

A Glimpse Into TaxonWorks Nomenclature Curation

at Paleo Data Happy Hour



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Species
File
Group



ILLINOIS NATURAL
HISTORY SURVEY
PRAIRIE RESEARCH INSTITUTE



The Species File Group

A software development community
building tools that facilitate natural
science specimen cataloging,
description, and study of life on Earth.



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Who is the Species File Group?

a software development community --- building tools that facilitate natural science specimen cataloging, description, and study of life on Earth



Deborah Paul



Dmitry Dmitriev



Yuri Ruskov



Dmitry Mozzherin



Rich Flood



Geoff Ower



R. Edward DeWalt



José Luis Periera



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Matt Yoder

<https://speciesfilegroup.org/about.html>

On today's TaxonWorks journey:

Semantics

- People
- Identifiers
- Alternate values
- Sources
- Nomen

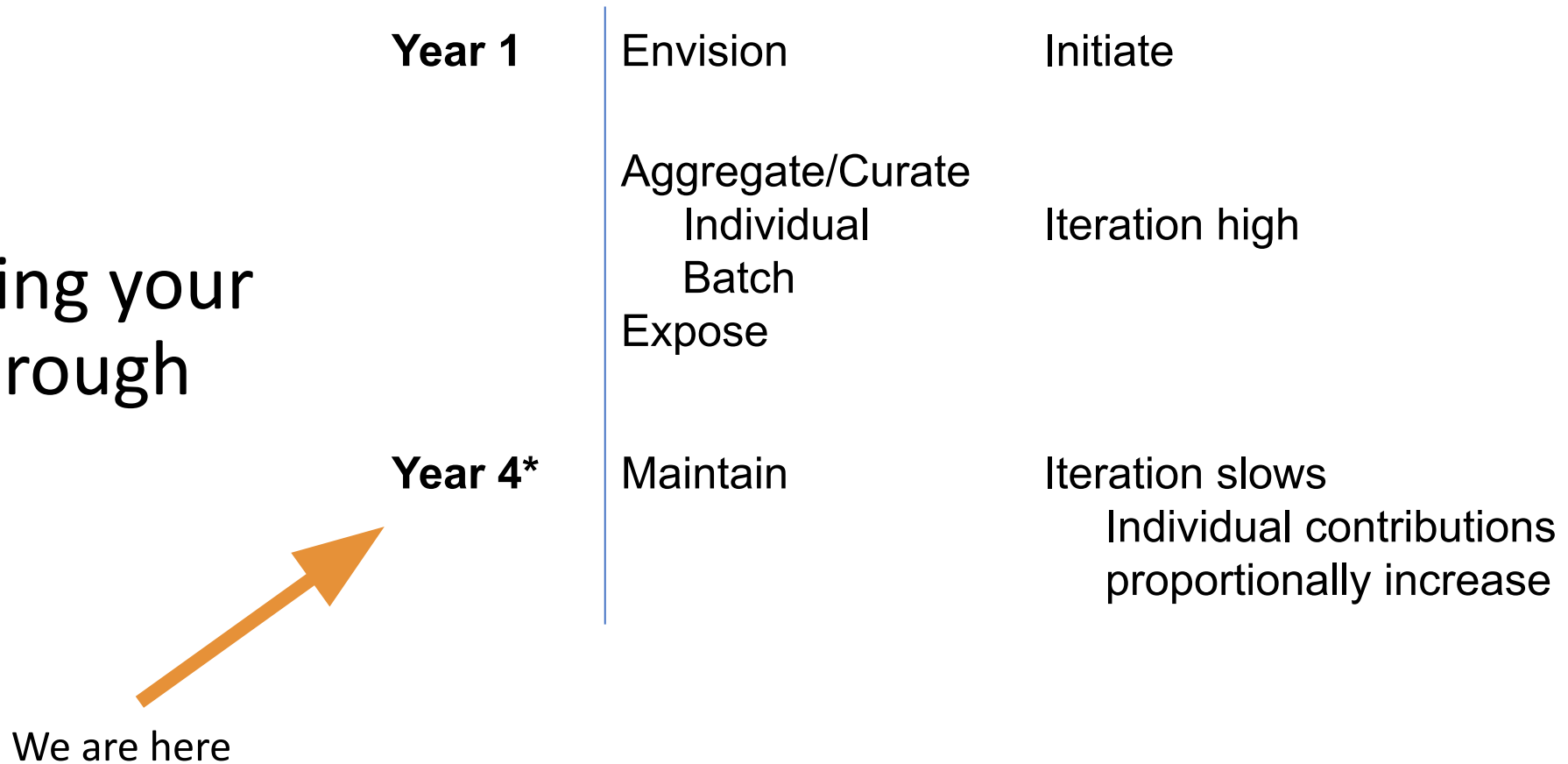
User Interface

- Prediction
- Soft validation
- Smart selectors
- Annotation
- Pinboard

Query and report

- Filters
- Activity
 - Tables/plots
- Catalogue of Life, DwC Archive, CSV
- API

Imagining your data through time.



* Time is project dependent, but typically (much) longer than anticipated

To the browser!

- add a source
 - add **Person**
 - **Pinboard**
 - **Smart selectors**
- add a name
 - **Predictive** context
 - link to **People**
 - **Identifiers**
 - ORCID e.g
 - **Alternate values**
 - add a **Citation**
- add a synonym
 - **Soft validation**
 - **Logic/reasoning with NOMEN**
- add a **Note (annotation)**
- reporting
 - taxon name **filter**
 - 3i example
 - project **activity**
 - **Graph**
- Export
 - **CoL**
 - **API**
 - autocomplete
 - valid name (from you browser)



3i Auchenorrhyncha

TASKS

DATA

FAVORITE

FILTER CARDS

Filter cards by text description



CATEGORIES

Filters

Browse

New

Nomenclature

Source

Collection

Collecting

Biology

Matrix

Dna

Image

STATUS

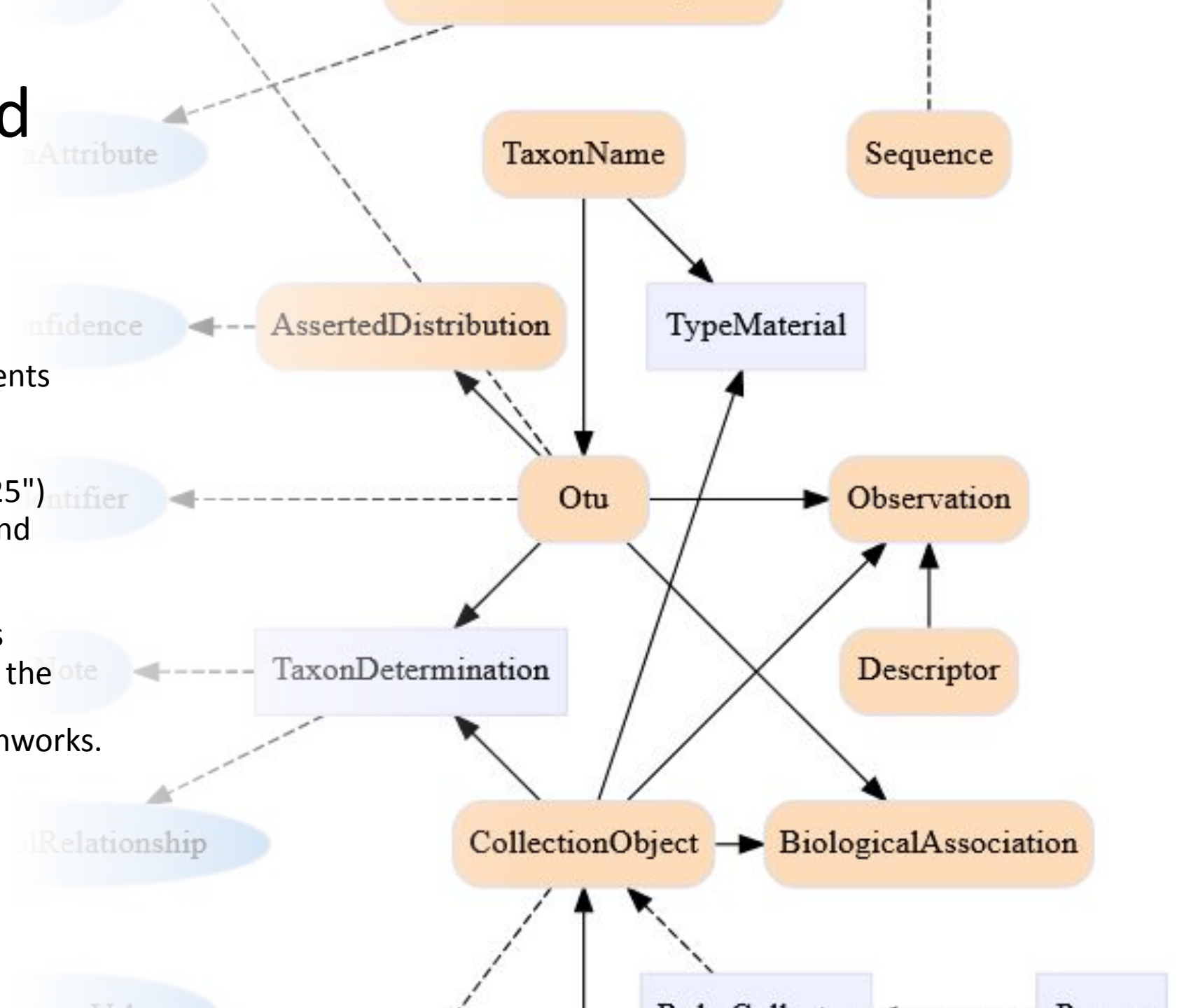
Status

TaxonWorks Nomenclature: a glimpse

Browse annotations**Browse nomenclature and classification****Catalogue of Life (CoLDP) export****Citations by source****Darwin Core Archive import****Download nomenclature****Filter nomenclature****Gnfinder playground****Match names****New combination****New taxon name****New type specimen****Nomenclature stats****OTU distribution****Project activity****Synchronize nomenclature and OTUs****Uniquify people**

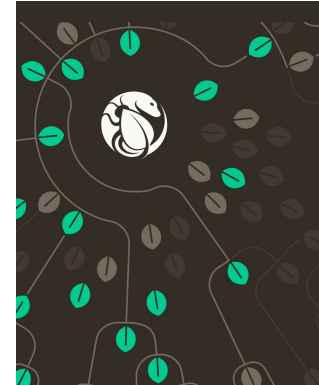
Next steps and future discussions

- Working with you – SFG Events
- Big Topics
 - Nomenclature vs. its application ("Genus 125")
 - Imports, APIs, ORBs, and sharing
 - Ranks, Taxon concepts
 - Multiple classifications
 - Exploring the depth of the model
 - <https://docs.taxonworks.org/data>



Find out more

- The community, find us on Gitter
 - <https://gitter.im/SpeciesFileGroup/taxonworks>
- The open-source code base, on GitHub
 - <https://github.com/SpeciesFileGroup/taxonworks>
- The documentation, soon to be at
 - <https://docs.taxonworks.org/>
- Events coming up
 - <https://speciesfilegroup.org/events.html>
- Subscribe to this email list
 - <https://lists.illinois.edu/lists/info/sfg-announce>
- On Twitter @TaxonWorks



TaxonWorks