

EMu and Darwin Core extension - Related Data [DRAFT]

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Background

In response to the scientific community's push to collaborate on projects that address systems in science it is becoming imperative to publish relationship data. TDWG has responded to this need by publishing the Darwin Core Extension [Resource Relationship](#).

Purpose

This is a proposal to implement a new tab that contains the fields in AllAssATab in EMu to accommodate both the existing Darwin Core fields and create additional fields to store related data housed in other repositories. Maintaining the original tab allows a "filtered view" of only internal associations for those departments that necessarily interested in seeing the external relationships of occurrences (e.g. Exhibitions.)

Structure

NEW TAB: "Relationships"

Purpose:

For Collections user groups to document and display the connections between different catalogue records internal and external to FMNH -- particularly to show ecological relationships among occurrences where there is at least one known catalogued item (FMNH or non-FMNH).

See also:

- [Associations](#) tab (AllAssATab), where internal associations among/between FMNH records are displayed.

Notes:

- All the tabs that relate catalogue records to each other [\[link to Various Associations tabs\]](#)
- Need to document all the existing association logic on this tab.
- 2 proposed Associations Tabs are in this [workflow document](#).
- [Relationships Data & Workflows document](#)
 - For DwC Relationship Resource extension, need to add a step in the workflow to filter out things that might not be appropriate in a relationship resource ext. Dataset.
- Repository attachment - add a Registry entry to restrict attachment to Party Type = "Organization"

Conditional TAB NAME Logic: NONE

Catalogue (2) - Display

File Edit Select View Tools Tabs Parts Multimedia Window Help

R: FMNH 1926 - *Thamnophis fulvus* - Jan 1906 - North America: - stomach_alc 1829064

Is Parent?
☐ Yes ☒ No

Child Parent Object:

Child Objects

Child Count:

Related Objects

	Relationship	Object	URI	Repo	Remarks	Taxon	Accord..	Count	Date	ID
1	Has Stomach Con...	R: FMNH 30432				Thamno...		1		3a2...
2	Has Stomach Con...	R: FMNH 30433				Thamno...		1		ab1...
3	Has Stomach Con...	R: FMNH 30434				Thamno...		1		9c6...
*										

Notes: 3 transferred to FMNH 30432-34. Stomach contents removed by A. de Queiroz, Aug 2003.

Genetics Loan History Deaccession References Notes Lot History Relationships Refer

Display Object 3 of 3 sgrant Admin emufmnh

NEW fields:

- **Child Objects** existing groupbox - Increase number of rows to 200
 - **Child Count:** Auto-calculated Integer [S] (5 chars)
 - Logic: Count number of RelChildObjectsRef_tab attachments to current record.
 - Same NEW Child Count field as on AllAssATab
- **Related Objects** existing groupbox - Increase number of rows to 200
 - **Repository:** Attachment to eparties [M]
 - **Related Resource URI:** URL [M]
 - Label as "**URI**"
 - Logic:
 - If RelObjectsRef_tab is not NULL AND RelObjectsRef_tab.CatMuseum ="Field Museum of Natural History"
 - Autofill with DarRecordURL
 - Else NULL (and remains editable)
 - **Related Resource Remarks:** Text [M] 250 char

- Label as **“Remarks”**
- **Taxon: Attachment to etaxonomy [M]**
 - Logic:
 - If RelObjectsRef_tab is not null, read-through RelObjectsRef_tab.IdeTaxonRef.SummaryData
 - ELSE allow direct attachment to etaxonomy
 - Display/Search: etaxonomy.SummaryData
- **According To: Attachment to eparties [M]**
 - Logic: Display/Search eparties.SummaryData
- **Count: Integer [M]**
 - IF RelObjectsRef_tab is not NULL
 - Read-through of RelObjectsRef_tab.(NEW FIELD [Total Original Count])
 - ELSE
 - Editable
- **Date: Date [M]**
- **Resource Relationship ID: [auto-generated GUID]**
 - Label as **“ID”**
 - Logic: generate a GUID where RelRelationship_tab is not NULL

EXISTING fields:

- **RelNotes**
- **RelIsParent**
- **RelParentObjectRef**
- **RelChildObjectsRef_tab**
- **Related Objects** existing groupbox - Increase number of rows to 200
 - **RelObjectsRef_tab**
 - **RelRelationship_tab**
 - Lookup list: EXISTING [Object Relationship: Level 1] - Change to Level 2, Autofill Level 1 from value in CatDepartment.
 - Level 1 Values: Anthropology, Botany, Exhibitions, Geology, Library, Zoology
 - Level 2 “Zoology” Values: “Associated”, “Host”, “Parasite”, “Endo Parasite”, “Ecto Parasite”
 - Level 2 “Exhibitions” Values: “Cast”, “Model”
 - Level 2 “Botany” Values: “Parasite”, “Symbiot”, “Commensul”
 - Logic: Mandatory if RelObjectsRef_tab or NEW FIELDS “Taxon” or “URI” [in Related Objects table] is NOT NULL

CONDITIONAL Field Label Logic: NONE

Fields to REMOVE:

SEARCH fields: Same as Edit mode

Functionality:

Example Records:

- For example, in the screenshot above, 56235 is listed as a Related Object on the record for 142027. Once this was entered here, the record for 142027 would automatically get attached as a Related Object in this field for 56235.

Discussion Topics