, April 2019

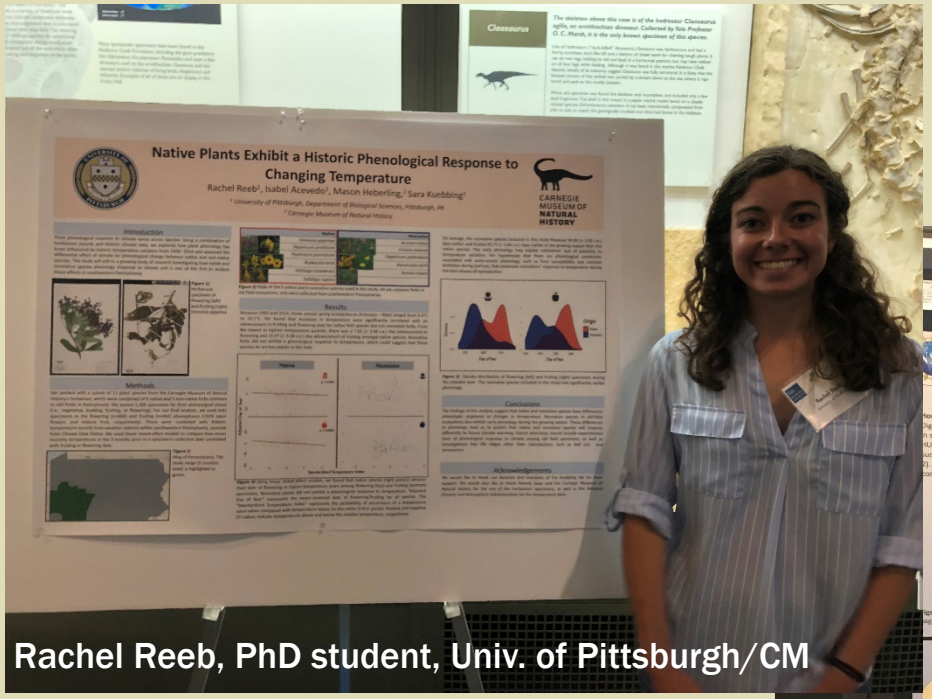
MAM Transcription Training Video here.

FINE FOCUS
by C. Skema, Anne Barber, and T. Block

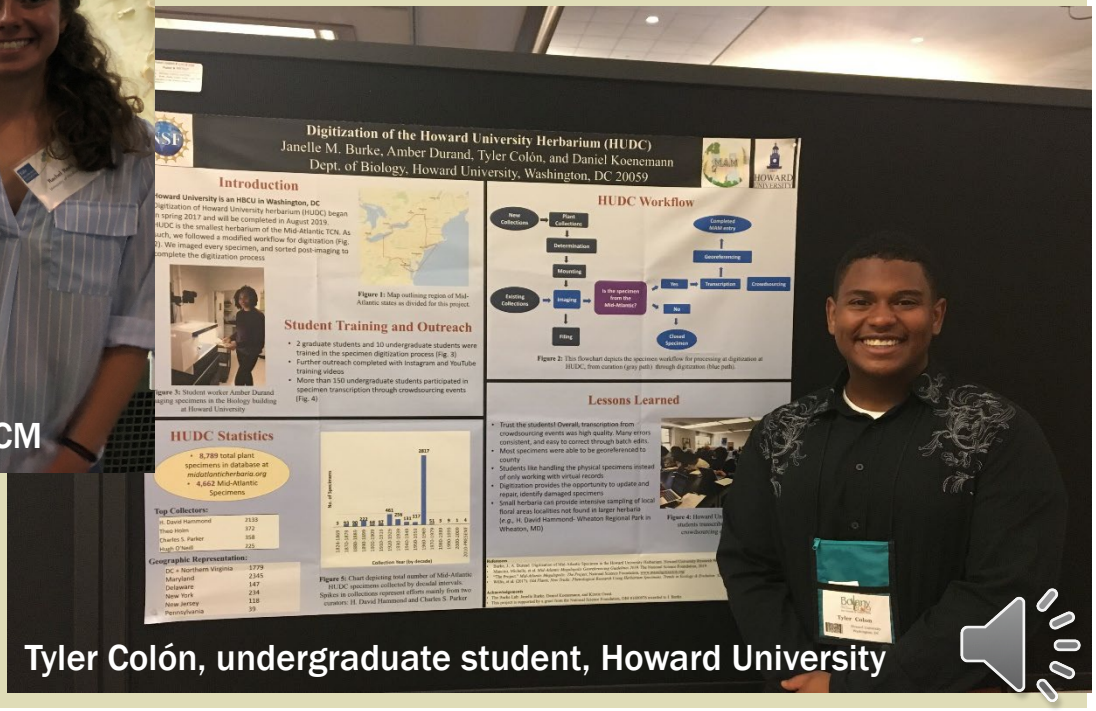
Fine Focus is a method we developed to 1) provide a means for obtaining an objective numeric value that corresponds to focus quality, and 2) to improve focus quality in certain circumstances. You can download the software and a step-by-step instructional guide here (Box link) or here (google drive link). Please contact us with any questions you may have regarding its use.

RESEARCH BEGINS…

- 1 peer-reviewed paper, 14 presentations at conferences



Rachel Reeb, PhD student, Univ. of Pittsburgh/CM



Tyler Colón, undergraduate student, Howard University

“PLANTS IN THE CITY” EVENT

- Year 3 workshop/symposium/conference at Rutgers University

Thank you!

... Questions?

Email midatlanticherbaria@gmail.com