Fables of the How's & Where's

Standardizing 'Resource Relationship' Fields in EMu

Janeen Jones
Kate Webbink

Terrestrial Parasite Tracker Workshop
February 2020

Belling the Cat

It is one thing to say that something should be done,
but quite a different matter to do it.

“Resource Relationship” extension:

dwc.tdwg.org / terms / #resourcerelationship

1. *resourceID (occurrenceID)*
2. *relationshipOfResource*
3. *relatedResourceID*
4. *scientificName*
5. *relationshipRemarks*
6. *relationshipAccordingTo*
7. *relationshipEstablishedDate*
8. *resourceRelationshipID*

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Relationship Data:

- ***occurrenceID***
- ***Relationship type***
- ***Related GUID***
- ***Related Taxon ID***
- ***'Remarks' Notes...***
- ***'Observer' Notes?***
- ***'Date' Notes?***
- ***ID TBD***

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- *'Date' Notes?*
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Current EMu Fields:

DarGlobalUniqueIdentifier ⟷ …?

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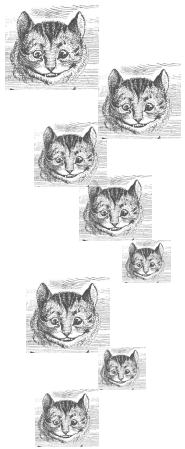
Herding some cats … Ringing some bells

(Associations Tab)

Current Relationship Data | **Current EMu Fields**



occurrenceID ⟷ **DarGlobalUniqueIdentifier**

Relationship type ⟷ **RelRelationship_tab**

Related GUID ⟷ **RelObject_tab.GUID**

Related Taxon ID ⟷ **RelObject_tab.Taxon**

'Remarks' Notes

'Observer' Notes

'Date' Notes

ID TBD

RelNotes:

ObjURI: *[Object GUID or URI]*

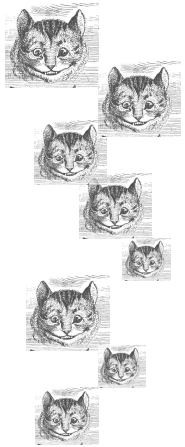
TaxonIRN: *[Taxon irn]*
TaxonSummary: *[Taxon name]*

Notes: *[Text from notes]*

RecordedByIRN: *[irn 1], [irn 2], [...]*
RecordedBySummary: *[name 1], [name 2], [...]*

https://bit.ly/2HMKILd

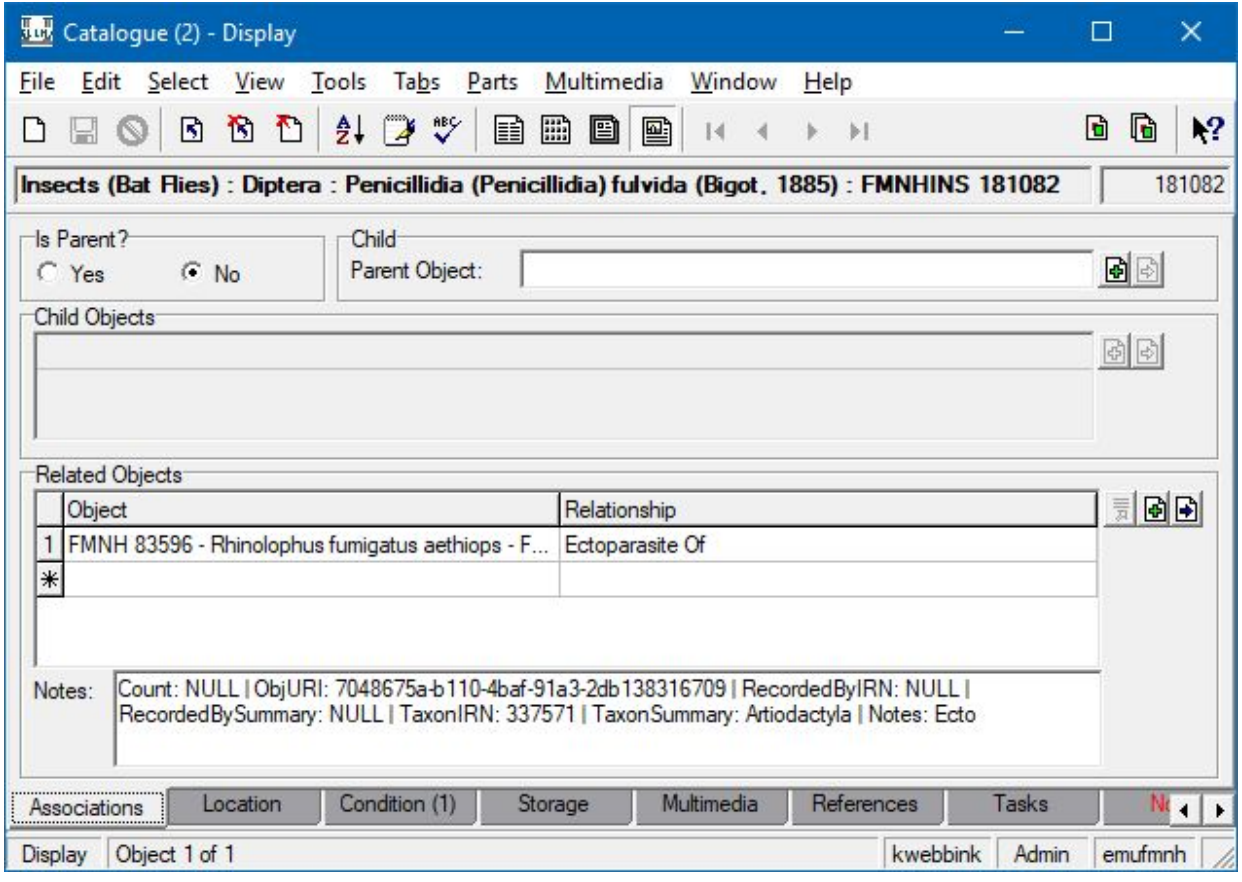
Herding some cats … Ringing some bells



Current Relationship Data		Current EMu Fields (Associations Tab)		Future EMu Fields (NEW Relationships Tab)
occurrenceID	⟷	DarGlobalUniqueIdentifier		DarGlobalUniqueIdentifier
Relationship type	⟷	RelRelationship_tab		RelRelationship_tab
Related GUID	⟷	RelObject_tab.GUID		RelObject_tab.GUID + logic
Related Taxon ID	⟷	RelObject_tab.Taxon		RelObject_tab.Taxon + logic
'Remarks' Notes	→	RelNotes:		RelNotes
'Observer' Notes	→	ObjURI		+ AccordingTo
'Date' Notes	→	Taxon		+ Date
ID TBD	→	Notes		
		RecordedBy		

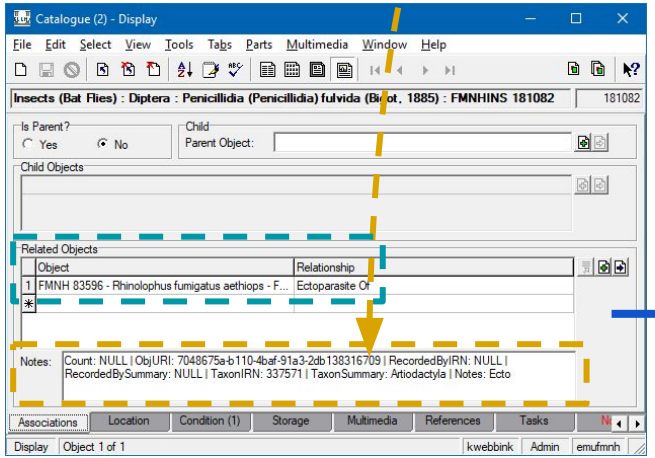
https://bit.ly/2HMKILd

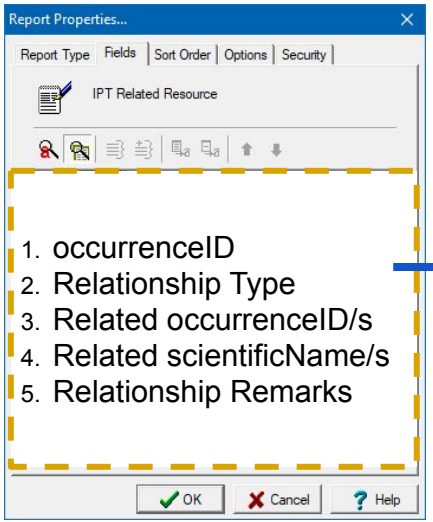
Current consolidated FMNH EMu fields & data structure:



Bells? Volunteers?

Count: NULL | **ObjURI:** NULL | **RecordedByIRN:** NULL | **RecordedBySummary:** NULL | **TaxonIRN:** 310583 | **TaxonSummary:** Artibeus lituratus | **Notes:** Ecto





Related Resource prep script → IPT

https://bit.ly/2HMKILd

Bells? Volunteers?

Live/Un-Dead Demo?

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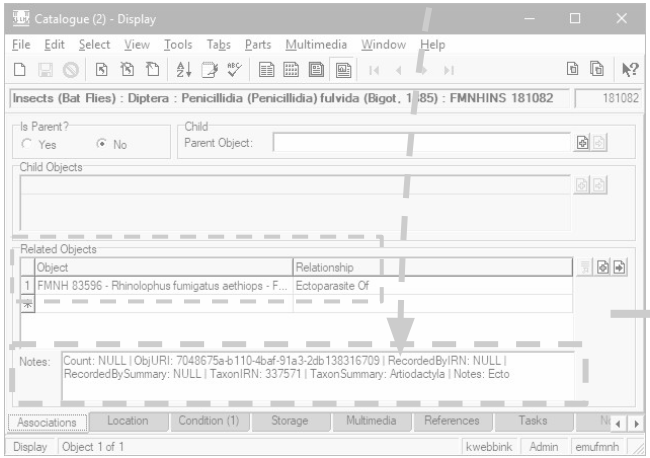
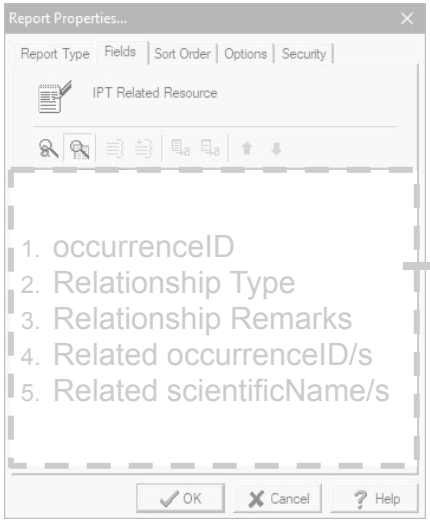




Related Resource prep script → ***IPT***

https://bit.ly/2HMKILd

The Frog & the Ox

Don't be an exploding frog.

(Publish early; publish often)

Map data to "Resource Relationship" ext

https://bit.ly/2HMKILd

Export data [from EMu]

Related Resource prep script

Publish [& update] data

a. *IPT DwC resource*
b. *IPT Resource Relationship extension*

Example-dataset here:

https://fmipt.fieldmuseum.org/ipt/resource?r=fmnh_insects

The Ass & His Shadow

In quarreling about the shadow we often lose the substance.

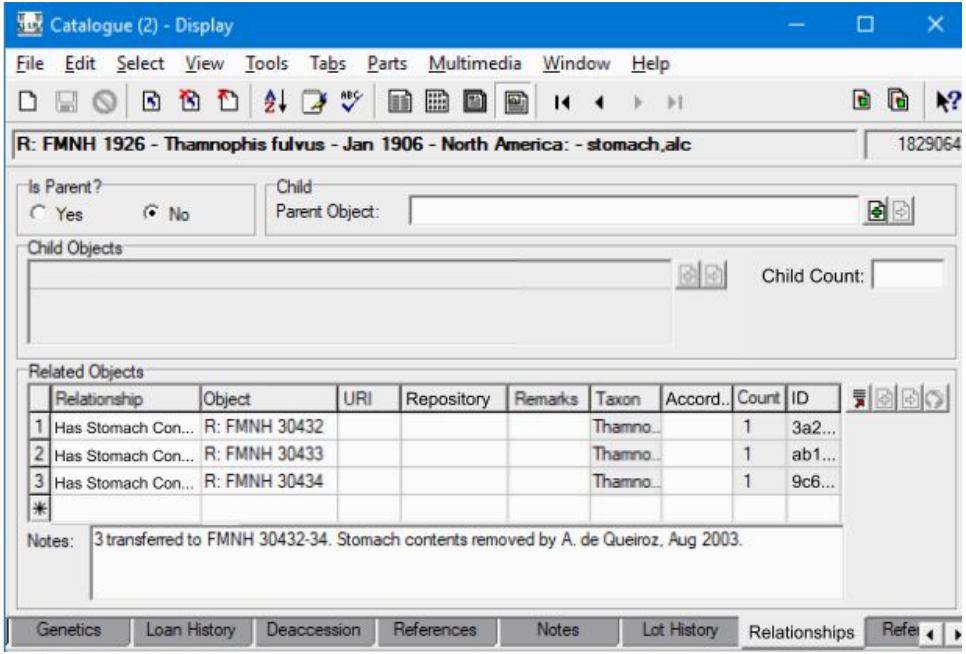
- *Don’t overthink the controlled vocabularies. The data will inform the lists as long as there is a set general rules standardizing forms of words (e.g. tense, form, length, etc.)*
- *Don’t over analyze the authority files, let them do the work for you.*

The Shepherd & the Lion

We are often not so eager for what we seek, after we have found it.

- *Do you have existing relationship tables? (could be host/parasite, could be previous or other number, could be related specimen)*
- *Check your habitat fields (and microhabitat fields if you've got them)*

- *Check all your notes fields. Doesn't matter if it doesn't make sense to you, it likely made sense to someone. (I found them in these kinds of notes fields: Ecology, Habitat , Label notes, Legacy, Miscellaneous, Original notes, Rapid reference collection - off notes, Taxonomy, Collection Events, Sites.)*
- *Finally, check specimen labels, field notes and catalogs.*



EMu Related Data Proposal for EMu community/AHA

https://bit.ly/2SX10aK

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