



# NEW INNOVATIVE APPROACHES TO COLLECTION DATA ENTRY AND DATA STORAGE

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# What is Specify?



- ALLOWS FOR efficient computerization and management of biological collections and mobilization of specimen information onto the Internet.
- CONSISTS OF a highly customizable, forms-based interface, powerful querying tools and robust report designer for printed output.
- AIMS TO advance biological collections computing, communication, and collaboration through software and services provided.
- FREE Distributed and licensed at no charge for nonprofit collections.

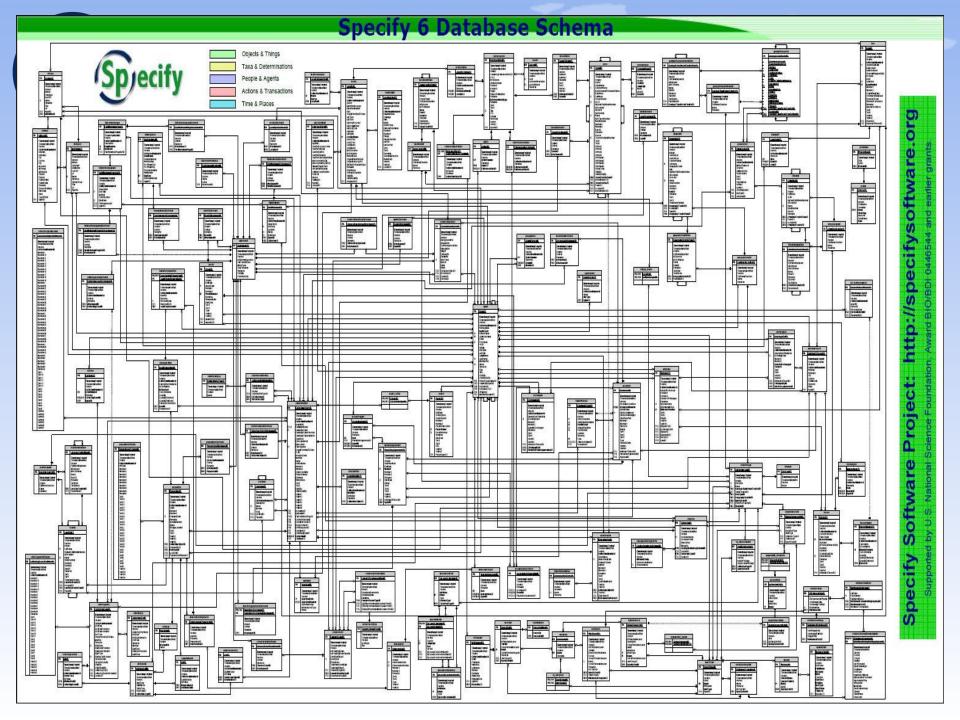
http://specifysoftware.org



### Specify 6



- Many other systems out there KeEmu,
   Past Perfect, Index Kentukiensis,
   Collections Space, Mantis, Multi-Mimsy etc.
- Most have limitations or cost prohibitions for small to medium sized museums
  - Cost
  - Flexibility and customization
  - All disciplines \*
  - Open source community driven
  - Wealth of features
  - Support and longevity





- Representation of all Natural History disciplines
  - Over 435 collections in 29 countries
  - Over 160 US institutions in 48 states
  - Over 10 million specimens cataloged
    - Increasing all the time



### Specify 6

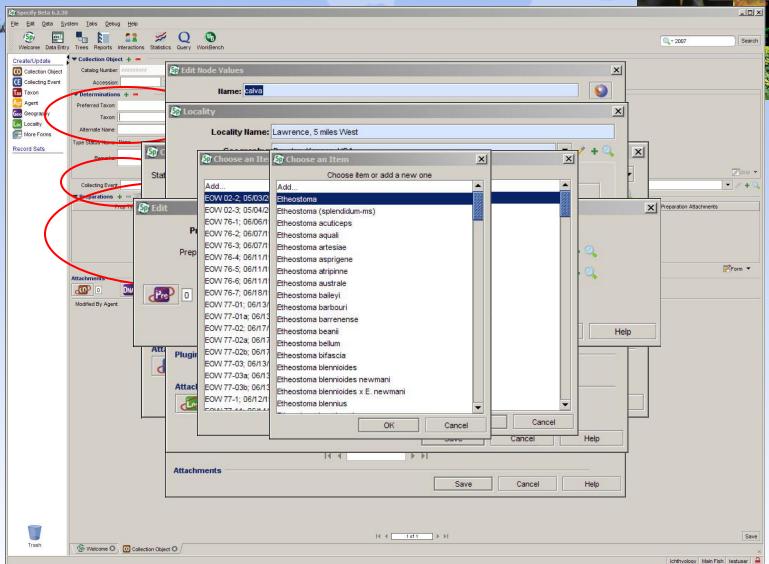


- Collections management platform pluggable components
- Multi-collection/discipline capable
- 3<sup>rd</sup> party applications GEOLocate, Google Earth
- Web services and online providers ITIS,
   Fishbase, Lifemapper
- Strategic Partnerships Filtered push (Harvard), botanical OCR (Michigan), image bank (MorphBank) and DNA (BCoL)
- Staged, frequent releases with added functionality smart update



## Data entry

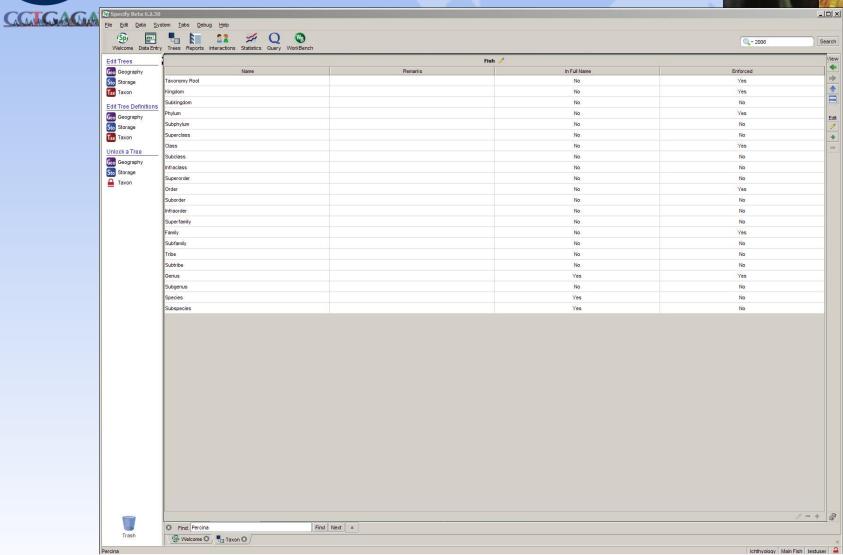




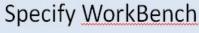


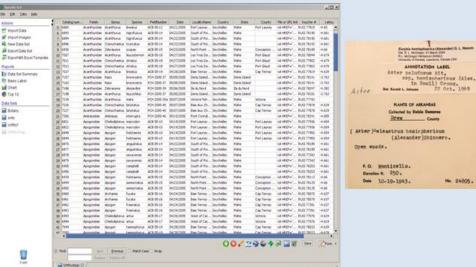
# **Trees**

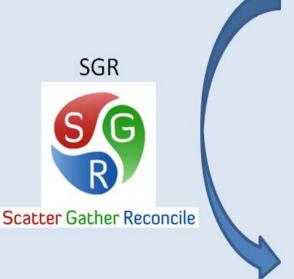




### Label image Aster palufosus Att. 22, hemisphericus (Alex. in Small) Cronq. 4 Komat. Danne 27 Oct. 1969 Collected by Dalole Demorae ( Aster ) Heleastrus hesispherious (Alexander ) Shinners. F. O. Monticello. Date 10-19-1945. No. 24805 .



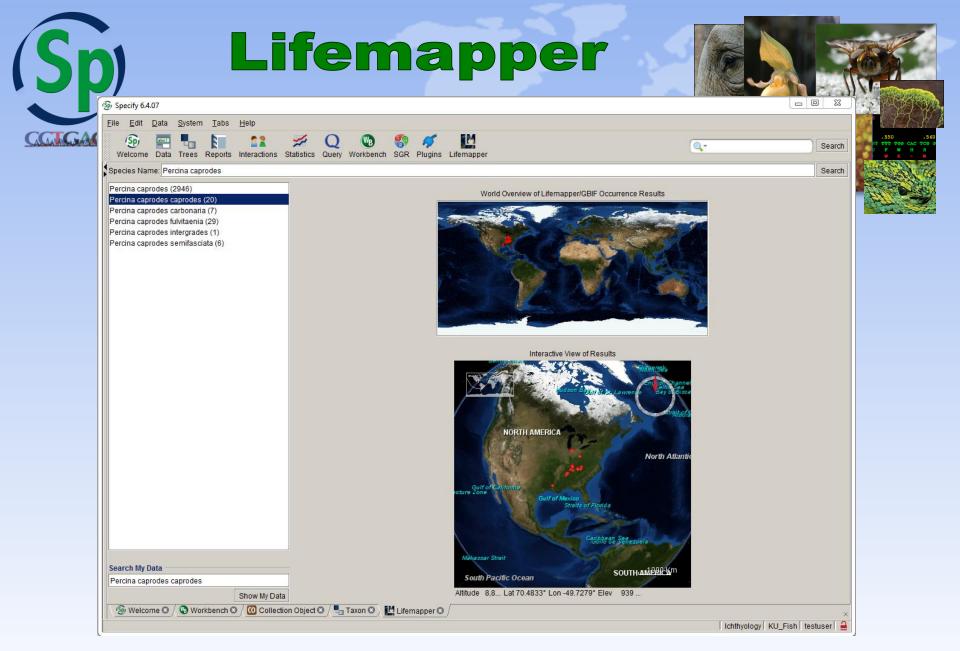








Import into Specify database



http://www.lifemapper.org



### **GBIF IPT**



### SC

OI C

#### Source Data

Please upload your data as tab delimited text files or define a SQL view to pull it from a database. You will need to map the main, core records to the Darwin Core terms in the next step, so if you can, please adjust your source data accordingly. For the main "core" records, please also make sure they have a unique identifier per row.

You can define as many sources as you like and you will be able to upload additional information to complement a core darwin core record. For this to work, your additional sources need to refer to your core identifiers, i.e. have a foreign key. They don't need their own identifier though.

Files currently cannot be larger than 100MB, but you can compress 1 or more files using zip. They will be unpacked on the server automatically.

#### File Data Sources

Q KUIDC2 [13,956kB, Nov 4, 2009 11:42:19 AM]

contains headers

Update Delete

#### Select a source file

Browse...

Upload

SQL data sources are sql select statements to an external relational database (like views). The IPT can pull data from those databases when updating the internal cache.

#### SQL Data Sources

#### No Database connected. Please adjust connection parameters to use SQL sources.

Edit

### KU Ichthyology Collection

modified, not registered

Publish

#### Resource Metadata

Basic Metadata
Resource Originator
Geographic Coverage
Taxonomic Coverage
Temporal Coverage
General Keywords
IPRights
Research Project
Methods

#### Resource Configuration

Source Data Mappings Validation

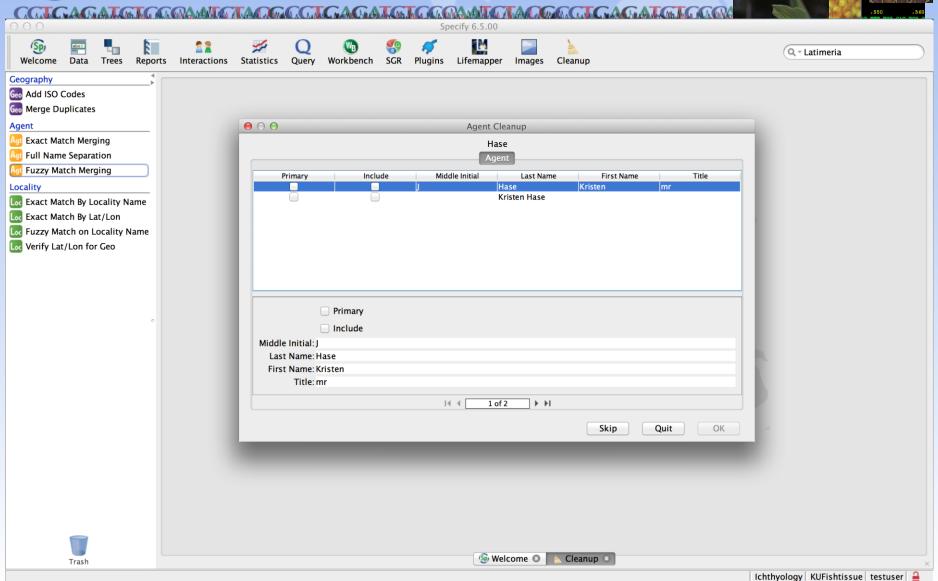
#### Recent Resources

KU Ichthyology Collection



### **Data cleanup tools**



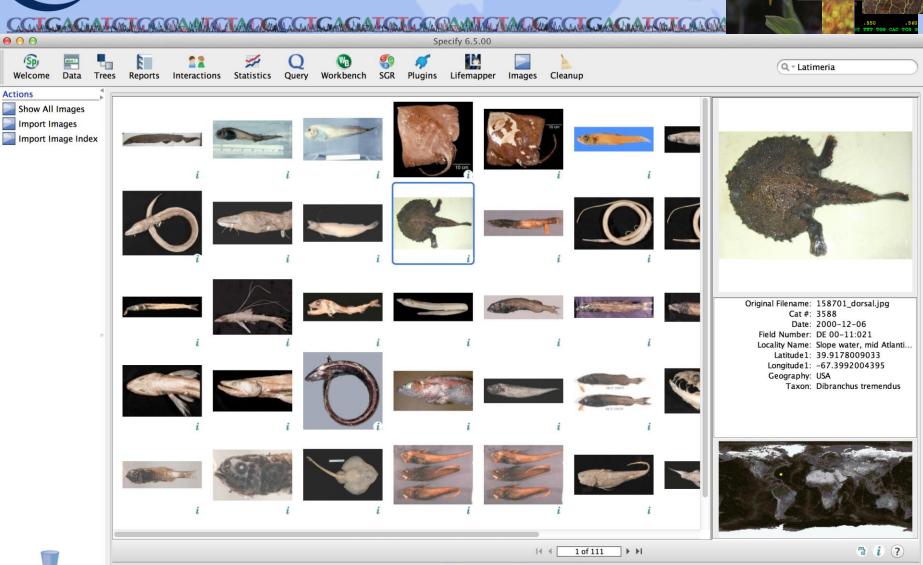




Trash

# **Image browsing and import**



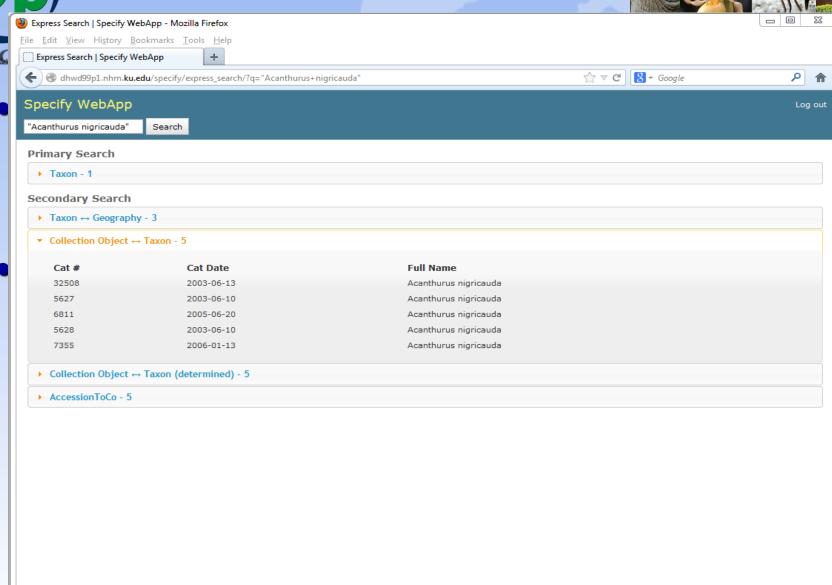


Welcome 
 □ Images 
 □



### Move to the web



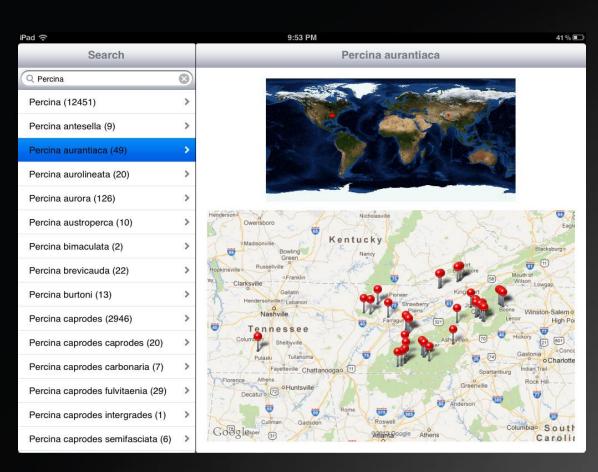




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### iPad applications









## Thank you

