

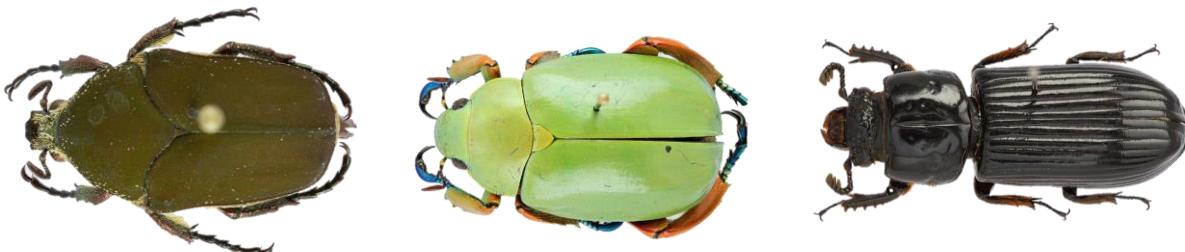
Promoting the digitization of Latin American Entomological Collections using Symbiota Portals

Samanta Orellana

PhD Student/Research Assistant



ASU Biodiversity Knowledge
Integration Center
Arizona State University



EJI-Equity, Justice and Inclusion in Entomology-ECN 2020



Symbiota

ecdysis

A portal for live-data arthropod collections

Details Map Comments Linked Resources

Arizona State University Hasbrouck Insect Collection (ASU:ASUHIC)

Catalog #: ASUHIC0126697
Occurrence ID (GUID): 8ce3556b-af3a-4275-9b5a-739085844281
Taxon: *Conotrachelus arizonicus* Schaeffer, 1906:340
Family: Curculionidae
Determiner: K.S. Orellana (2019-12-13)
ID References: Schaeffer, C. (1906). New Rhynchophora. The Canadian Entomologist 38(10), 339-344.
Collector: N.M. Franz
Date: 2019-07-23
Verbatim Date: VII-23-2019
Locality: Mexico, Sonora, Álamos Municipality, Rancho Acosta
 27.02304 -108.924252 +50m. WGS84
Georeference Remarks: elevation not in label, located in GoogleEarth
Elevation: 670 meters (2198ft)
Life Stage: adult
Notes: around Station, at night/lights

Specimen Images

Author: Samanta Orellana
[Open Large Image](#)

Author: Samanta Orellana
[Open Large Image](#)



Open access



Un portal para el manejo de datos de colecciones de artrópodos, en

Búsqueda Búsqueda en Mapa Navegador de Imágenes Bús

Búsqueda de especies

Búsqueda

Easy to use

Introducción a ecdisis

ecdisis es un sistema web que sirve para el manejo de datos de colecciones de artrópodos. Fue desarrollado en el Centro de Integración del Biodiversidad Knowledge Integration Center (Arizona State University). ecdisis fue diseñado con el fin de proporcionar, a la comunidad de colecciones de artrópodos, una herramienta práctica y confiable para la digitalización y el

En español



Para obtener más información acerca de la creación de perfiles para las colecciones, por favor contactar a Andrew Johnston (ajohnston@asu.edu).

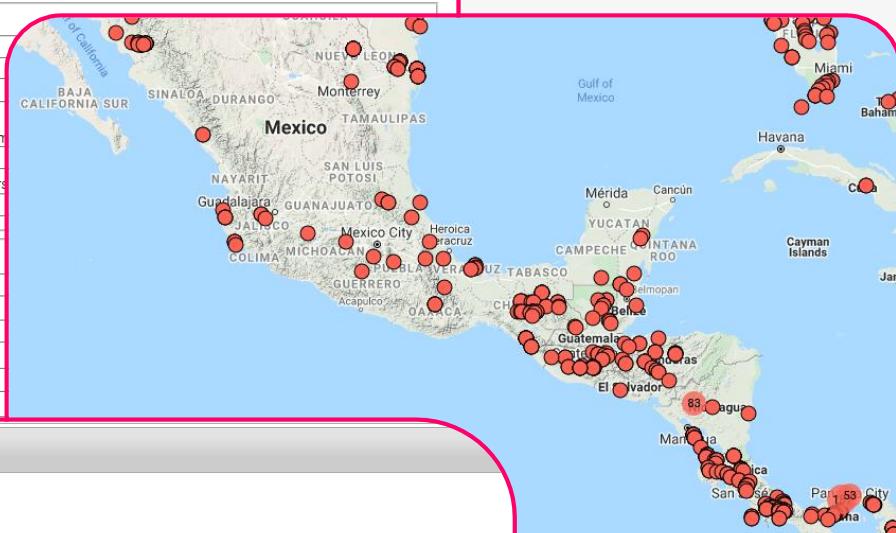
Guía en español para digitalizar especímenes disponible [aquí](#), elaborada por Samanta Orellana (sorellana@asu.edu).

New Occurrence Record

Collector Info
Catalog Number ? Other Cat. #s ? Collector ? Number ? Date ? Dups?
Associated Collectors ? Verbatim Date ?
Latest Identification
Scientific Name ? Author ?
ID Confidence ? Undefined ID Qualifier ?
Family ? Identified By ? Date Identified ?
Locality
Country ? State/Province ? County ?
Locality ?
Security: Security not applied ✓
Latitude Longitude Uncertainty ? C F Datum
Elevation in Meters ? Verbatim Elevation ? Depth in Meters
Misc
Habitat ?
Substrate ?
Associated Taxa ?
Description ?

Search Criteria Images

Search criteria:
1 2 3 4 5 6 7 8 9 10 >>

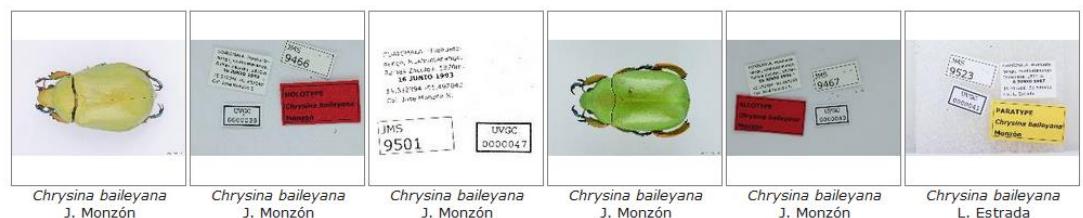




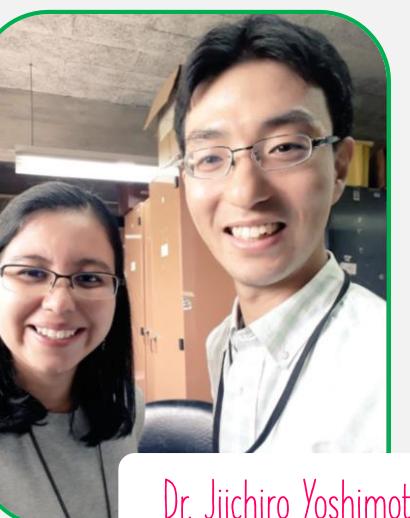
January



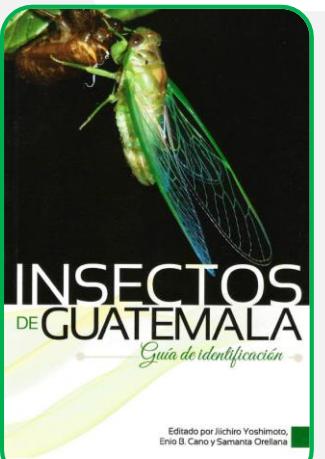
ecdysis



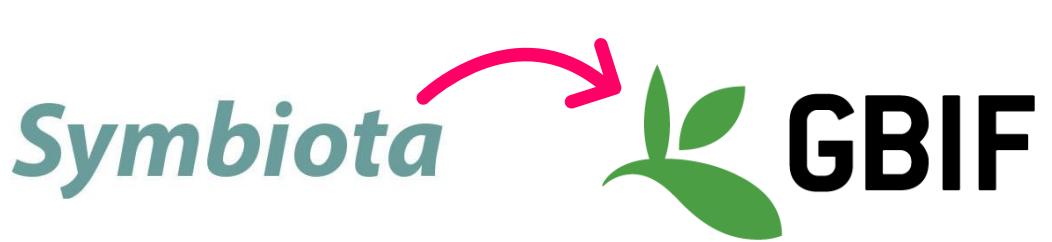
Dr. Jack Schuster



Dr. Jiichiro Yoshimoto



~100,000 specimens



Get data How-to Tools Community About

OCCURRENCE DATASET | REGISTERED SEPTEMBER 24, 2020

Universidad del Valle de Guatemala - Colección de Artrópodos

Published by Universidad del Valle de Guatemala

DATASET METRICS ACTIVITY DOWNLOAD 252 OCCURRENCES

The Del Valle University of Guatemala, Arthropod Collection (UVGO) The Arthropod Collection of the Del Valle University of Guatemala (Universidad del Valle de Guatemala) contains more than 200,000 insect specimens, thereby being regarded as one of the largest entomological collections in Latin America. Above all, the passalid and scarabaeid beetles (Coleoptera) comprise one of the world's biggest collections. The Arthropod Collection was established in 1975 by Dr. Jack C. Schuster, and since then it... [More](#)

Metadata last modified: October 21, 2020
Hosted by: Arizona State University Biodiversity Knowledge Integration Center
License: CC BY-NC 4.0
[How to cite](#) DOI 10.15468/fq7cjx

352 Occurrences 100% With taxon match 98% With coordinates 98% With year

246 GEOREFERENCED RECORDS

A map of Central America and Mexico with numerous yellow dots representing georeferenced records. A legend indicates that the dots represent 246 georeferenced records. A scale bar and a north arrow are visible at the bottom of the map.



UNIVERSIDAD DE
COSTA RICA



Jairo Mora



ecdysis

Listado de Especies Registros de Ocurrencia Mapas

Conjunto de Datos: UCRG-UCRG
Criterios de Búsqueda: Costa Rica; excluding cultivated/captive occurrences

1 Página 1, registros 1-36 de 3

Colección Entomológica de la Carrera de Agronomía de la UCR Sede Guanacaste

Pimplinae Wesmael, 1845
UCRG:UCRG UCRG0000001 Jairo Mora 2020-01-30
Costa Rica, Guanacaste, Santa Cecilia, finca Yafa, 11.043092 -85.474046, 228m
[Detalles completos del registro](#)

Cosmopolites sordidus
UCRG:UCRG UCRG0000002 Jairo Mora 2020-01-09
Costa Rica, Guanacaste, Bagaces, Asentamiento de Falconiana, 10.716667 -85.433333
[Detalles completos del registro](#)

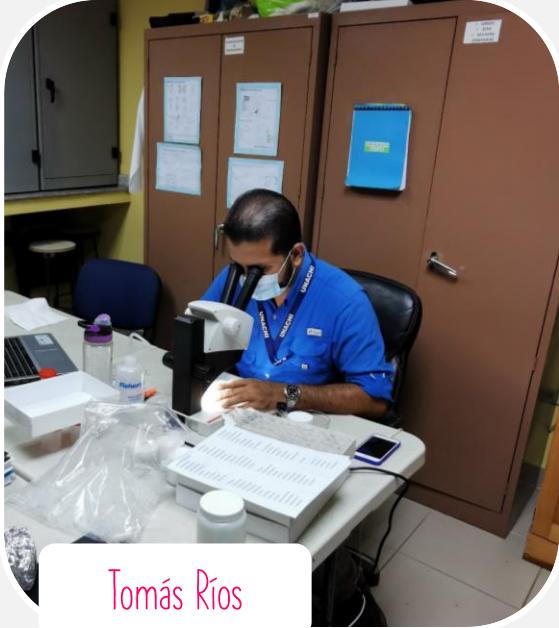
Cosmopolites sordidus
UCRG:UCRG UCRG0000003 Jairo Mora 2020-01-09
Costa Rica, Guanacaste, Liberia, 10.716667 -85.433333
[Detalles completos del registro](#)



Insects of agricultural importance



Yusseff Aguirre



Tomás Ríos

Species List
Dataset: UNACHI-MUPADI
Search Criteria: Panama; excluding cultivated/captive occurrences

1 Page 1, records 1-76 of 76

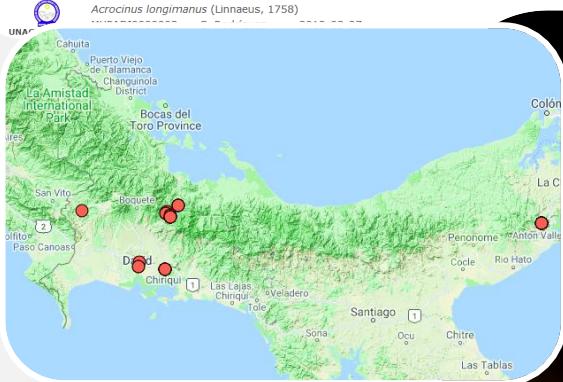
Colección Entomológica del Museo de Peces de Agua Dulce e Invertebrados de la Universidad Autónoma de Chiriquí

Enoplocerus armillatus
UNACHI:MUPADI MUPADI0000001 E. Bernal 2017-05-26
Panama, Los Santos, Santa Ana, Los Santos, Panamá

[Full Record Details](#)

Acrocinus longimanus (Linnaeus, 1758)
UNACHI:MUPADI MUPADI0000002 C. Rodriguez 2012-03-27
Panama, Chiriquí, David, Urb. La Feria, 8.4207222 -82.4381555555, 39m

[Full Record Details](#)



Aquatic insects



March

Importancia de las colecciones entomológicas en el estudio de la biodiversidad:

Experiencias de investigación en Norte y Centro América



August

Introducción al uso de bases de datos digitales: Plataforma Symbiota

Samanta Orellana, M.Sc.

Estudiante de PhD-Asistente de Investigación
Biocollections, Arizona State University

ASU Biodiversity Knowledge
Integration Center
Arizona State University

July

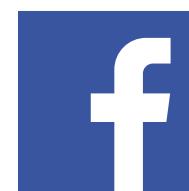
Importancia de las colecciones de referencia en la investigación científica

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ASU Biodiversity Knowledge
Integration Center
Arizona State University

@coleopterasam



UVG UNIVERSIDAD
DEL VALLE
DE GUATEMALA



USAC
TRICENTENARIA
Universidad de San Carlos de Guatemala



September

ResearchGate

Digitization of the biological collections of Guatemala / Digitalización de las colecciones biológicas de Guatemala

Project

Samanta Orellana · Jiichiro Yoshimoto · Zabdi Lopez · Rosa Alejandra Roldán · Jack Schuster · Julio Ayala · Adriana Echeverría · Ana Isabel López

Digitization and online publishing of the data available (from specimens and observations) in the biological collections in Guatemala. / Digitalización y publicación en línea de la información disponible (de especímenes y ...)

[View](#)

115 Reads · 36 Updates

[Share](#)

- ✓ 13 countries (readers and followers)
- ✓ 6 countries (videoconferences)





Portal de Biodiversidad de Guatemala

Home | Search | Images | Species Checklists | More Information

Welcome to the Guatemala Biodiversity Portal

This portal aims to serve as a collaborative resource to integrate biodiversity data from Guatemala. This portal represents an accessible option for the management and digitization of data from biological collections or field observations gathered by entities and researchers dedicated to the study of biodiversity. The portal also allows the generation of maps, checklists and other interactive projects. The information entered in this portal can be published to the [Global Biodiversity Information Facility \(GBIF\)](#), from where it can be harvested by other regional and international aggregators. The data within the portal are freely available for use, but proper citation is encouraged.

The Guatemala Biodiversity Portal is hosted by the [Biodiversity Knowledge Integration Center \(BIOKIC\)](#) at Arizona State University, USA. For further information or to have a collection profile established, please contact Samanta Orellana (sorellana@asu.edu) or Zabdi López (zmlopez@uvg.edu.gt)

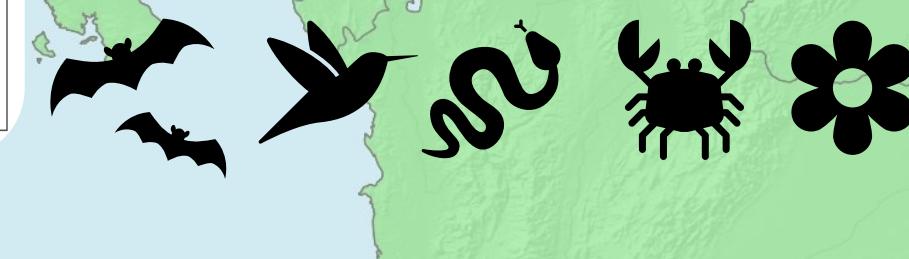
A screenshot of the Guatemala Biodiversity Portal. At the top right is a map of Central America. Below the map is a navigation bar with links: Home, Search, Images, Species Checklists, and More Information. A green banner with the text "Symbiota Portal for Guatemala" is visible. In the center, there is a "Taxon Search" input field and a "Search" button. Below the search area is a photograph of a black beetle larva (maggot) on a piece of wood. At the bottom of the image is a caption: "Proculus mniszechi; dr_firefly 2016-05-23." To the right of the caption are "HIDE CAPTION" and navigation arrows. At the very bottom of the image is the text "ASU Biodiversity Knowledge Integration Center Arizona State University".



Ed Gilbert

-  Centro Universitario de Zacapa- Colección de Insectos de Zacapa (CUNZAC-ICZ) more info.
-  Universidad de San Carlos de Guatemala - Colección de Entomología (USAC-USAC) more info.
-  Universidad del Valle de Guatemala - Colección de Artrópodos (UVG-UVGC) more info.

+14 collections



October



Dr. Enio Cano

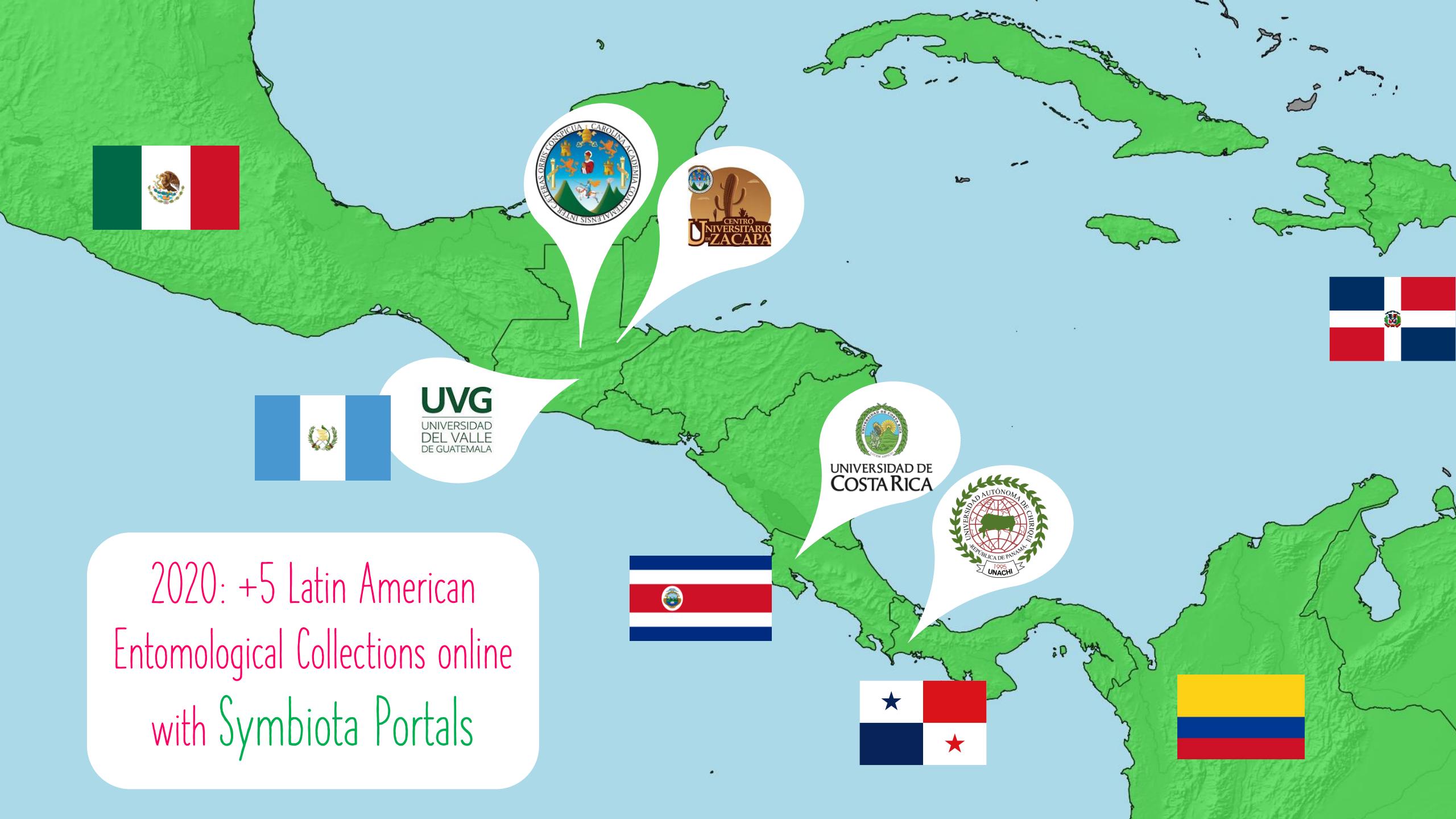
Scarabaeidae



Dr. Manuel Barrios

Curculionidae





2020: +5 Latin American
Entomological Collections online
with Symbiota Portals

Acknowledgments



A collage of five images and logos. At the top left is a portrait of a man with glasses (@taxonbytes). Next to it is a man with a beard wearing a headset (@egbiodiversity). To the right is a woman (@MicolepiLee). Below them is a man sitting at a desk with a laptop and a microscope (@MAndrewJohnston). To the right of the desk is the ASU Biodiversity Knowledge Integration Center logo for Arizona State University. Further right is the NSF Symbiota logo.

@taxonbytes

@egbiodiversity

@MicolepiLee



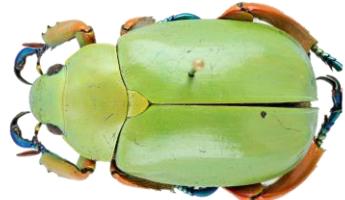
Arizona State University

Symbiota





Questions?



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sorellana@asu.edu

 [@coleopterasam](https://twitter.com/coleopterasam)

 [@guatemalaportal](https://twitter.com/guatemalaportal)