









Digitization TCN: ESB: Mobilizing Millions of Marine Mollusks of the Eastern Seaboard



Project Start Date: 15 September 2020

Project period: 4 years

Project leads: Rüdiger Bieler & Petra Sierwald

















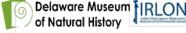








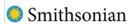


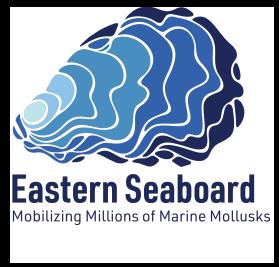














- Focus on U.S. East Coast (partnering north and south as possible)
- Coastline of 18 States
- From shore to edge of EEZ (200 nm)
- Collaboration captures 85% of all ESB mollusks holdings in U.S. collections (InvertEBase surveys & publications)
- Expand via PENs





Scope (1)

- 16 institutions + Smithsonian
- 3,000 species, including numerous economically important taxa
- Mobilization of 4.5 million specimens
 - 1.1 million: de novo data entry
 - 3.4 million: improved data quality & access
- Georeferencing
 - Complete via CoGe
 - Add bathymetric data, benthic habitat, and marine conservation areas to GeoLocate

















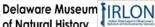






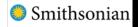








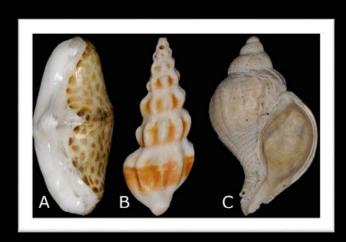






Scope (2)

- Trait data linkages
 - Live vs. dead (address Darwin Core issues)
 - Epibiont data
 - Metadata from field books and expedition logs
- Temporal data (build agent authority files across institutions)
- Specimen images (types and verified exemplars)
- Further development of InvertEBase
- Integration of Malacolog
- Development of MolluscaBase









Year 1:

Collections, COVID, and (virtual) Connections

Major challenge: Staff recruitment and in-person student training

MCZ





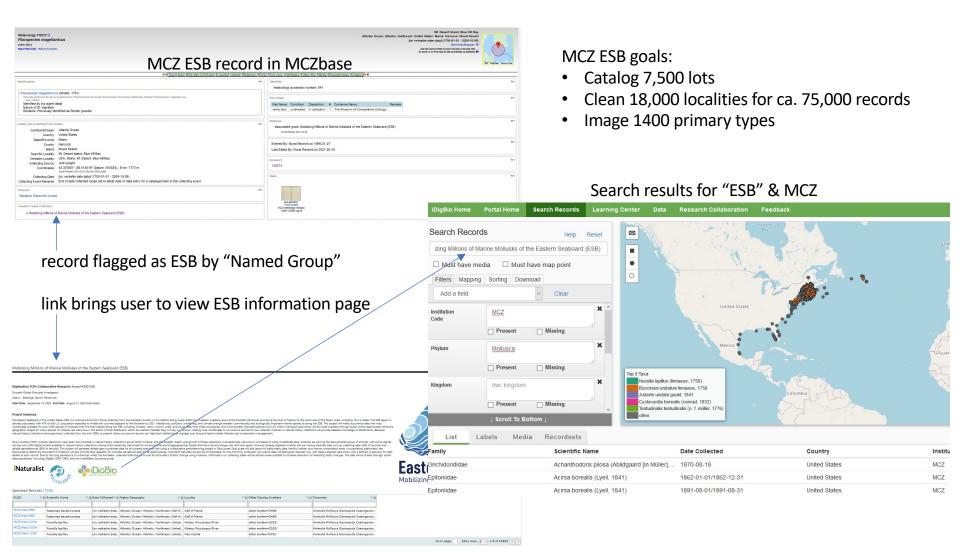


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Major development: Increased virtual communication and partnering

- Development of Working Groups (e.g., live/dead; Specify users)
- Organization of training sessions (e.g., georeferencing, imaging)
- Shared Slack channels with sister TCNs (e.g., Expeditions WG)
- Coordinated steering committees with sister TCNs
- Joint development of InvertEBase portal (e.g., DigIn TCN, SI Panama project)
- Coordination with TDWG group (e.g., "vitality" for DarwinCore standards)
- Preparing for Course-based Undergraduate Research Experiences (CUREs)
- Finding parallel solutions for our many different databases

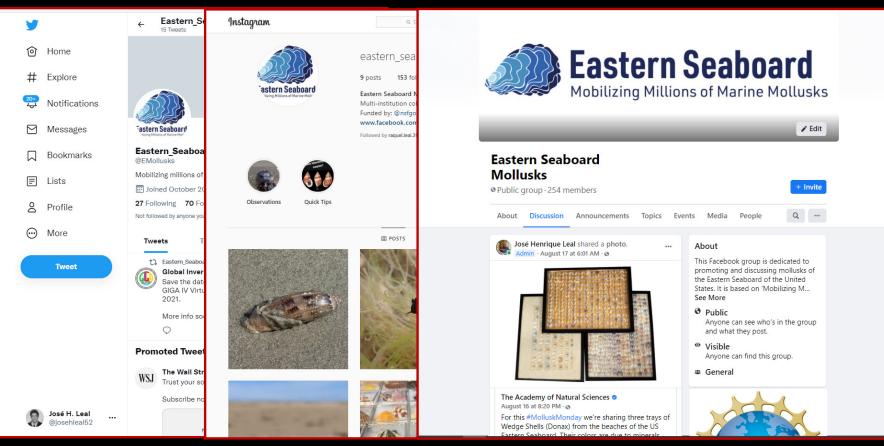




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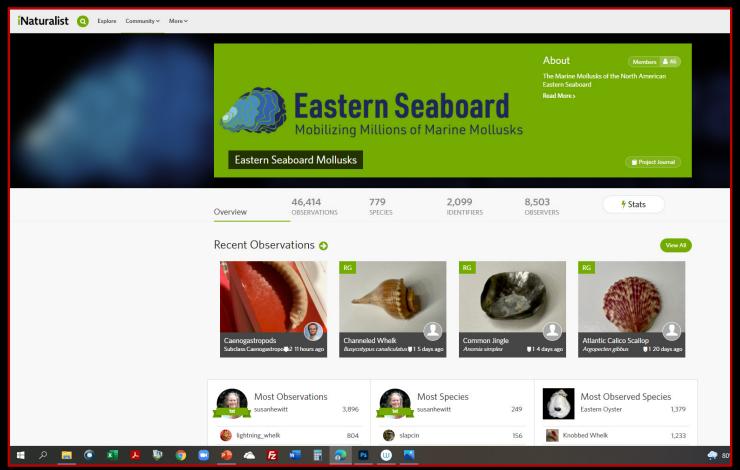


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Eastern Seaboard

Mobilizing Millions of Marine Mollusks