

SIMSSA DB: a brief overview of the data model

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How do we model music?

How do we track provenance?

Digital musicologists want to study abstract **works**.

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Libraries and databases deal with describing and storing **items**.

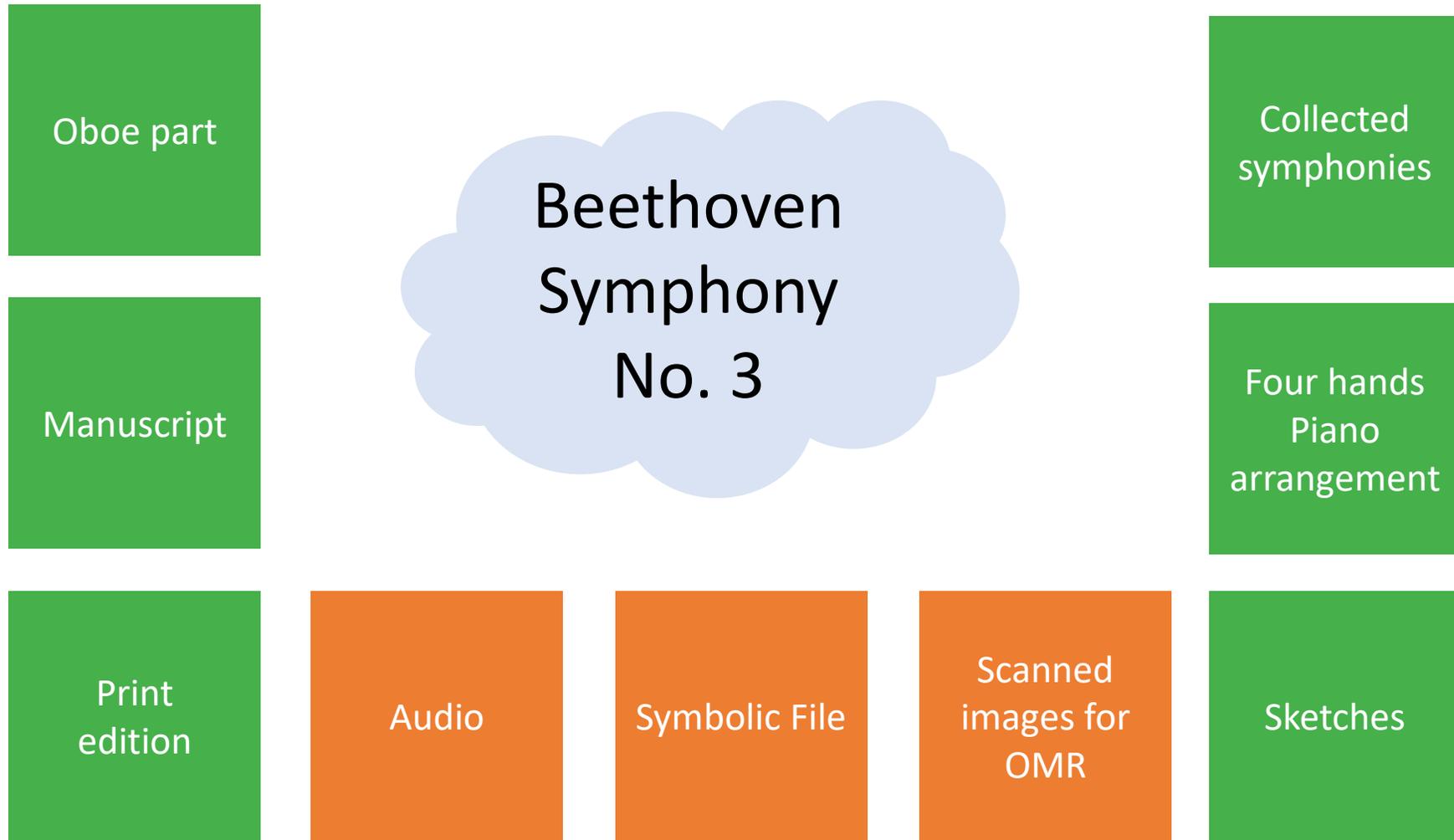
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e.g. “Beethoven’s Third Symphony”

Libraries and databases deal with describing and storing **items**.

e.g. “IMSLP46066-PMLP02581-Op.55.pdf”

Representing music



IFLA-LRM

(International Federation of Library Associations and Institutions - Library Reference Model)

Work: Beethoven Symphony
No. 3

Expression: piano reduction,
study score

Manifestation: particular
edition (e.g., Breitkopf &
Härtel, 1862)

Item: specific object (the file
as it exists stored on IMSLP)

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SIMSSA DB Data Model

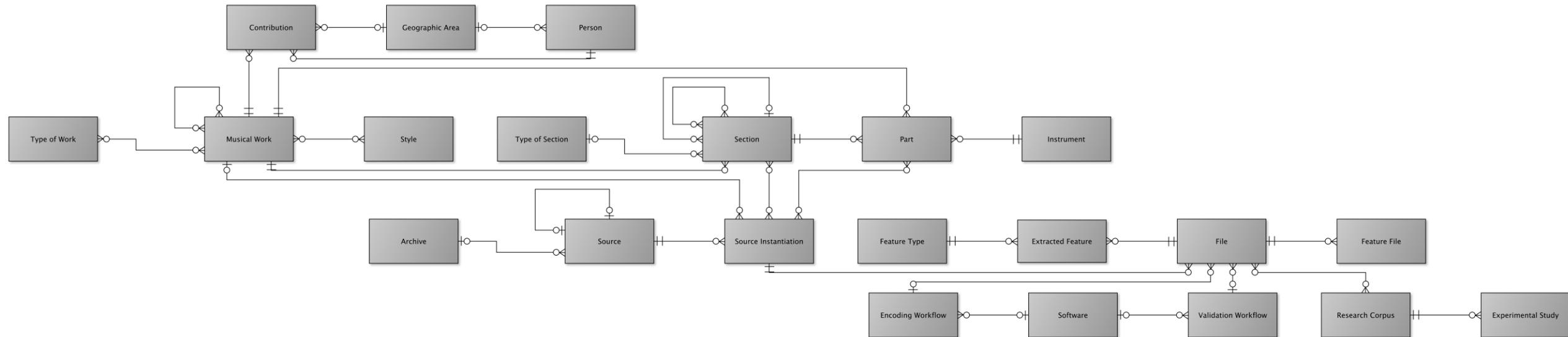
Work: Beethoven Symphony No. 3

Related work: piano reduction

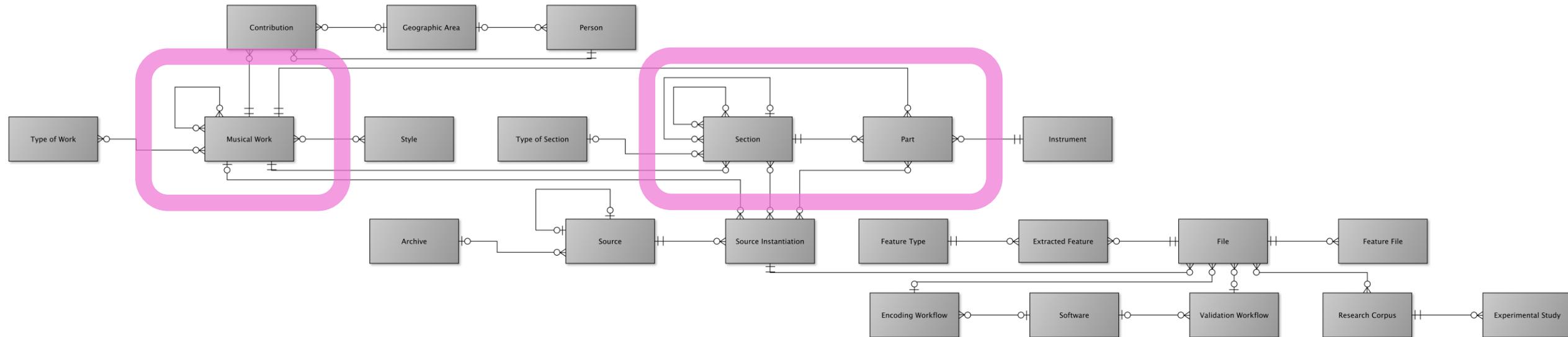
Source: particular edition (e.g., Breitkopf & Härtel, 1862)

File: specific object (the file as it exists stored on IMSLP)

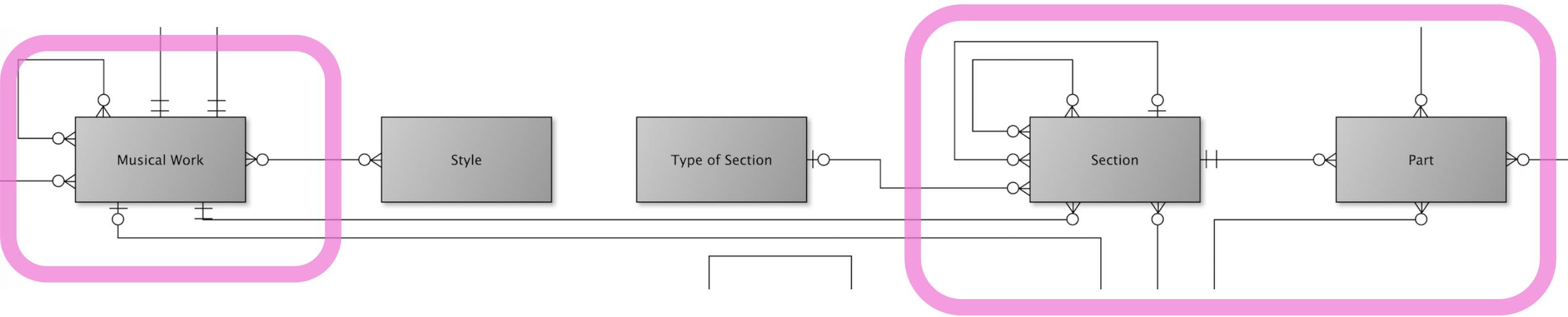
Entity-Relationship Diagram



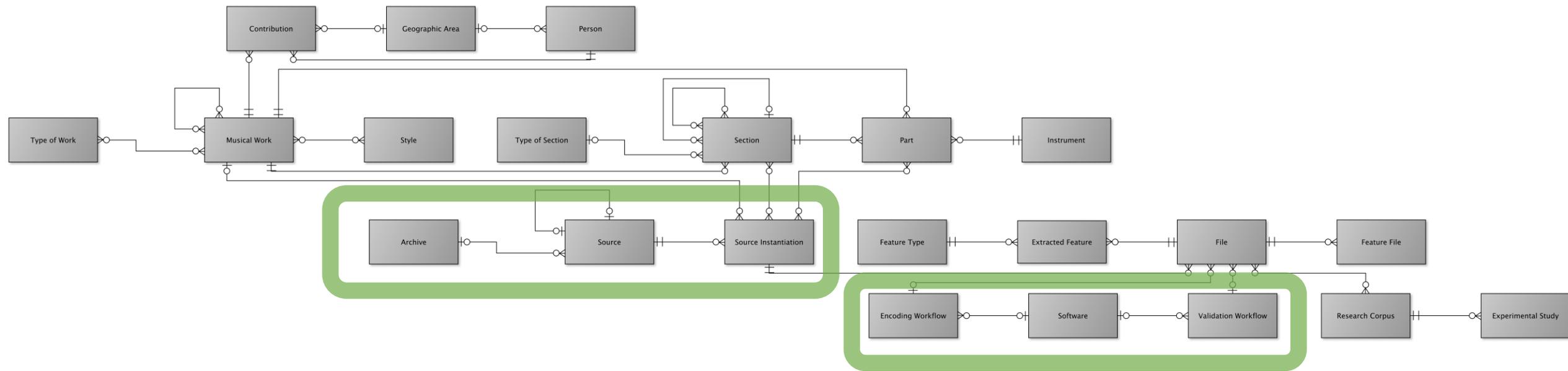
Modelling Musical Works



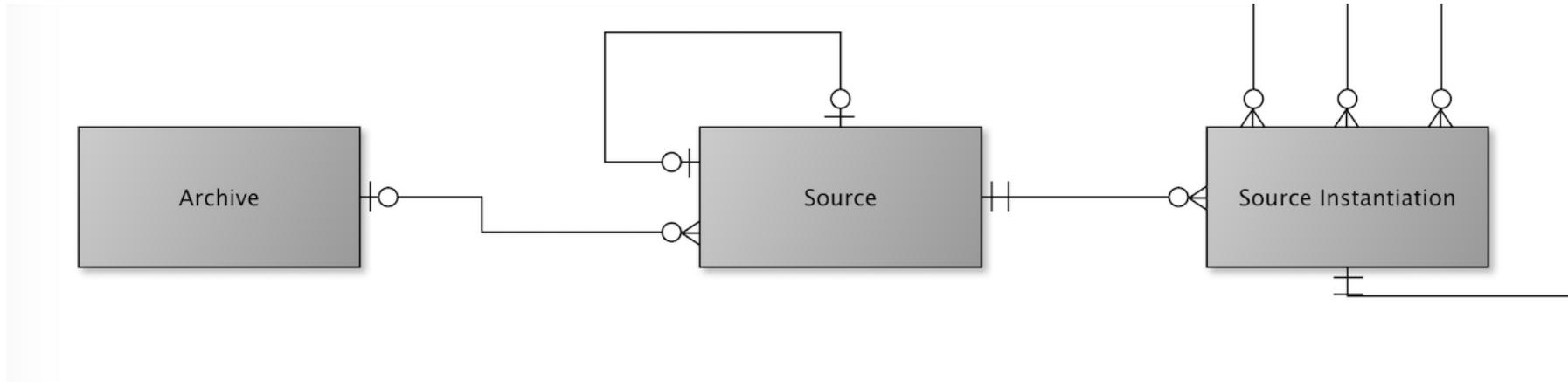
Modelling Musical Works



Tracking Provenance



Tracking Provenance: Archive, Source, Source Instantiation



RISM's Muscat

- Referring to Muscat fields
- Contributing data back to RISM
- Overview of fields in Muscat and other important sources for MML16 (Leah Weitzner, summer 2019)

New Source - Music manuscript, collection parent record**You are operating on a test server and changes will be overwritten.****Library information and relations****LIBRARY SIGLUM (852)**

Library siglum



Library

Department

Provenance



Shelfmark



Shelfmark (olim)



OTHER SHELFMARK (591)**LOCAL NUMBER (035)****ACCESS RESTRICTIONS (506)****PROVENANCE NOTE (561)****SOURCE OF ACQUISITION (541)****PARENT RECORD (773)****ITEMS IN THIS SOURCE (774)****Sections and actions**[Library information and relations](#)[People and institutions](#)[Title and content description](#)[Material description](#)[References and notes](#)[Work](#)[Administration](#)[Show all sections](#)[Show preview](#)[Validate](#)[Save and continue editing](#)[Save and close](#)[Cancel](#)[Show modification history](#)[Attach a new image](#)[Basic functions](#)

FIELDS	BROWN PRINT	BROWN wording	RISM ONLINE	RISM ONLINE FIELDS	DIAMM	DIAMM Fields	Census Catalog	Census Catalog Fields	Brown not included
represents the fields gathered from the other LIBRARY SIGLUM (852)	Y		Y		Y		Y	MS Designation	Description of non-m- Notation Concordances
Library siglum		Copies in		Sigla					
Library						Archive		Library	
Department									
Provenance_								(Library Provenance)	
Shelfmark						Shelfmark		Call Number	
Shelfmark (olim)_						Shelfmark (olim)		olim designation	
OTHER SHELFMARK (591)	N		N		Y	Other Identifiers	Y		
LOCAL NUMBER (035)	N		N		N		N		
ITEMS IN THIS SOURCE (774)							Y	Summary list of contents	
ACCESS RESTRICTIONS (506)	N		N		N		N		
PROVENANCE NOTE (561)	N		N		N		Y	Provenance note, inscriptions found in MS	
SOURCE OF ACQUISITION (541)	N		N		N		N		
PARENT RECORD (773)	N		N		N		N		
INSERTIONS (787)	N		N		N		N		
People and institutions									
COMPOSER/AUTHOR (100)	Y		Y		Y		Y		
Name		Composer (or printer)		Name of Composer		Composer		Composer	
Life dates						Dates of Composer			
Attribution						Source Attribution			
ADDITIONAL PERSONAL NAME (700)	N		N		N		N		
Name									
Life dates									
Attribution									
Function_									
ADDITIONAL INSTITUTION (710)	N		N		N		N		
Institution									
Department_									
Attribution									
Function_									
Title and content description									
TITLE ON SOURCE (245)	Y		Y		Y		Y	MS Designation	
Title on source		Title		Title		Title			*Does not provide the actual title, just the MS D
VARIANT TITLE ON SOURCE (246)	N		N				N		

Thank you!



<https://github.com/ELVIS-Project/simssadb>



@simssaproject



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Social Sciences and Humanities
Research Council of Canada

Conseil de recherches en
sciences humaines du Canada

Canada



McGill



Schulich School of Music
École de musique Schulich

DDMAL

DISTRIBUTED DIGITAL MUSIC
ARCHIVES & LIBRARIES LAB



Centre for Interdisciplinary Research
in Music Media and Technology

Fonds de recherche
Société et culture

Québec



compute | calcul
canada | canada

