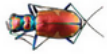# Symbiota & InvertEBase

DATA MANAGEMENT PORTAL, SOFTWARE, AND THEME FOR NEW OR ESTABLISHED MOLLUSK COLLECTIONS

ACTIVE SYMBIOTA PROJECTS

The following biodiversity projects use the Symbiota Virtual Biota software package to establish biodiversity portals with specific regional and/or taxonomic scopes. Each portal represents the community of collaborating researchers that manage the core scientific data. If you are interested in becoming a data contributor for an already established data portal, contact the portal administrator for more information on gaining access to their data editing tools. For more information on what is involved in being a data provider, read the Specimen Integration page.

Quick Index

- SEINet Networked of North American Plant Portals
- Consortium of North American Bryophyte Herbaria (CNABH)
- Consortium of North American Lichen Herbaria (CNALH)
- Consortium of Northeastern Herbaria Portal (CNH)
- Consortium of Small Vertebrate Collections (CSVColl)
- Cooperative Taxonomic Resource for American Myrtaceae (CoTRAM)
- Herbario Virtual Austral Americano (HVAA)
- Macroalgal Herbarium Consortium Portal
- Mycology Collections Data Portal (MycoPortal)
- Symbiota Collections of Arthropods Network (SCAN)
- InvertEBase Data Portal
- Great Lakes Invasives Network
- Neotropical Arthropod Portal (NAP)
- Neotropical Flora Portal
- Madrean Discovery & Madrean Archipelago Biodiversity Assessment Project
- Documenting Ethnobiology in Mexico and Central America (DEMCA)
- Consortium of Pacific Herbaria (CPH)
- Open Herbarium
- Virtual Flora of Wisconsin

Callosomia promethea (Drury, 1773) Photo courtesy of Arizona State University Hasbrouck Insect Collection (ASU). Catalog #ASUHIC0001263

- Open source, data management software that provides shared tools to the collections community to facilitate research (e.g., checklists)

- Institutions retain their identity and control of data. Collections can either provide a snapshot of a resident database or enter/manage direct within Symbiota

- Data is arranged in projects or themes
  - Parallels the Thematic Collections Networks (TCNs) in NSF's ADBC program

InvertEBase Data Portal
The TCN "InvertEBase" is a 4-year collaborative effort to digitize specimen records from ten arthropod and mollusk collections housed at six major US museums in six states, three of them ranking among the top 10 collections in the world.
http://invertebase.org/portal/index.php

Symbiota is a shared database so issues of data standardization are key

Problem:

Selecting only the DMNH collection:
- Search for "Philippines" – 0 results
- Search for "Republic of the Philippines – 476 results

Selecting all collections:
- Search for "Philippines" – 42,951 results
- Search for "Republic of the Philippines – 476 results

Solution:

- Using wildcards will strain the very large database;
- Symbiota will create a thesaurus that will cross link these two "different" search terms

Questions? Contact:

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Thanks!