

Library Reference Model & MARC 21 Format for Authority Data: A case study on the [musical] Work entity

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Works and Authority Control

- A work is recorded only “**as needed**” to control access points
 - Identify precisely and collocate works of a creator
 - Practice differs across libraries
- Stored as **uniform/preferred titles** in authorities
- Critical for musical resources search
 - Due to the unique elements musical works include in their several instantiations

Searching for musical resources

- Most common elements
 - **Original** or **preferred** titles of work
- Less common or difficult to retrieve
 - **key/mode, form, genre/sub-genre**
 - **expression marks/loudness** and **tempo/time**
 - **timbre** (tone quality), **acoustical parameters** (pitch, rhythm)
 - **transpose/transcription/arrangement**
 - **melodic range** (high, medium, or low) and **motion** (e.g., wide vs. restricted range)
 - **harmonic attributes** (e.g., dissonant/harsh, consonant/sweet, etc.)
 - terms indicating **number of performers** (e.g., duets)

Creating Authorities for musical works

- Each Authorized Access Point must be **distinguishable** from other AAPs
 - Non-distinctive titles require the presence of certain core elements
 - Preferred title for [musical work] (RDA 6.14.2)
 - medium of performance (RDA 6.15), numeric designation (RDA 6.16) and key (RDA 6.17)
- Emphasis on **relationships**
 - RDA provides instructions and guidelines for recording relationships between [musical] works (e.g. Chapters 17, 24, 25 etc.)

From Authorities to graphs

- The Library Reference Model (LRM) promotes a graph-like metadata model
 - Based on **entities** (works, expressions, manifestations, items), **attributes** and **relationships**
- “Authorities” actually disappear
 - Still needed in databases as **interlinking hubs**
 - Can be mapped from LRM to MARC21
 - Embedding links into MARC21 fields

Mozart, Wolfgang Amadeus: Konzerte KV 488 A-Dur; Orchester

HEADING - COMPOSER NAME	Mozart, Wolfgang Amadeus
YEARS OF BIRTH AND DEATH	1756-1791
SCORING SUMMARY	Orchester
OPUS / THEMATIC INDEX NUMBER	KV 488
KEY OR MODE	A-Dur
TITLE OF WORK	Konzerte
Name Variants	
HEADING	Klavierkonzert A-Dur KV 488
	Klavierkonzert Nr. 23
	Klavierkonzert A-Dur KV 488
	Konzerte, Kl Orch KV 488
	Konzerte KV 488

(from <https://muscat.rism.info/admin/works/87>)

The entities involved

Konzerte

KV 488

Klavierkonzert
Nr. 23

Work 1

Category
[Form]:
Orchestra

realized through

Expression 1

Key: **A-Dur**

created by

Person 1

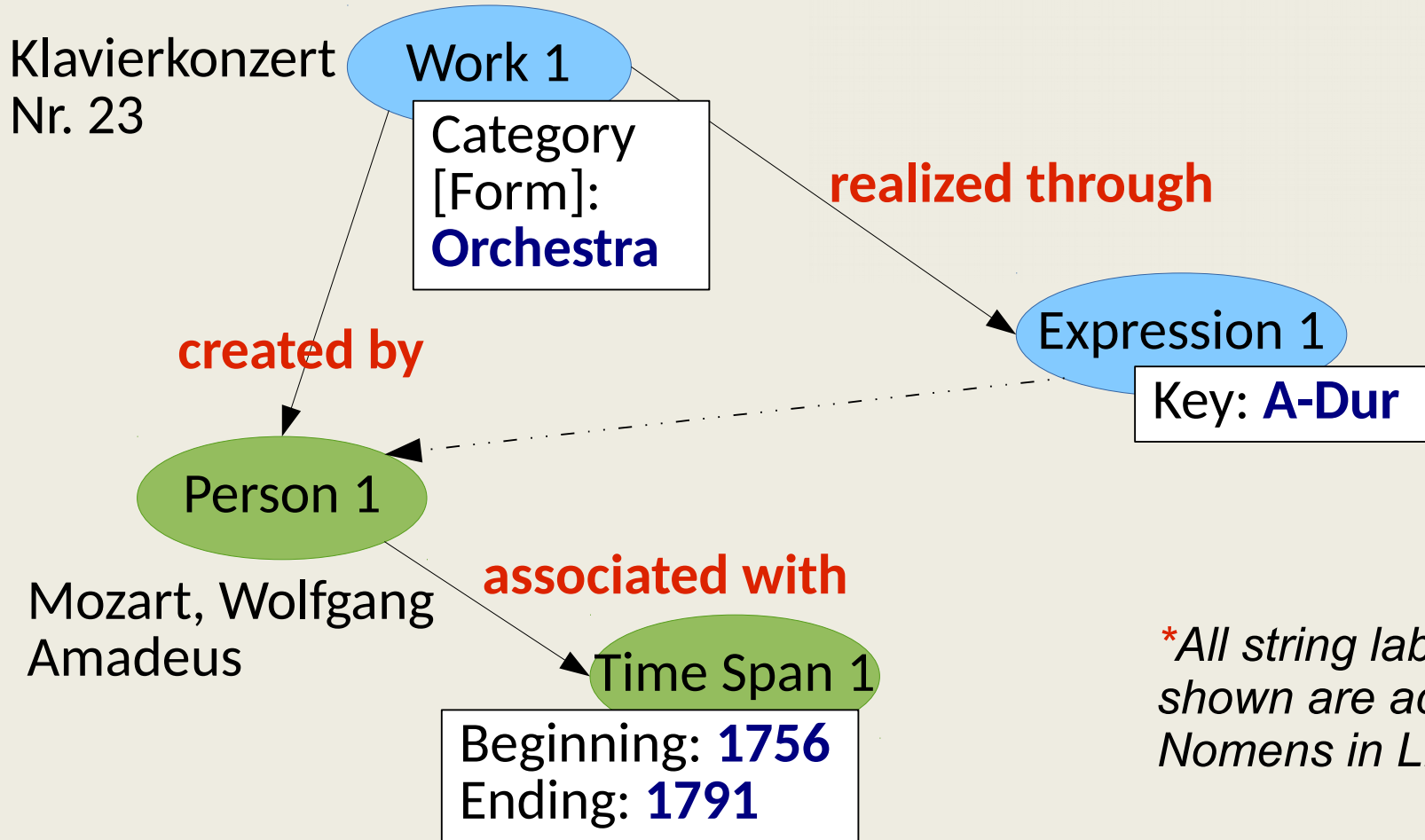
Mozart, Wolfgang
Amadeus

associated with

Time Span 1

Beginning: **1756**
Ending: **1791**

**All string labels
shown are actually
Nomens in LRM*



Suggested MARC21 fields

130 _0 |a Konzerte

380 __ |a Orchestra |2 lcmpt

383 __ |a KV 488

384 0_ |a A-Dur

430 |w r |i Variant title of (work) : |4 <http://www.rdaregistry.info/Elements/w/#P10086> |a Klavierkonzert Nr. 23

500 1_ |w r |i Creator agent of (work) : |4 <http://www.rdaregistry.info/Elements/w/#P10065> |a Mozart, Wolfgang Amadeus, |d 1756-1791. |0 (RISM)115324

**Only relevant fields are shown*

or, even better,
a public URI

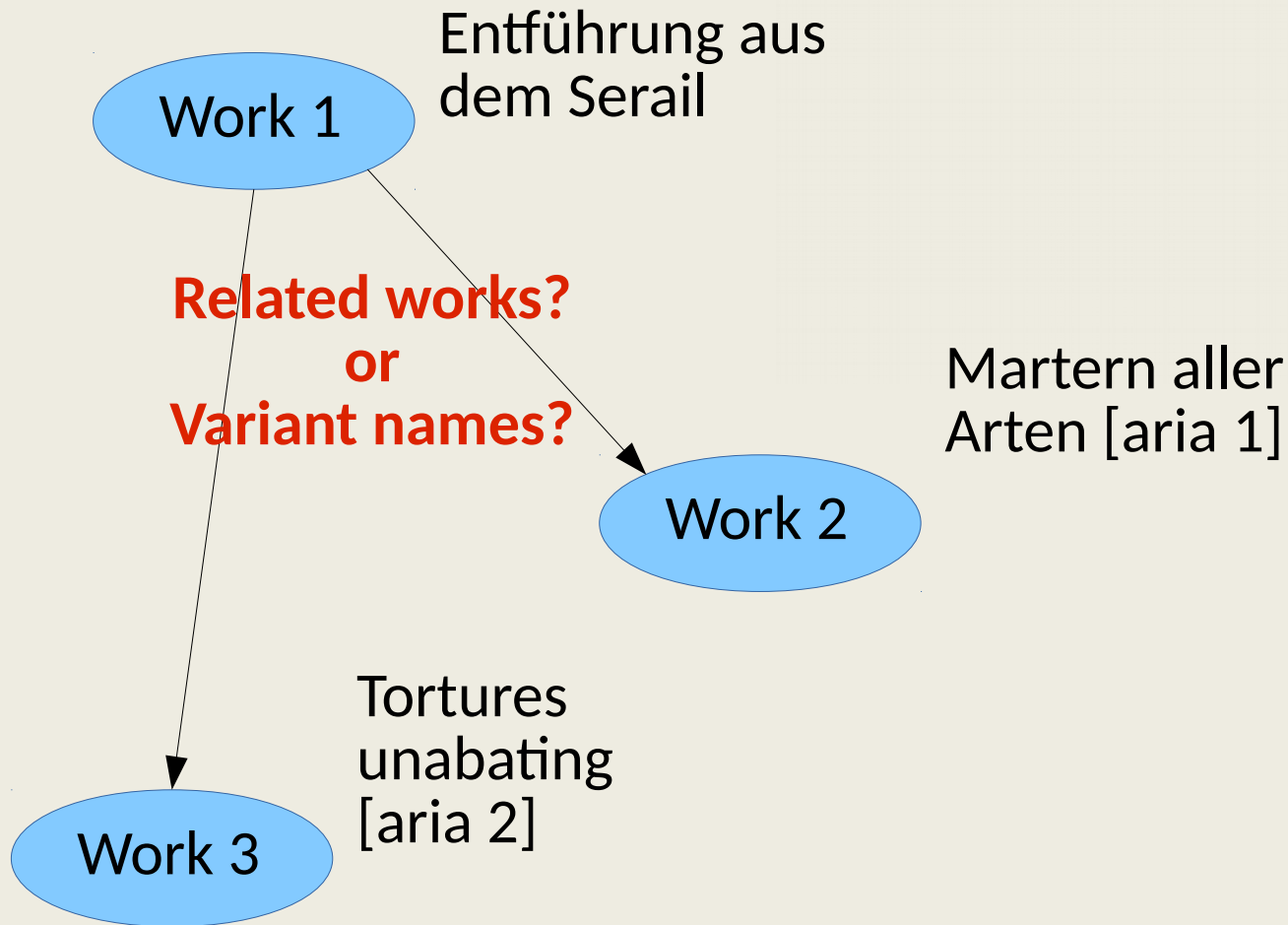
or
Composer agent of (work)
(rdaw:P10053)

Mozart, Wolfgang Amadeus: Entführung aus dem Serail. KV 384_11

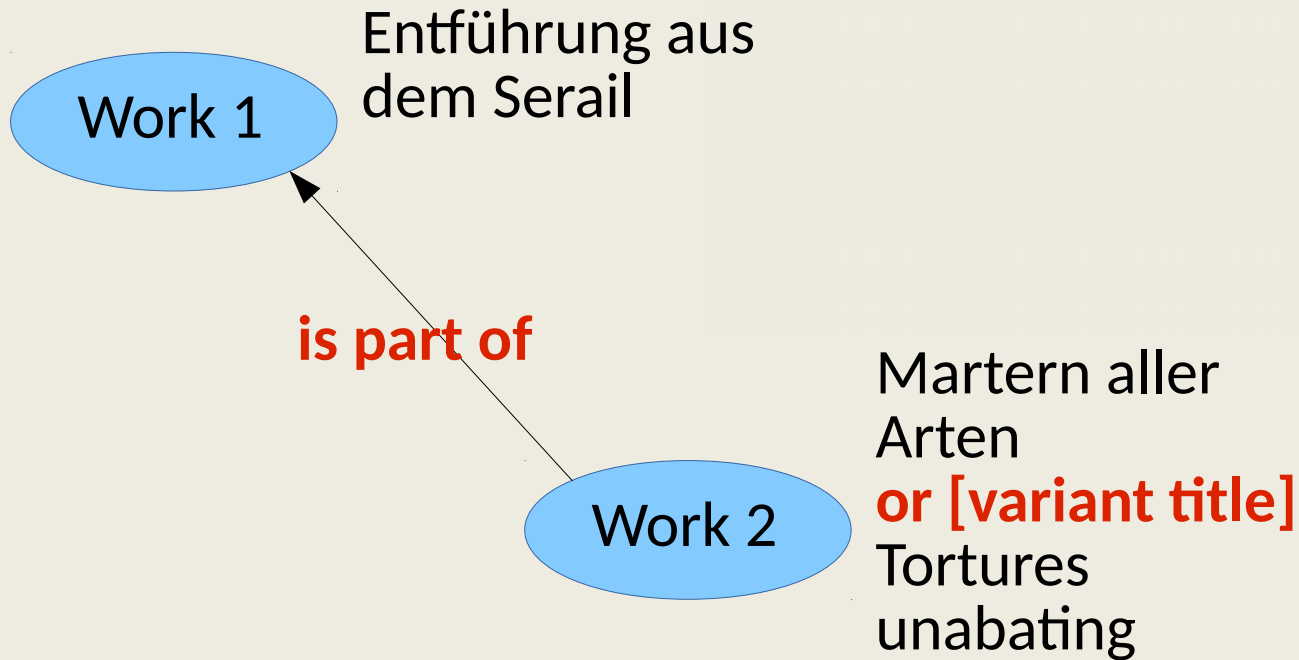
HEADING - COMPOSER NAME	Mozart, Wolfgang Amadeus
YEARS OF BIRTH AND DEATH	1756-1791
OPUS / THEMATIC INDEX NUMBER	KV 384/11
TITLE OF WORK	Entführung aus dem Serail.
Name Variants	
HEADING	Martern aller Arten [aria 1] Tortures unabating [aria 2]

(from <https://muscat.rism.info/admin/works/133>)

How many works are there?



A more accurate graph



Suggested MARC21 fields for Work2

**Only relevant
fields are shown*

130 _0 |a Entführung aus dem Serail. |p Martern aller Arten

380 __ |a Operas |2 lcgft

430 |w r |i Variant title of (work) : |4 <http://www.rdaregistry.info/Elements/w/#P10086> |a Tortures unabating

500 1_ |w r |i Creator agent of (work) : |4 <http://www.rdaregistry.info/Elements/w/#P10065> |a Mozart, Wolfgang Amadeus, |d 1756-1791. |0 (RISM)115324

530 _0 |w r |i Part of (work) : |4 <http://www.rdaregistry.info/Elements/w/P10019> |a Entführung aus dem Serail. |0 [Work1 Authority record control number]

References

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