

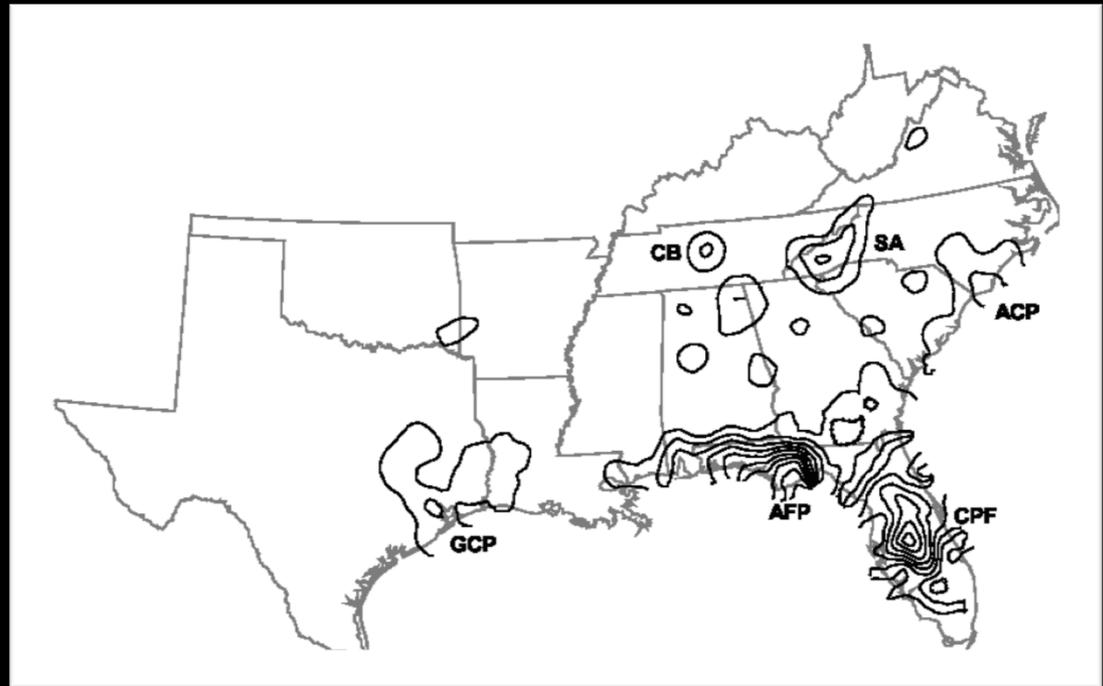
SERNEC - TCN: Current status, citizen science and outreach activities

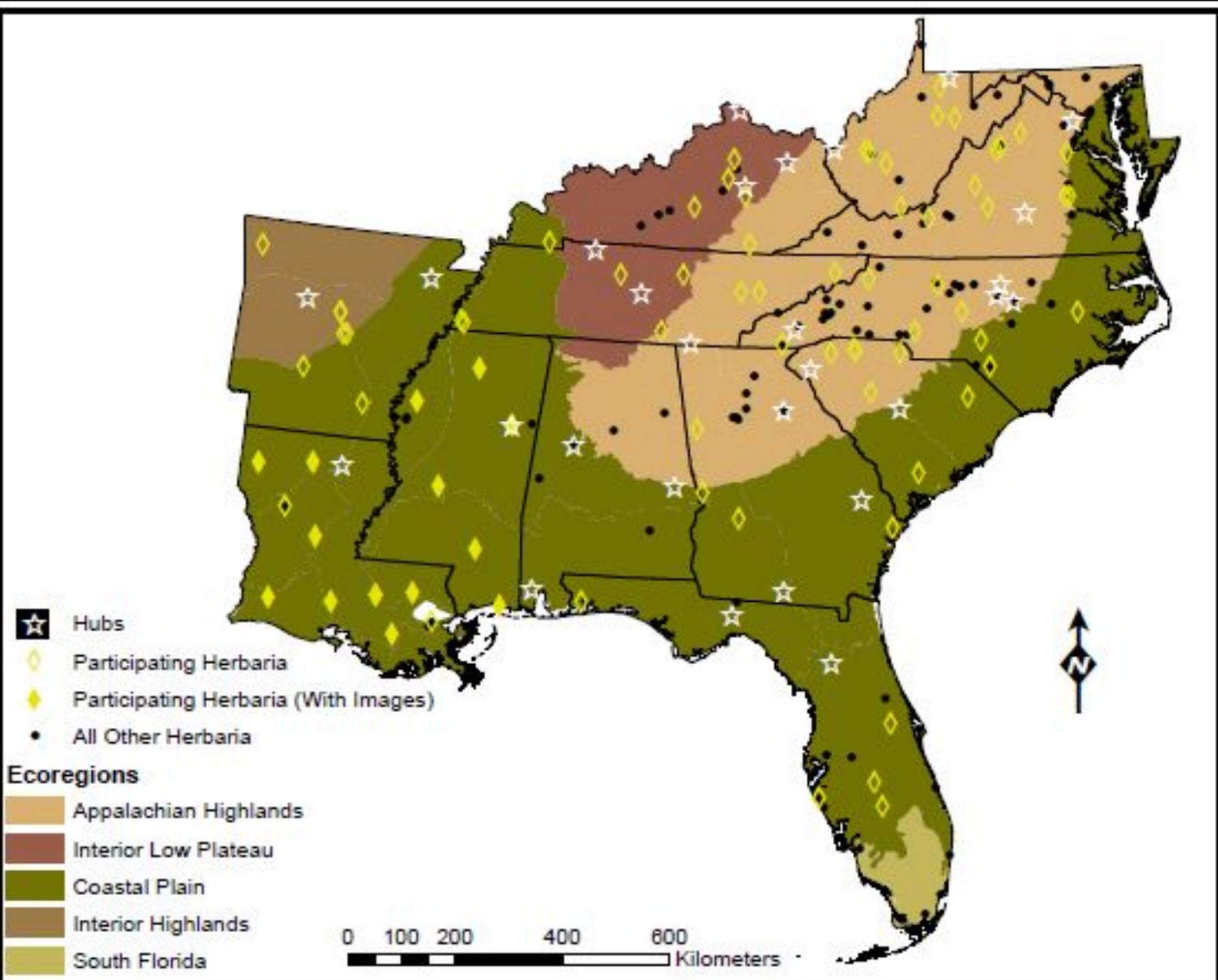
M.W. Denslow & Zack Murrell
iDigBio Summit 2015



The Project

- Southeastern U.S. vascular plants
- 93 collections
- 12 states
 - 28 hubs
- 6 partners
- 4.5M specimens





Workflow

Image / Skeletal Data Capture

Transcription / Georeferencing

Mobilization / Repatriation



Data Management

- Symbiota central
- Interoperability with other tools
 - iPlant infrastructure
 - Notes From Nature
 - GEOLocate
- Preservation
 - Images (iPlant)
 - Database (iDigBio)

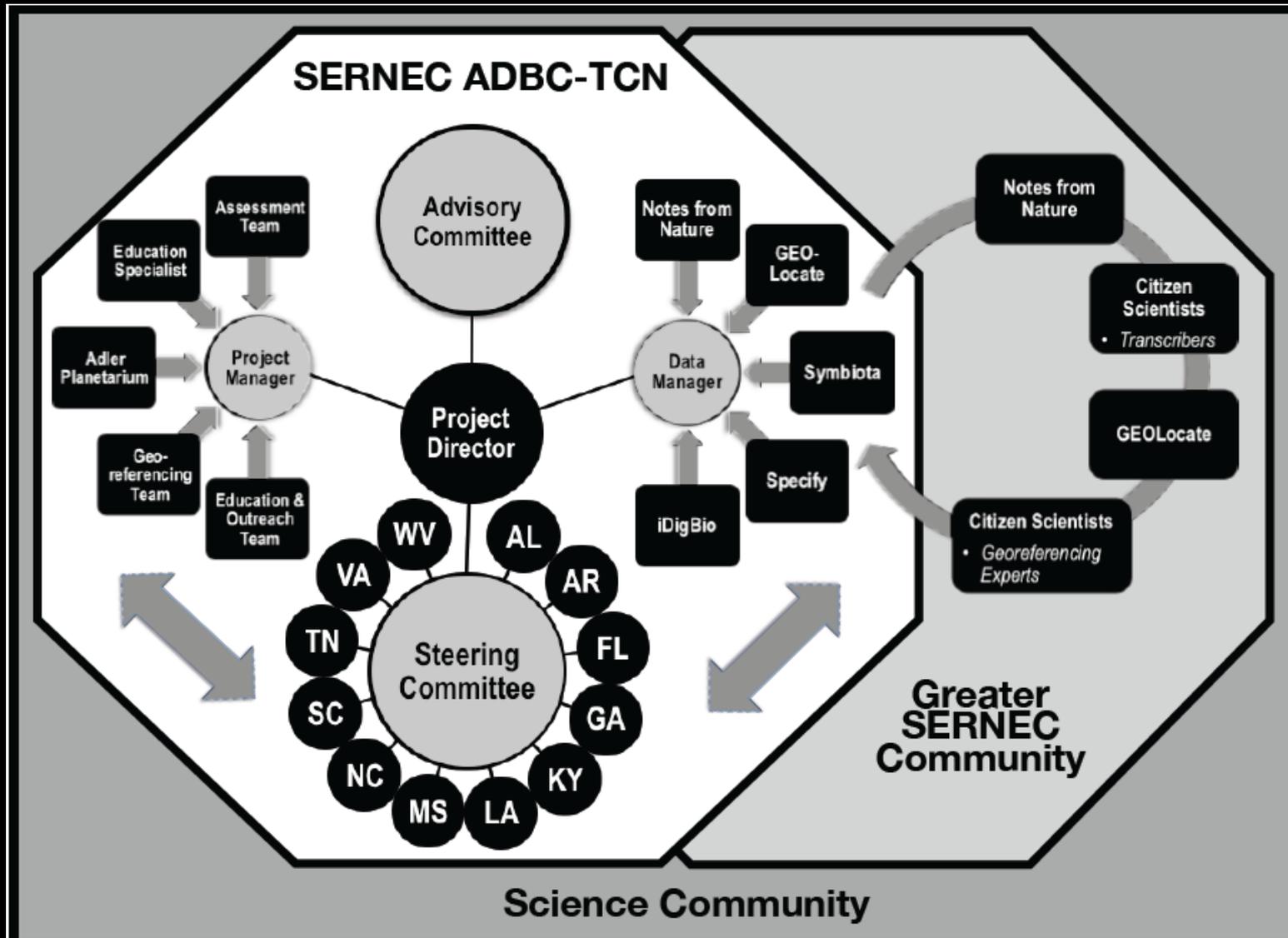
Open access to data

- Standards
 - Darwin Core
 - Audubon Core
 - Licensing (CC BY 4.0)
 - Open image formats
- Portals

Research Use of Data

- Enable research on:
 - Biogeographic, ecological, evolutionary hypotheses
 - Paleo- and neo-endemism
 - Species invasion and proliferation
 - Impacts of climate and land-use change on species distributions
 - Management plans for species recovery
 - Conservation planning and reserve selection

Management & Oversight



Broader Impacts

- Student training
 - 52 students
- High School lesson plans
- Citizen Science
 - 4 collections leveraging Notes From Nature
 - 5 WeDigBio events
- Publication
 - <http://dx.doi.org/10.3732/apps.1500065>

Thank you!



Notes from **Nature** .

