iDigBio Mollusk Digitization Workshop
at the 83rd American Malacological Society meeting
Agenda

Saturday, July 15

6pm Dinner at Caffé Gelato in Newark, DE. Gathering event to make introductions and go over the schedule and define scope of work for the meeting.

Sunday, July 16

Mollusk Collection Digitization: current status, efficient workflows and finding new ways forward

8:30 – 8:45 Introduction to the Mollusk Digitization Workshop (Sierwald, Shea, Bieler, Rosenberg)
8:45 – 9:00 **Presentation:** Introduction to iDigBio & weDigBio (Paul, Love)
9:00- 9:15 **Presentation:** GBIF Task Force Survey of Mollusk Collections (Deb Paul)
9: 15 - 10:15 **Presentation:** The US Mollusk Collections. 2 minute talks to introduce each collection, assembling workshop group around each poster
10:15- 10:30 **Presentation:** Status of our collections with survey results (Bieler)

10:30 – 11:00 Coffee Break

11:00- 11:15 **Presentation:** Introduction to Symbiota InvertEBase Portal for Mollusks: data entry plus dissemination (Shea)
11:15 – 12:00 **Discussion: The trouble with Mollusks**:

- What is the goal of collection digitization?
- What does the ideal digitized mollusk collection look like?
- Prioritizing collections within an institution and across institutions for digitization
- Current digitization funding and support, institutional support?

12:00 – 1:00 LUNCH

1:00 – 2:30 **5 Break-out sessions on Problems & Solutions**

1. **Digitizing by preparation type**
   a. Collection types: wet vials, dry vials, dry lots, slides
   b. Pre-curation
   c. Archival rehousing
   d. Assembling data entry workflows
2. **Data entry, workflow**
   a. Steady back ground data entry
   b. Retrospective data entry
   c. New approaches: Bar coding, voice recognition
   d. Data base options, entry stations
   e. Data entry staff, Crowdsourcing
3. **Adding new data to old records**
   a. Process/workflow set up
   b. problems arise by adding photographs
   c. imaging
   d. Integrating new data and legacy data
   e. Digitized legacy data in spread sheets and other flat files
   f. Auxiliary files: field note books, expedition reports
   g. Imaging specimens, equipment
4. **Data Quality Assurance/Quality Control (QA/QC)**
   a. Utility of the online data: transaction, loan tracking, accessions, data presentation
   b. Taxonomic Authority files, catalogs
   c. Georeferencing
   d. Research use of data
   e. Crowd sourcing
5. **Collaboration, dissemination, feedback**
   a. portals, GBIF
   b. sharing resources, equipment across institutions
   c. Data use, stakeholders
   d. Data feed-back to collection from users and stake holders

2:15 – 2:30 3 min "Report Backs" from each breakout group = 15 min.

2:30-3:00 COFFEE BREAK

3:00 – 4:30 **Discussion: How can we standardize and find efficiencies?** (Bieler and Rosenberg)

Break out session reports

Solution discussion, innovative solutions

Based on the today's introduction to the status of the US mollusk collections and our understanding of all the troubles we routinely encounter, is there a better way forward? What are the biggest conceptual hurdles to advancing mollusk digitization and mobilization? How can we prioritize these issues to get the most progress for the least cost?

6pm Dinner at Caffé Gelato.

Monday, July 17: Georeferencing: North American terrestrial, aquatic, and marine habitats

8:00 -9:00 **Presentation:** Fundamentals of georeferencing using GEOLocate. Nelson Rios, Tulane

9:00 -9:30 **Demonstrations:** GEOLocate. Nelson Rios, Tulane

- Basic Web Client
- Batch Georeferencing Client
- Collaborative Georeferencing Client
- Symbiota Client

9:30 – 10:00 **Demonstrations:** Collaborative Georeferencing Management Portal. Nelson Rios, Tulane

- Setting up Projects/Communities
- Configuring Data Sources
- User Management
- Data Repatriation

10:00-10:30 Coffee Break

10:30-11:00 **Demonstrations:** Integration of Collaborative Georeferencing with Symbiota

11:00-11:30 **Presentation:** Collaborative Georeferencing Experiences: FishNet2 and SERNEC Nelson Rios, Tulane

11:30-12:00 **Discussion: Developing a Cross-Community Approach to Georeferencing**. We are all in the same boat – too many specimens and too few workers. How can we facilitate robust georeferencing of legacy specimens in all the US Mollusk collections? Conclude with review of notes.

12:00-12:30 Georeferencing Summary and Workshop Conclusion

12:30 – 1:30 LUNCH