The LRM and its impact on RDA and related standards

Gordon Dunsire, RDA Technical Team Liaison Officer
Presented at ALCTS Bibliographic Conceptual Models Interest Group, ALA Midwinter
January 27, 2019, Seattle, USA

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Is LRM suitable for RDA?

LRM "a high-level conceptual model ... intended as a guide or basis on which to elaborate cataloguing rules"

→ RDA guidance, instructions, elements

"operates at a greater level of generality than FRBRoo, which seeks to be comparable in terms of generality with CIDOC CRM"

→ RDA cultural heritage communities

LRM "this model is developed very much with semantic web technologies in mind"

→ RDA linked data communities

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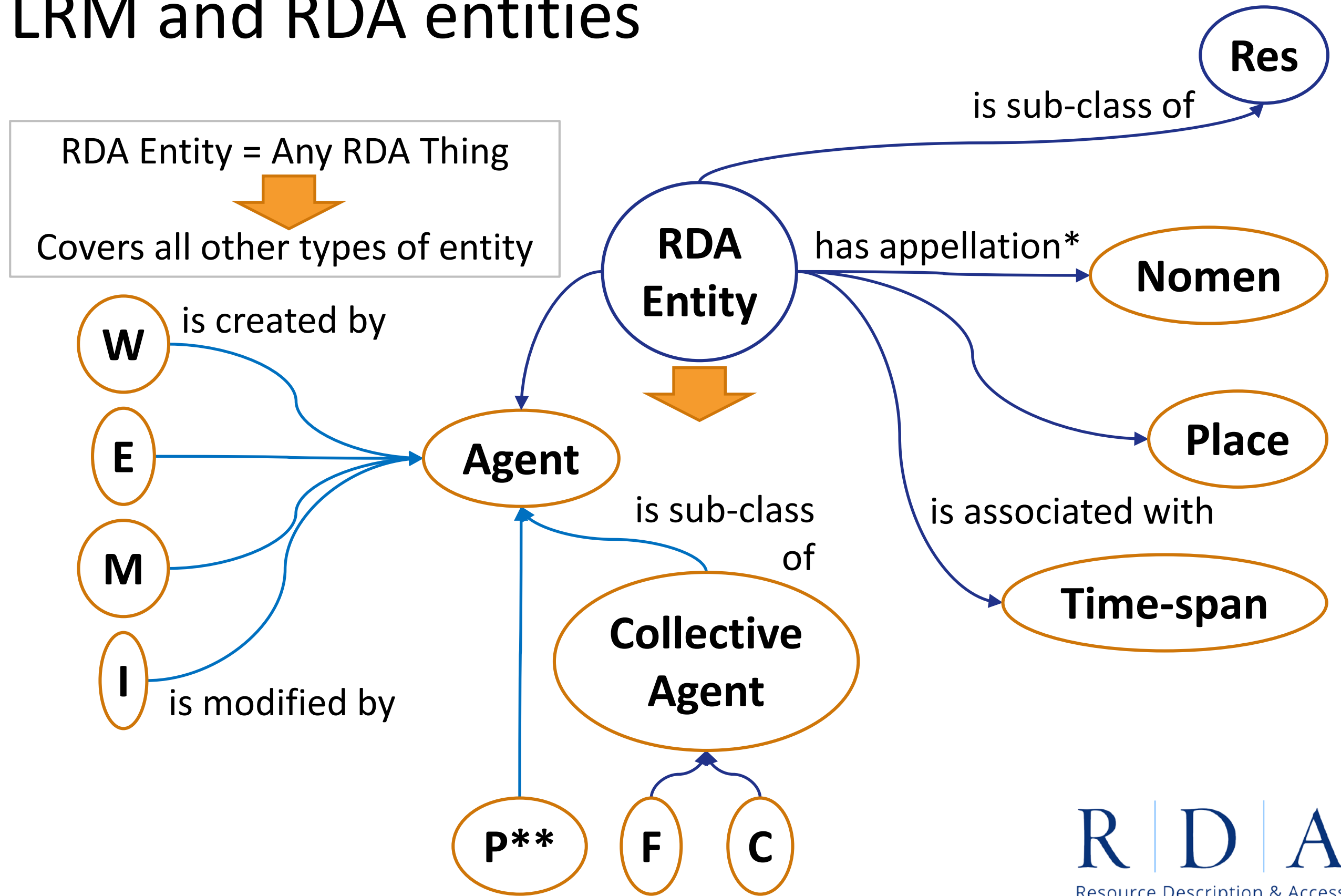
LRM entities

Retained:

    Work, Expression, Manifestation, Item, Person**

Added:

    Agent, Collective Agent, Nomen, Place, Time-span

    + Res (super-class of other entities)

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LRM and RDA entities

RDA Entity = Any RDA Thing

Covers all other types of entity

Res

is sub-class of

RDA Entity

has appellation*

Nomen

W

is created by

E

M

I

is modified by

Agent

Place

is associated with

Time-span

is sub-class of

Collective Agent

P**   F   C

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LRM and RDA elements

Most RDA elements are sub-types of LRM elements

Many RDA attribute elements become relationship elements

New entities: "date of birth" relates a Person to a Timespan

LRM Res attributes added to all RDA entities
category of person; note on place

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LRM-E4-A4 Manifestation statements

A statement appearing in the *manifestation* and deemed to be significant for users to understand how the resource represents itself.

… **normally transcribed** from a source … in a manifestation. Transcription conventions are codified by each implementation.

Principle of representation

User task: Identify

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RDA Manifestation statement elements

Broad level of granularity:

Covers wide range of layouts on manifestation

One level of hierarchy:

All specific statements are sub-types

Manifestation statement
> Manifestation title and responsibility statement
> Manifestation edition statement
> Manifestation identifier statement
> …

RDA Manifestation statement

Recording method: unstructured description (only)

Transcribed from manifestation being described:
Basic transcription rules (WYSIWYG, machine-capture)
Normalized transcription rules (capitalization, punctuation, etc.)
Other transcription rules (specialized communities)

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LRM-E4-A2 Representative expression attribute

An attribute which is deemed essential in characterizing the work and whose values are taken from a representative or canonical expression of the work.

Value of Expression element is recorded for a corresponding Work element

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RDA representative expression elements

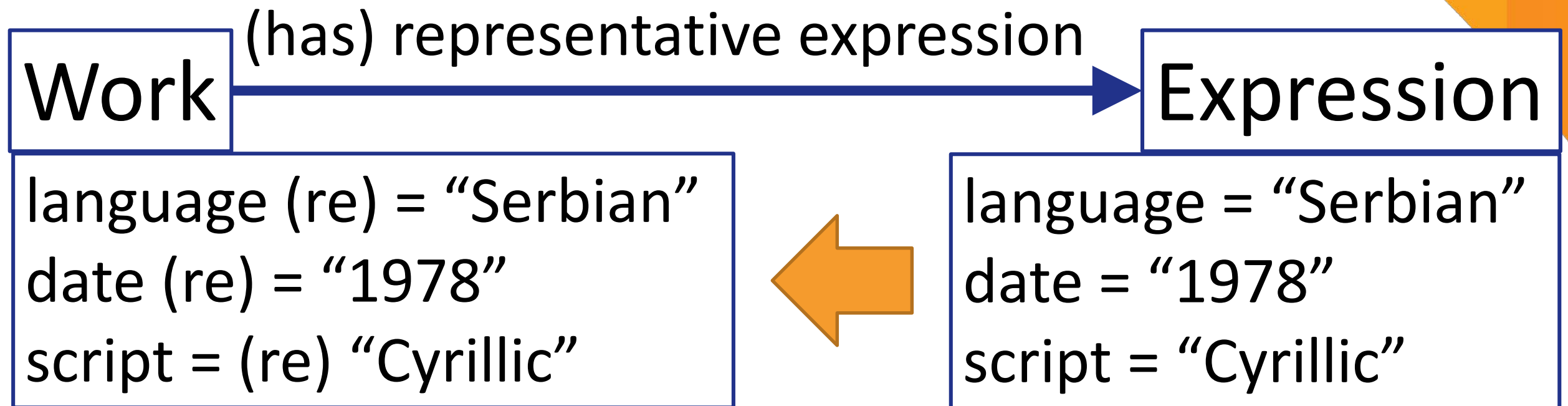Small set of Expression elements that are cloned as Work elements

Expression: language of expression
⇨ Work: language of representative expression

Work: medium of performance of choreographic content of representative expression
    [Longest label in RDA!]

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Representative expression relationship element

Work →(has) representative expression→ Expression

Work
language (re) = "Serbian"
date (re) = "1978"
script = (re) "Cyrillic"

Expression
language = "Serbian"
date = "1978"
script = "Cyrillic"

Main utility:
 construction of access points
 distinct description of similar works

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Non-human personages, etc.

LRM-E6 Agent: An entity capable of deliberate actions, of being granted rights, and of being held accountable for its actions
    Restricted to human beings

Fictitious, legendary, etc. personages in manifestation title and responsibility statements are assumed to be pseudonyms of a Person or Collective Agent (> 1 Person)
    Accommodated by Nomen

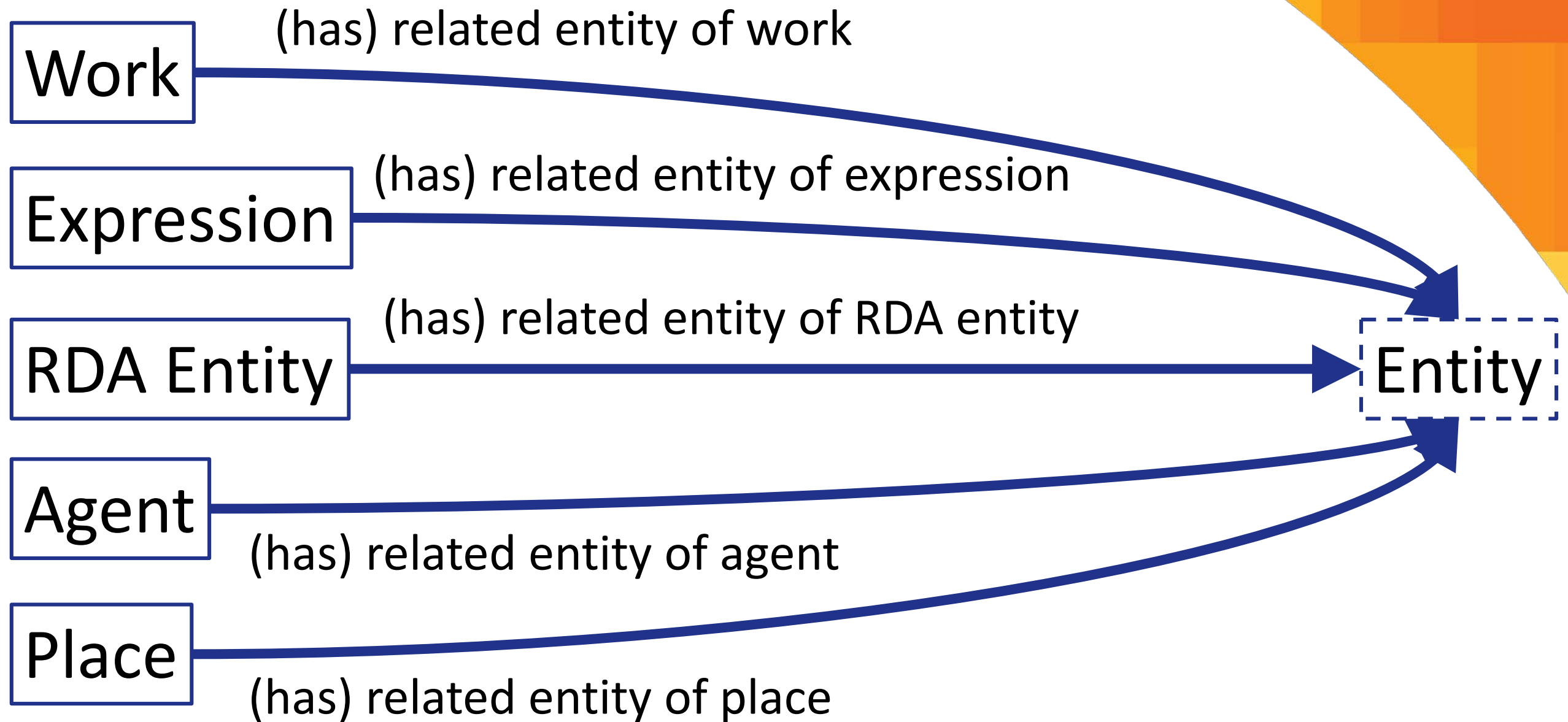R | D | A
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Animals and other non-human performers

Animals, etc. in manifestation title and responsibility statements (credits) are accommodated as non-RDA entities

RDA Entity → (has) related entity of RDA entity → Entity

No assumptions about Entity

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Linking beyond RDA universe

Work — (has) related entity of work → Entity

Expression — (has) related entity of expression → Entity

RDA Entity — (has) related entity of RDA entity → Entity

Agent — (has) related entity of agent → Entity

Place — (has) related entity of place → Entity

13 elements; 1 for each RDA entity

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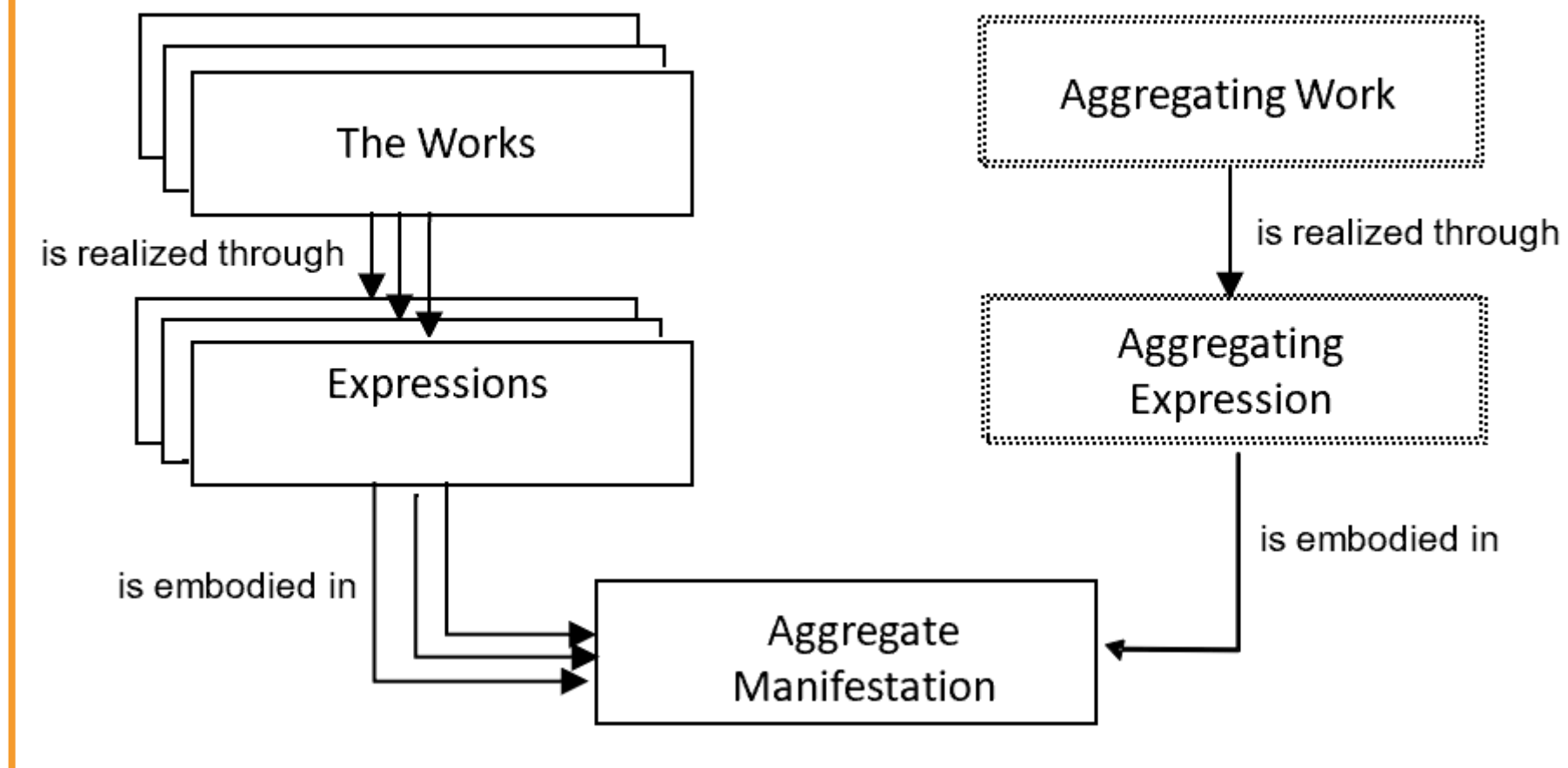
Model for aggregates

2011: IFLA Working Group on Aggregates report
    Do not implement before consolidation of FR
    models [2017]

LRM: "An aggregate is defined as a manifestation embodying multiple expressions … every aggregate manifestation also embodies an expression of the aggregating work"

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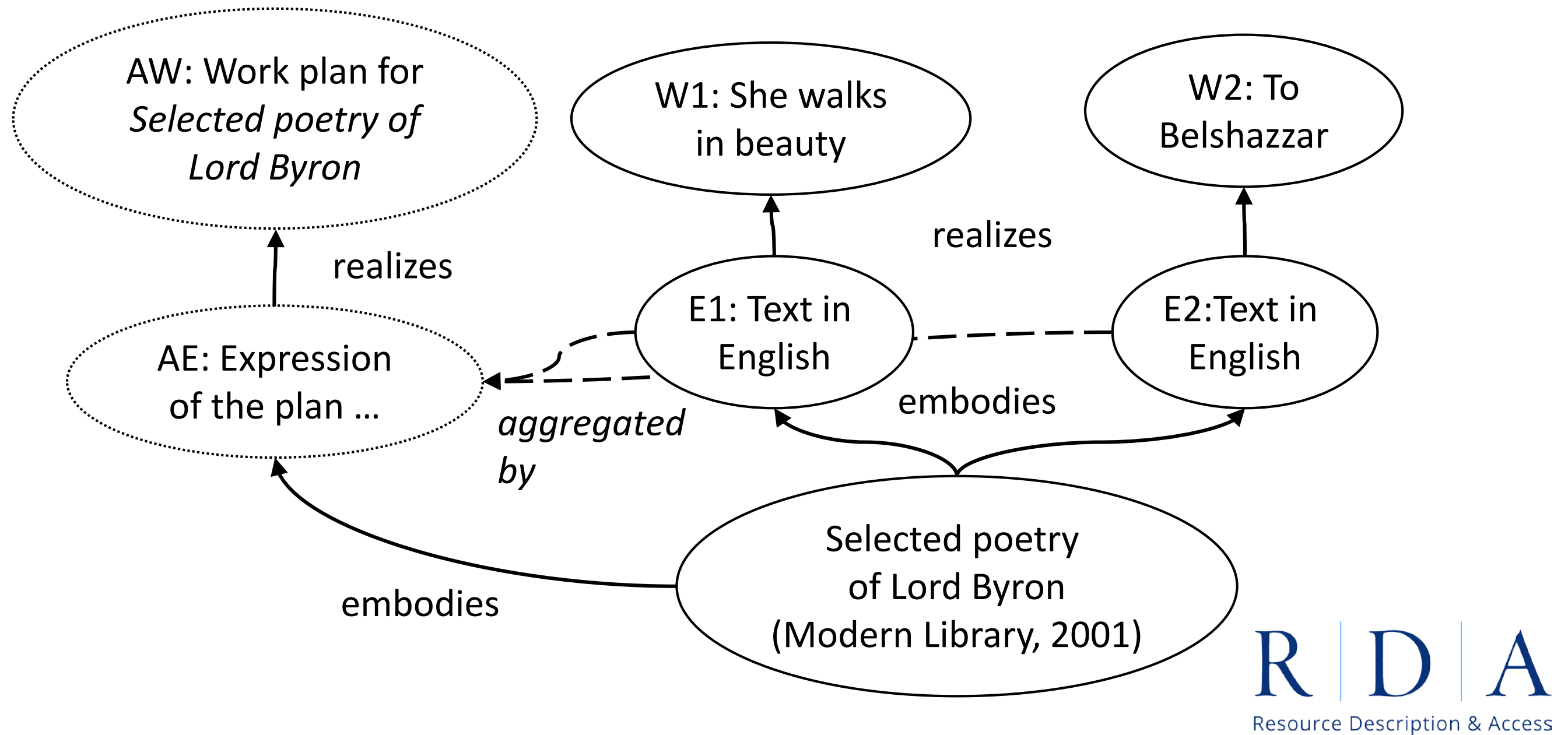Figure 5.7 General Model for Aggregates

An aggregating work is a plan for aggregation

An aggregating expression realizes the plan by packaging the expressions that are aggregated

No whole/part relationships

Aggregate

RDA: A manifestation that embodies an aggregating work and one or more expressions of one or more works that realize the plan for aggregation.

AW: Work plan for *Selected poetry of Lord Byron*

W1: She walks in beauty

W2: To Belshazzar

realizes

realizes

AE: Expression of the plan ...

E1: Text in English

E2: Text in English

aggregated by

embodies

embodies

Selected poetry of Lord Byron (Modern Library, 2001)

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3 types of aggregation

Collection of expressions
    e.g. 3 novels of Jane Austen

Augmentation
    e.g. Emma, with introduction and commentary

Parallel expressions of the same work
    e.g. Emma in English and French

An aggregate may consist of more than one type

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5.8 Modelling of Serials

Serials are complex constructs that combine whole/part relationships and aggregation relationships:

- the complete serial *manifestation* has a whole/part relationship to its individual issues published over time (even though there are serials that happen to have only one issue released);

- and each individual issue is an aggregate of articles (even though there are serials that can occasionally have issues consisting of only one article).

RDA:

diachronic work
A work that is planned to be embodied over time.

RDA/ONIX Framework provides a sub-ontology for how content changes over time
e.g. succession vs integration

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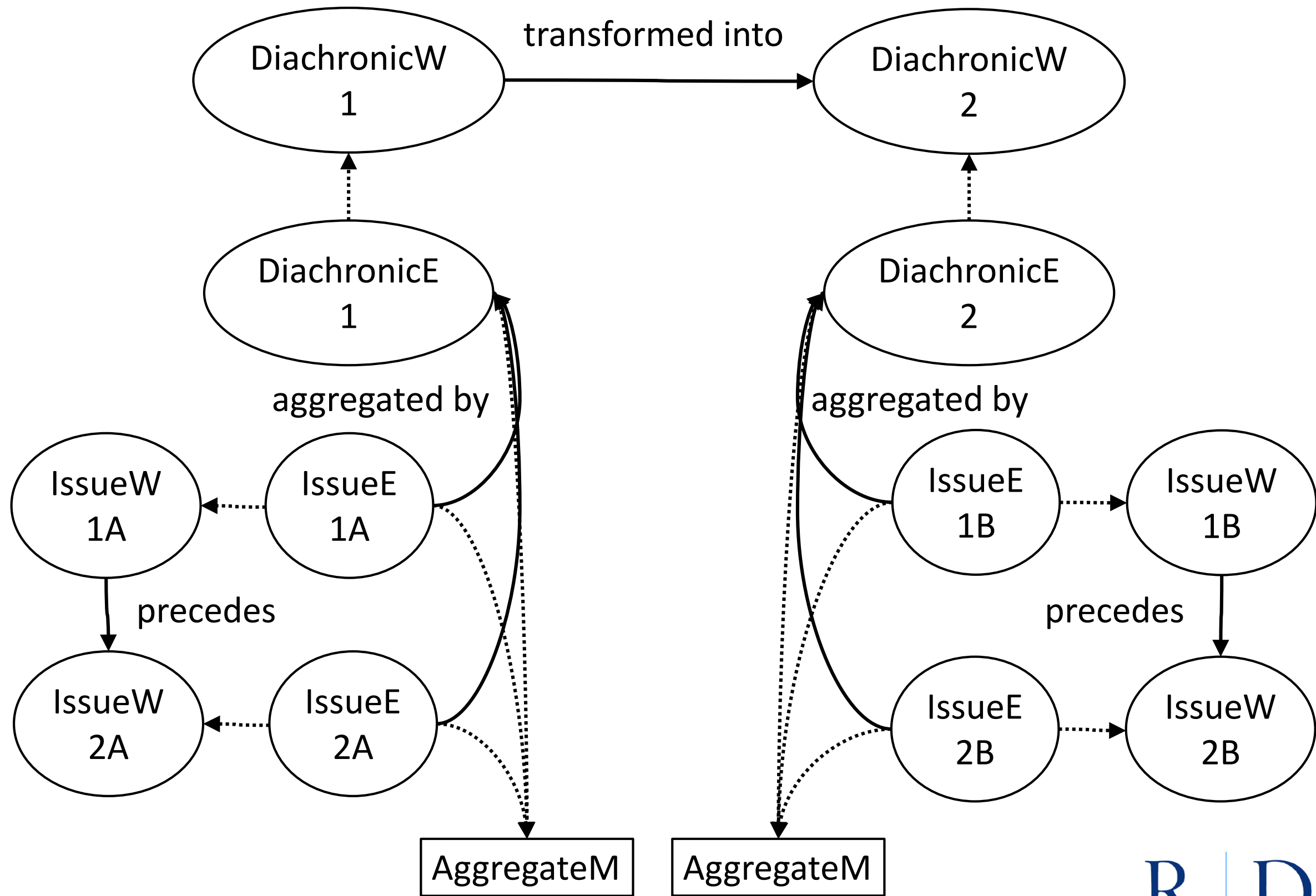Resource Description & Access

Serial work

A work intended to be realized in multiple distinct expressions embodied during a timespan with no ending.

Work-Work relationships
- LRM-R19 precedes [logical, not chronological]
- LRM-R22 was transformed into [by policy, etc.]
Expression-Expression relationship:
- LRM-R25 was aggregated by

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Other (serial) changes to RDA

Data provenance: When is changing, diachronic data valid?

   scope of validity; date of validity

Some elements moved from Manifestation to Work

   frequency; ISSN

Ongoing liaison with ISSN International Centre and ISBD Review Group

What's next for LRM

LRMoo (object-oriented LRM) is under development
    Final draft expected 2019

Integrates the LRM with CIDOC-CRM
    Conceptual reference model used by museum community
    Replaces FRBRoo as an extension of the CRM

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What's next for LRM impact on RDA

Nothing significant
- LRM was developed with CRM in mind
- Main changes are in FRBRoo
    - Removal of WEM sub-classes (entity sub-types)
    - RDA only used FRBRoo for guidance on pre-3R development of aggregates and serials
- Only LRM used for 3R development

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Thank you!

RDA Steering Committee
  http://www.rda-rsc.org/

RDA presentations
  http://www.rda-rsc.org/node/560

RDA Toolkit
  https://www.rdatoolkit.org/

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