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Mobilizing New England Vascular Plant Specimen Data



to Track Environmental Changes





PROGRESS



DATA MANAGEMENT & ACCESS

All images on CyVerse (iPlant)

- Digitizing institutions data managed in authoritative database
 some are collecting/managing data via an intermediary application
- Smaller partner institutions are managing data directly in Symbiota
- All project data mobilized through CNH portal (Symbiota)
 data imported via rdf/XML, direct push from Specify, spreadsheets
 additional data capture in Symbiota
 90% in portal
- Project data shared with iDigBio
 DwC-A ingest from Symbiota, IPT
 90% in iDigBio portal



RESEARCH USE

Data demographics

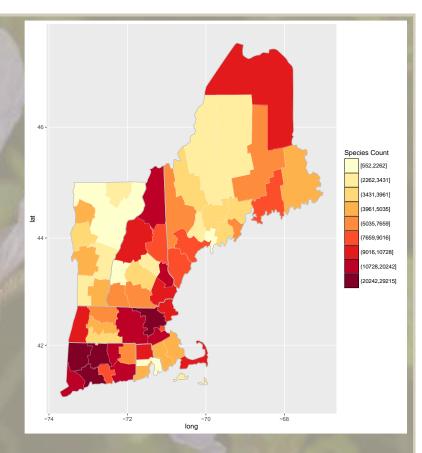
Assessing fine-scale sampling bias in herbarium specimens Assessing additional patterns

Papers

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Bellemare, J., & Deeg, C. (2015) Spalink, D. et al. (2016) Gallinant, A. et al. (in prep)

Phenology scoring





MANAGEMENT & OVERSIGHT

Collaborators managing activities at their institutions mostly in contact with lead via email some face-to-face site visits Lead institution manages overall project monitors upload of images to CyVerse monitors import of data into the portal monitors upload to iDigBio Yearly in person meetings Portal managed under umbrella of CNH Steering committee with individuals from member institutions Member institutions committed to maintain portal (contribute staff member time)



LESSONS

 Fail early and fail often Software/hardware/workflow development, execution, etc.
 Don't reinvent the wheel lot's of great software, workflows, and expertise out there – use it



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Symbiota Project



FilteredPush



iPlant Collaborative[™] Empowering A New Plant Biology



Biota of North America