



MID-ATLANTIC MEGALOPOLIS



Morris Arboretum
UNIVERSITY of PENNSYLVANIA

a
new
TCN

Cindy Skema
Wed 2 Nov 2016

MAM PROJECT OVERVIEW

- 700,000 herbarium specimens, vascular plants, from Mid-Atlantic (NY to DC)
- **11** institutions
 - 8 digitizing: HUDC, DOV, BALT, MARY, CHRB, NY, PH, MOAR
 - + TAWES, SIM, MCA
- effects of urbanization on flora – largest & oldest urban corridor in the US

DATA MANAGEMENT & PUBLICATION

- Symbiota (SEINet d.b.)
 - “live” collections, except NY
 - portal (midatlanticherbaria.org) & collections built
 - contributed data: ~30,000 records PH, ~21,000 NY
 - new data: ~7,000 images for MOAR
 - images archived (dnngs) and served from PH
 - metadata harvesting & processing scripts complete
 - 72 TB SAN storage array + 2 servers purchased
- data published as DwC-A to iDigBio

RESEARCH USES OF DATA

- urban research initiatives at Rutgers, co-PIs Aronson & Struwe
 - UrBioNet (NSF RCN)
 - 3rd year methods workshop
- undergraduate course use



TCN MANAGEMENT & SUSTAINABILITY

- Project Coordinator
 - interviews held
- 'single' workflow
 - hands-on Training Workshop Sep 2016
- advantage of proximity
- tying into regional botanical efforts
 - 1st PEN application – PAC
- data sustainability
 - lifetime upgrades & data migration for PH array/servers
 - Symbiota

LESSONS LEARNED SO FAR...

- increasing efficiency – every little bit counts
 - barcoding/stamping simultaneously
 - utilizing duplicate collecting events in transcription
- dedicated volunteers rock, but maybe not social?

THANK YOU!



HOWARD
UNIVERSITY

RUTGERS
Chrysler
Herbarium



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NYBG

