



PARASITE TRACKER

DOCUMENTING ARTHROPOD VERTEBRATE PARASITES



Welcome to the species interaction data group activity!

Workshop Development Team:
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Supported by:
NSF, Terrestrial Parasite Tracker TCN, Milwaukee Public Museum,
UCSB Cheadle Center for Biodiversity, Ronin Institute





TPT Species Interactions Data Group Exercise

Description: This hands-on exercise was developed to help data providers transcribe specimen-level data that contains information about associated taxa/specimens. This activity will be focused on parasite-host records, and how to consistently capture interaction data from specimen labels. We will examine specimens that vary in quality of available interaction information on the label and practice data transcription and interaction interpretation for downstream integration with GloBI and/or use by researchers.

Objectives:

1. Gain a better understanding of parasite collection's interaction data
2. Practice transcribing specimen interactions data using real examples
3. Discuss (first in small groups, then as a network) different ways in which species interactions data can be interpreted
4. Compile a list of verbatim terms currently used to describe associations on specimen labels
5. Compile a set of 'interaction types' derived from 'human interpreted interactions'
6. Share outcomes (e.g., interactions translation table)

→Virtual attendees go to: <https://bit.ly/ECMworkshop>



TPT Species Interactions Data Group Exercise

Materials: → *Virtual attendees go to: <https://bit.ly/ECMworkshop>*

1. Parasite specimen images #1-7 (one set per group)
→ *Virtual attendees see: <https://bit.ly/transcription-images>*
2. Handout #1 - Examples of interaction terms and definitions
→ *Virtual attendees see: <https://bit.ly/termsdefinitions>*
3. Handout #2 - individual translation table (one hard copy per group)
→ *Virtual attendees see: <https://bit.ly/ECMworksheet1>*
4. Handout #3 - group translation table (one hard copy per group)
→ *Virtual attendees see: <https://bit.ly/ECMworksheet2>*
5. Pencils, sticky notes, markers (in-person); your computer/laptop (virtual)



TPT Species Interactions Data Group Exercise

Commonly used Interaction Terms and Definitions:

<https://bit.ly/termsdefinitions>



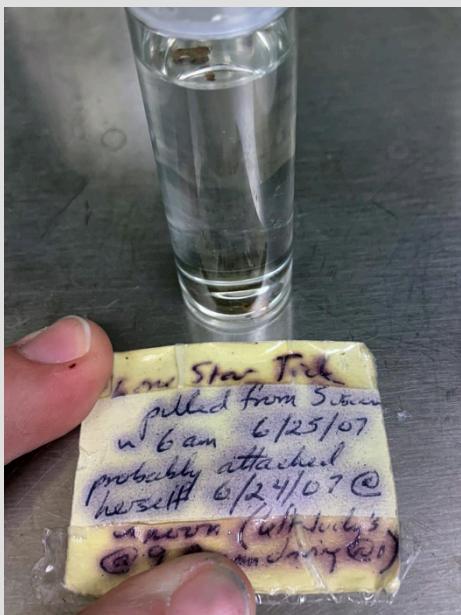
Worksheet Terms and Definitions:

1. **Verbatim Interaction Text** (Interaction as on label without interpretation)
2. **Specimen Taxon name**
3. **Human derived/interpreted interaction:** Use examples from handout or come up with your own!
4. **Target Common Name, Target Taxon Name, Specimen Event Date, Target Sex, Target Body Part, Target Life Stage**
5. Additional Properties, or notes about interaction
6. Do you have a new interaction? Please define it for us



TPT Species Interactions Data Group Exercise

Examples: <https://bit.ly/ECMworkshop-intro>



Example 1: <https://bit.ly/EXinteraction1>



Example 2: <https://bit.ly/EXinteraction2>



TPT Species Interactions Data Group Exercise

Instructions:

1. Breakout groups - 5 groups of 5-6

In person attendees:

2. Find the table with your group number
3. Distribute a specimen image to each group member and start transcribing data; once you have your record as complete as possible, switch until you have transcribed all label data (x7) **approx. 10 mins.**
4. Once you have finished, share with your table group members and fill in group translation table **approx. 15 mins.**
5. Larger group reconvenes, puts group interaction terms on large sticky notes, reports and discusses with group **approx. 30 mins.**

Virtual attendees:

2. Open browser window and go to: <https://bit.ly/ECMworkshop-intro> to get worksheets
2. Accept breakout room invitation that will appear on screen shortly (Zoom)
3. Follow instructions and start transcribing data (<https://bit.ly/ECMworkshop-intro>) (total of 7 labels to transcribe) (browser) **approx. 10 mins.**
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TPT Species Interactions Data Group Exercise

Share your interaction terms with a word cloud!

→ Go to: <https://www.menti.com/n3p72kte12>

→ → Alternatively, go to **www.menti.com** and enter the code **9959 2027**

→ Enter the different interaction terms you used for each specimen.

→ See the word cloud results in real time as everyone submits terms here:

<https://bit.ly/ECMworkshop-cloud1>



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TPT Species Interactions Data Group Exercise

Share your group's interaction terms with a word cloud!

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TPT Species Interactions Data Group Exercise

Share the interaction terms you want to use now with a word cloud!

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Please hand in all completed worksheets :)

We will share a compiled copy of all results after the workshop

→ Virtual attendees, please email worksheets to me @:

emtuckerlab@gmail.com

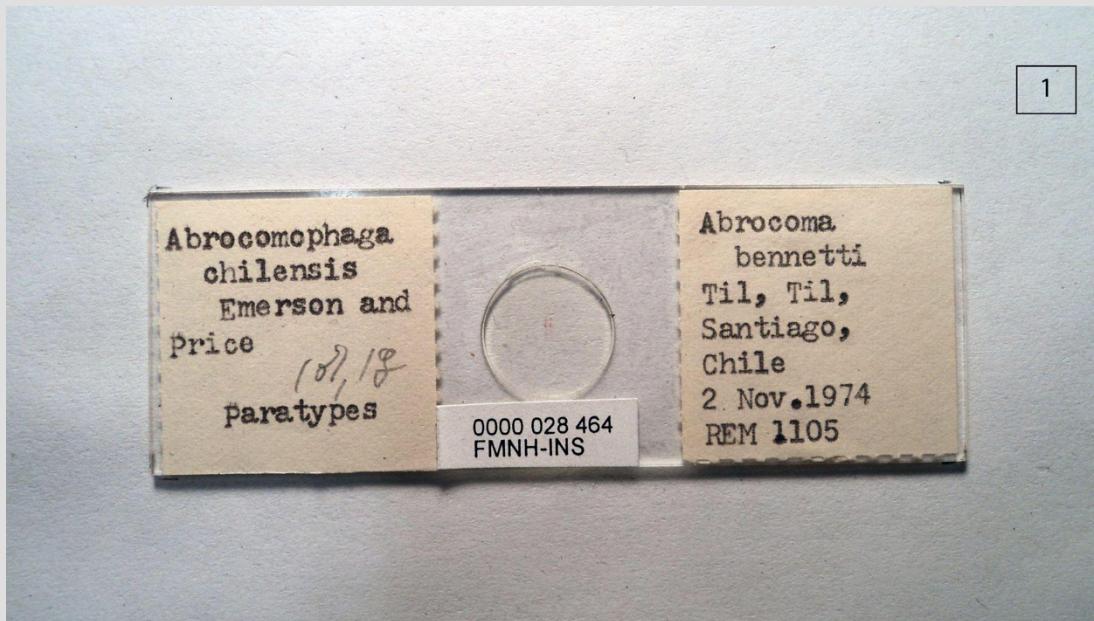
THANK YOU!





TPT Species Interactions Data Group Exercise

Transcription 1 (see <https://bit.ly/transcription-images>)





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Transcription 2 (see <https://bit.ly/transcription-images>)





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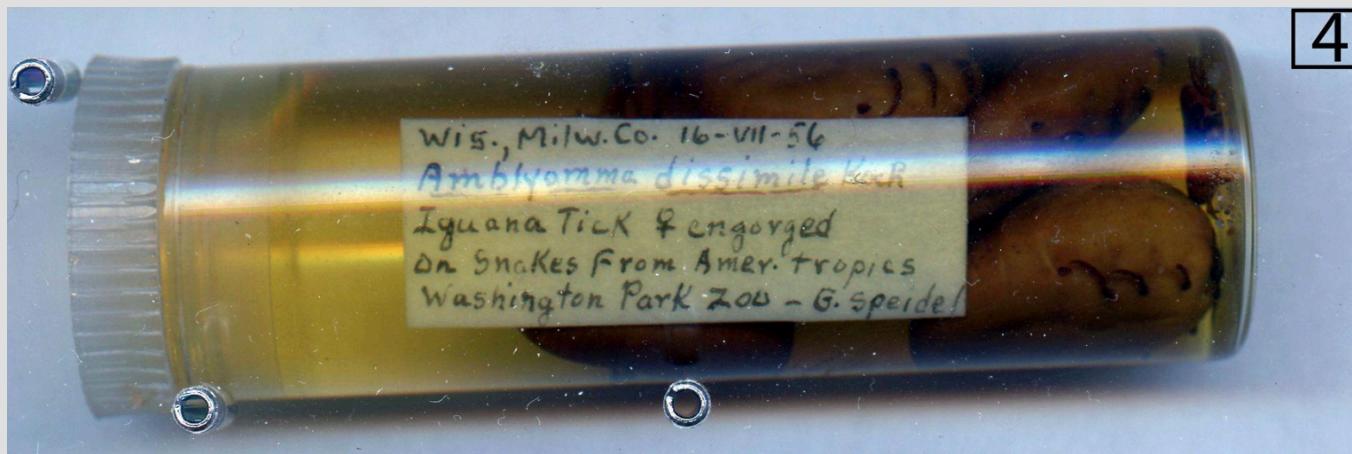
Transcription 3 (see <https://bit.ly/transcription-images>)





TPT Species Interactions Data Group Exercise

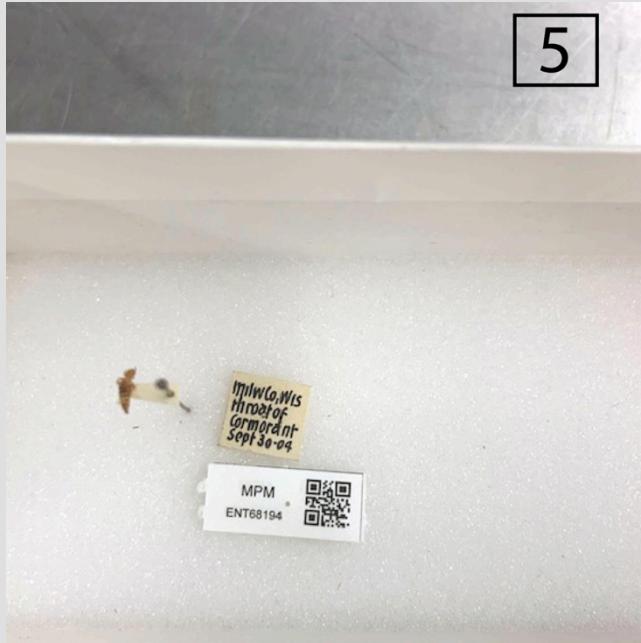
Transcription 4 (see <https://bit.ly/transcription-images>)





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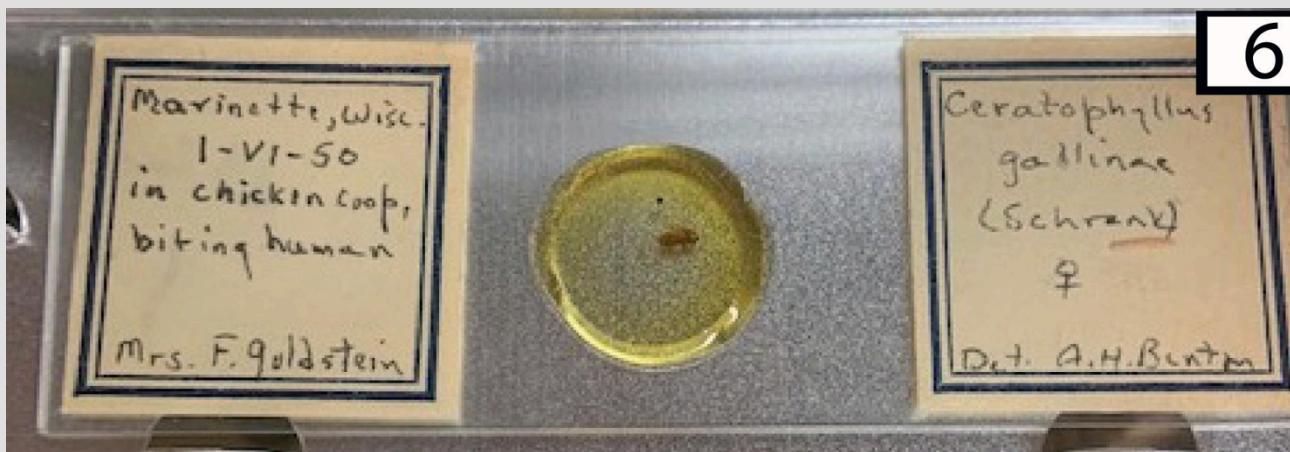
Transcription 5 (see <https://bit.ly/transcription-images>)





TPT Species Interactions Data Group Exercise

Transcription 6 (see <https://bit.ly/transcription-images>)





TPT Species Interactions Data Group Exercise

Transcription 7 (see <https://bit.ly/transcription-images>)

