



RDA 3R Project: Status Report

Kate James
RDA Examples Editor
kjam@rdatoolkit.org

Acknowledgements

- + These slides include screenshots from an alpha version of the new RDA Toolkit
- + Some slides include content from presentations:
 - + Gordon Dunsire, *Appellations, Authorities, and Access Plus*, June 2017
 - + James Hennelly and Judith Kuhagen, *Update on 3R Project*, June 2017
 - + Kathy Glennan, *Rethinking, Restructuring, & Redesigning RDA*, December 2017
 - + Kathy Glennan for Kate James, *Representative Expressions*, February 2018
 - + Linda Barnhart for Kate James, *Elements, Attributes, and Relationships, Oh My!*, February 2018
- + Thanks to ALA Publishing and listed presenters above for permission to reuse and adapt their materials

What is the 3R Project?

- + RDA Toolkit Restructure and Redesign
- + Restructure of underlying data to reflect current data management best practices
- + Redesign Toolkit interface to address longstanding problems
- + Update RDA to reflect IFLA Library Reference Model

Why?

- + Need for redesign of Toolkit
- + Current structure not sustainable for increasing number of policy statements and translations
- + Now have ability to synch with RDA Registry
- + RDA content is based on conceptual models that have changed

Who?

- + RSC+ (RDA Steering Committee and RDA Working Group Chairs)
- + 3R Core Team (RSC Chair, Chair Elect, Secretary, Examples Editor, Director of ALA Digital Reference, and Wider Community Engagement Officer)
- + Dakota Systems for content management
- + GVPi for Toolkit design
- + Design for Content consultants for user-experience design

Redesign

- + Design from 10 years ago was a “book on the web” not a website
- + Meet accessibility standards for websites
- + Entity view navigation and display
- + Preview pane to show policy statements and related instructions
- + Mouseover for vocabulary definitions
- + Dropdown menus and collapsible sections in instructions

Toolkit Navigation: Current and New

Current

- + Contains “general guidelines” chapters and instructions throughout
- + Instructions organized by section then chapter
- + Table of contents expands
- + Link to another instruction or policy statement replaces current instruction

New

- + Will contain general guidance section separate from entities
- + Instructions organized by entity
- + Entity view diagram expands to show elements
- + Preview pane allows viewing current instruction and related instructions or PS

Current Toolkit: RDA Contents

- RDA
 - RDA Table of Contents
 - + 0: Introduction
 - Section 1: Recording Attributes of Manifestation & Item
 - + 1: [General Guidelines](#) on Recording Attributes of Manifestations and Items
 - 2: Identifying Manifestations and Items
 - 2.0 Purpose and Scope
 - 2.1 Basis for Identification of the Manifestation
 - 2.1.1 [General Guidelines](#)
 - + 2.1.2 Comprehensive Description
 - + 2.1.3 Analytical Description
 - + 2.2 Sources of Information
 - 2.3 Title
 - 2.3.1 [Basic Instructions on Recording Titles](#)
 - 2.3.1.1 Scope
 - 2.3.1.2 Sources of Information
 - 2.3.1.3 Facsimiles and Reproductions
 - 2.3.1.4 Recording Titles
 - 2.3.1.5 Names of Agents
 - 2.3.1.6 Introductory Words, Etc.
 - + 2.3.1.7 Titles of Parts, Sections, and Supplements

- 7: Describing Content
 - 7.0 Purpose and Scope
 - + 7.1 General Guidelines on Describing Content
 - + 7.2 Nature of Content
 - + 7.3 Coverage of Content
 - + 7.4 Coordinates of Cartographic Content
 - + 7.5 Equinox
 - + 7.6 Epoch
 - + 7.7 Intended Audience
 - + 7.8 System of Organization
 - + 7.9 Dissertation or Thesis Information
 - + 7.10 Summarization of Content
 - + 7.11 Capture Information
 - + 7.12 Language of Content
 - + 7.13 Form of Notation
 - + 7.14 Accessibility Content
 - + 7.15 Illustrative Content
 - + 7.16 Supplementary Content
 - + 7.17 Colour Content
 - + 7.18 Sound Content
 - + 7.19 Aspect Ratio
 - + 7.20 Format of Notated Music

Work

Expression

Pop Quiz: Which elements are for work and which are for expression?

RDA-MARC Mappings

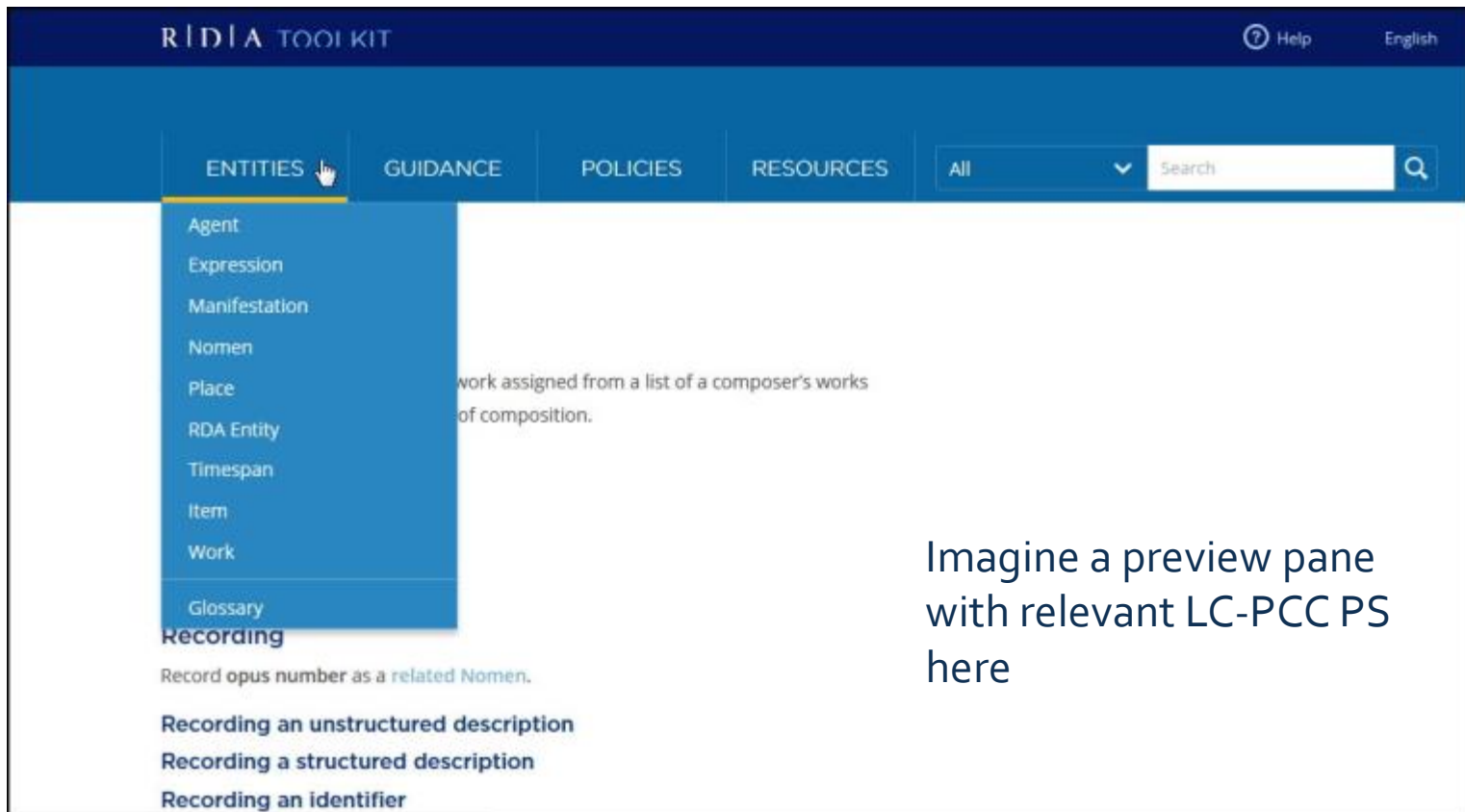
+ No more long tables

Chapter 6 Identifying Works and Expressions	
Title of the Work	
6.2.2 100 \$f	Preferred Title for the Work 100 \$f 430 \$f 500 \$f n Number of part/section of a work
6.2.2 430 \$f	Preferred Title for the Work 100 \$f 430 \$f 500 \$f p Name of part/section of a work
6.2.2 500 \$f	Preferred Title for the Work 100 \$f 430 \$f 500 \$f t Title of a work
6.2.2 110 \$f	Preferred Title for the Work 110 \$f 410 \$f 510 \$f n Number of part/section of a work
6.2.2 410 \$f	Preferred Title for the Work 110 \$f 410 \$f 510 \$f p Name of part/section of a work
6.2.2 510 \$f	Preferred Title for the Work 110 \$f 410 \$f 510 \$f l Title of a work
6.2.2 130 \$f	Preferred Title for the Work 130 \$f 430 \$f 530 \$f n Number of part/section of a work
6.2.2 430 \$f	Preferred Title for the Work 130 \$f 430 \$f 530 \$f p Name of part/section of a work
6.2.2 530 \$f	Preferred Title for the Work 130 \$f 430 \$f 530 \$f l Title of a work
6.2.2 480 \$f	Preferred Title for the Work 480 \$f 410 \$f 411 \$f a Uniform title
6.2.2 410 \$f	Preferred Title for the Work 480 \$f 410 \$f 411 \$f k Part subheading
6.2.2 411 \$f	Preferred Title for the Work 480 \$f 410 \$f 411 \$f n Numbering
6.2.2 430 \$f	Preferred Title for the Work 480 \$f 410 \$f 411 \$f p Name of part/section of a work
6.2.2 410 \$f	Variant Title for the Work 480 \$f 410 \$f 411 \$f l Title of a work
6.2.2 411 \$f	Variant Title for the Work 480 \$f 410 \$f 411 \$f n

+ Listed under element in Element Reference section

+ Also exploring a look-up tool

Toolkit Dropdown Menu--Draft



Imagine a preview pane with relevant LC-PCC PS here

Toolkit Element Reference--Draft

media type

Definition and Scope

A categorization reflecting the general type of intermediation device required to view, play, run, etc., the content of a manifestation.

 Element Reference

This section expands and collapses when you click on the eye

IRI

<http://rdaregistry.info/Elements/m/P30002> IRI for media type from RDA Registry

Domain

Manifestation

Alternate labels

Alternate label from RDA Registry

has media type

MARC21

337 \$a

337 \$b

Toolkit Glossary--Draft

Glossary

A

back to back

A layout in which the same image is represented in more than one language on each side of a sheet. This term applies to cartographic images.

B

C

bar by bar

This term applies to tactile music resources.

D

A layout consisting of music displayed in indented paragraphs with all of the parts for each measure written consecutively.

E

F

bar over bar

A layout consisting of measures displayed in units called parallels and that the beginning of each part's measure is vertically aligned with the beginning of the same measure for the other part or parts.

H

This term applies to tactile music resources.

I

base material

An underlying physical material of a manifestation.

Restructure

- + Content will be encoded using Darwin Information Typing Architecture (DITA)
- + New translation software Trados
- + Some synchronization between RDA Registry and Toolkit
 - + started in 2016
 - + RDA value vocabularies (e.g., content type)
 - + RDA elements
 - + Attributes and relationships
 - + Called “Properties” in Registry (e.g., Work properties)

New Entities

- + RDA Entity
- + Agent
- + Collective Agent
- + Timespan
- + Nomen

RDA Entity

- + Not defined in LRM, but can be considered refinement of LRM entity "Res"
- + Will not be as broad as "Res"
- + A superclass for all RDA entities (e.g., Work, Place, Agent)

Agent and Collective Agent

+ Agent

- + person and collective agent
- + in RDA instructions since 2017 as shorthand way of saying “person, family, or corporate body”
- + must be one or more real human beings

+ Collective Agent

- + corporate body or family

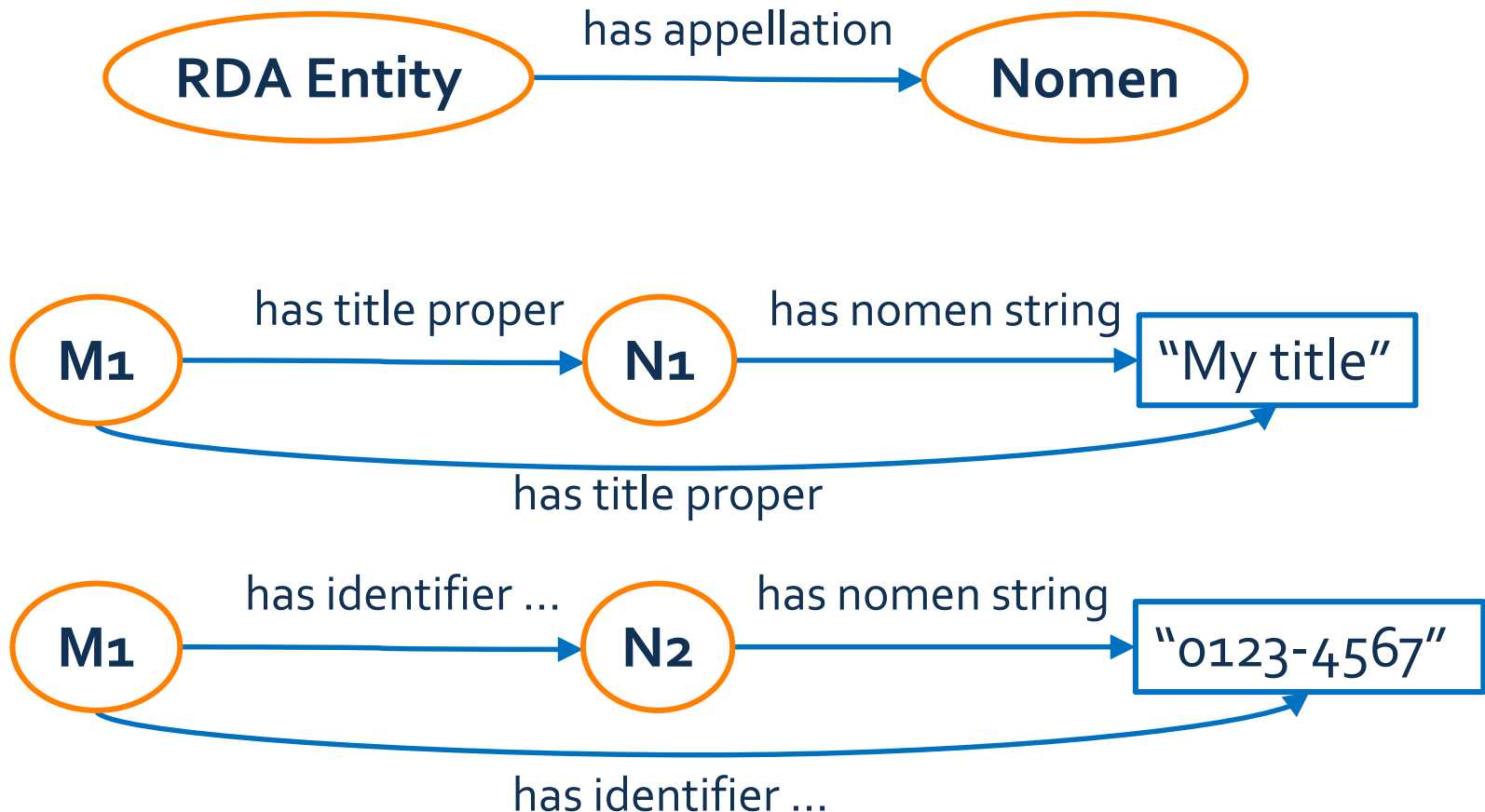
Timespan

- + LRM definition: “a temporal extent having beginning, end, and duration”
- + a timespan can be expressed more generally or specifically
 - + 20 March 2018–21 March 2018
 - + 17th century
 - + 1922
- + latent entity in RDA as an attribute for other entities
 - + date of work
 - + period of activity of corporate body

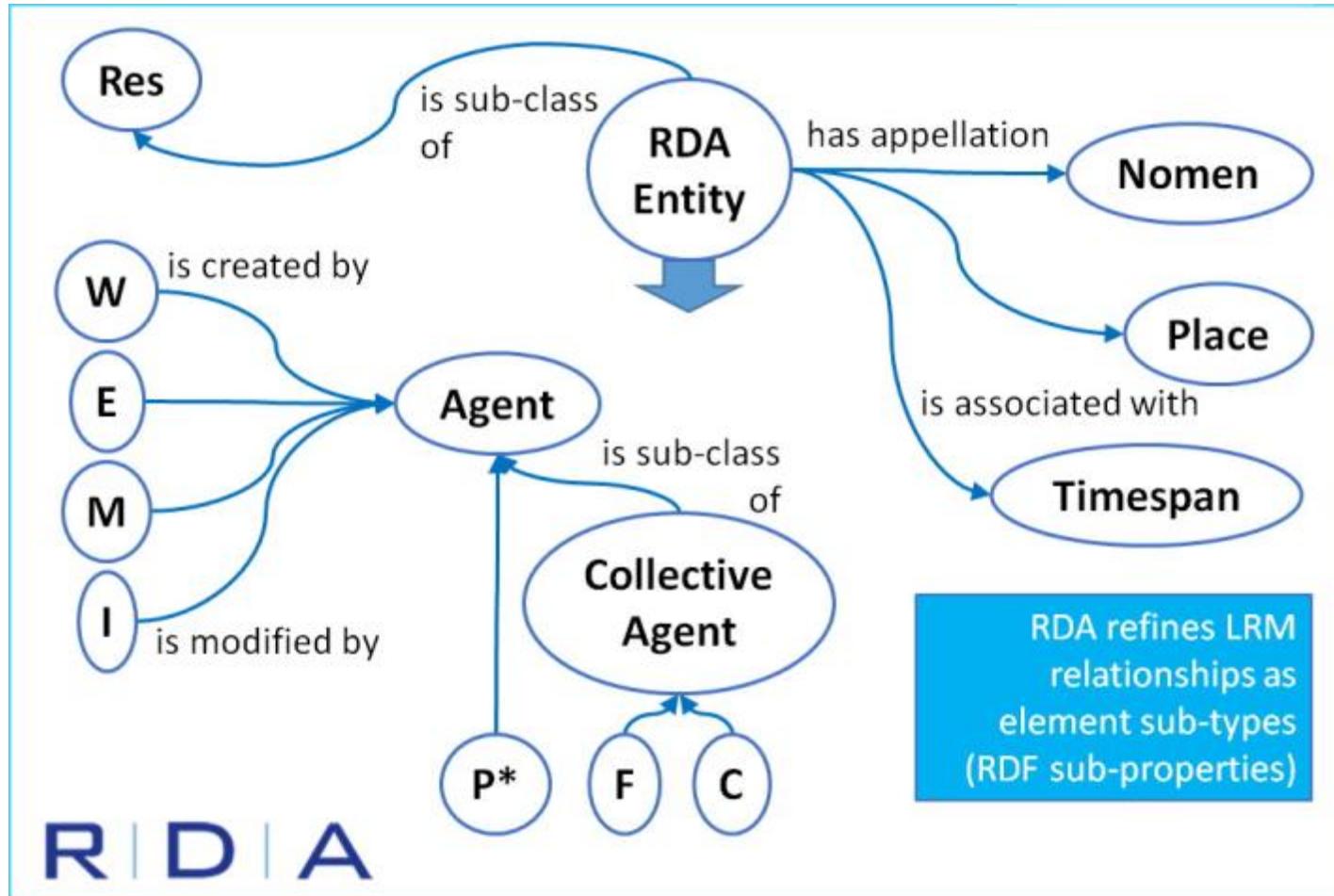
Nomen

- + Not the same concept as the Latin word
- + LRM definition: An association between an entity and a designation that refers to it
- + Agents are “things” that we often use “nomen strings” to represent

Shortcutting Through Nomen



LRM and RDA Entities



Changes to Elements

- + New elements
 - + Representative expression
 - + Relationship designators are element sub-types
- + Attributes and relationships together with entity
- + Verbalized labels from Registry available
- + Three elements moving from work to expression:
medium of performance, key, and intended audience

Representative Expression Nutshell

- + A work attribute
 - + Work *has representative expression attribute* “expression attribute value”
 - + Hamlet *has representative expression attribute* English
- + “a pragmatic way to ‘park’ information under the work, and in this way avoid the need to record the information in association with any specific expression”

Representative Expression in RDA

- + RDA will contain a general guidance chapter on representative expression
- + A relationship element will be defined
- + Specific representative expression elements will be defined for use as work elements
- + Implementation is an agency decision
- + Expression elements will remain available for use unless affected by another 3R change
 - + There may be changes to labels and definitions

Representative Expression Examples

- + **Relationship:** William Shakespeare's Hamlet *has representative expression* F₁
- + **Relationship:** F₁ *is representative expression of* Hamlet
- + **Specific Attribute:** Hamlet *has language of representative expression* English
- + **Specific Attribute:** C.P.E Bach's Sonata H. 579 *has key of representative expression* C minor

Attributes and Relationships

Current

- + Attributes and relationships are elements
- + Attributes and relationships in separate chapters
 - + Identifier for Item (2.20)
 - + Item relationships in chapters 17, 22, and 28

New

- + Attributes and relationships are elements
- + Attributes and relationships together
 - + Item: identifier for item
 - + Item: manifestation exemplified

Attributes as Relationships

- + When one entity is recorded as an attribute of another, there is a relationship
 - + **Associated institution** is a current example
- + New entities blur line between attributes and relationships even more
 - + Amy Tan **has date of birth** 1952
 - + Amy Tan **has related timespan of person** 1952

Relationship Designators as Elements

Current

- + Creator (Chapter 19)
 - + relationship designators (I.2.1)
 - + instructions for relationship designators in Chapter 18
- + Instructions for use in Chapters 18, 24, and 29
- + Part of the relationship element

New

- + Work: creator
 - + Related elements: artist, author, cartographer, composer, etc.
- + General guidance and instructions at each element
- + It is the relationship element

Domain and Range Nutshell

- + **Domain:** entity that the element belongs to
- + **Range:** entity that a relationship element points to
- + The RDA Registry pattern for label definitions is “*Relates a/an {domain entity} to {Toolkit definition}*”
 - + Definitions for relationship designators have range entity as part of definition

Verbalized Labels from RDA Registry

rdaa:P50029	"has founder"	"Relates a corporate body to a person who founded a corporate body."
rdaa:P50030	"has member"	"Relates a corporate body to a person who is a member of a corporate body."
rdaa:P50031	"has place associated with corporate body"	"Relates a corporate body to a significant location associated with a corporate body."
rdaa:P50032	"has name of corporate body"	"Relates a corporate body to a word, character, or group of words and/or characters by which a corporate body is known."

Diagram annotations:

- Domain**: A blue box pointing to "a corporate body" in the definition for "has founder".
- Toolkit definition**: A green box pointing to "a corporate body" in the definition for "has member".
- Range given in definition**: An orange box pointing to "a person who is a member of a corporate body" in the definition for "has member".

+ You can make a simple sentence with the labels, e.g., ALA *has member* Carla Hayden

Relationship Designator: **composer**

+ Work to Agent:

- + Nihon kyōsōkyoku

- + *Composer*: Ifukube, Akira, 1914–2006

+ Reciprocal relationship: Agent to Work

- + Ifukube, Akira, 1914–2006

- + *Composer of*: Nihon kyōsōkyoku

Current Chapter 18 does not allow for unstructured description of relationships between works and agents, but if it did, you could say, "Nihon kyōsōkyoku has composer Akira Ifukube."

Registry Label: **has composer**

+ Work to Agent:

+ Nihon kyōsōkyoku

+ *Has composer*: Ifukube, Akira, 1914–2006

+ Nihon kyōsōkyoku *has composer* Ifukube, Akira, 1914–2006

+ Reciprocal relationship: Agent to Work

+ Ifukube, Akira, 1914–2006

+ *Is composer of*: Nihon kyōsōkyoku

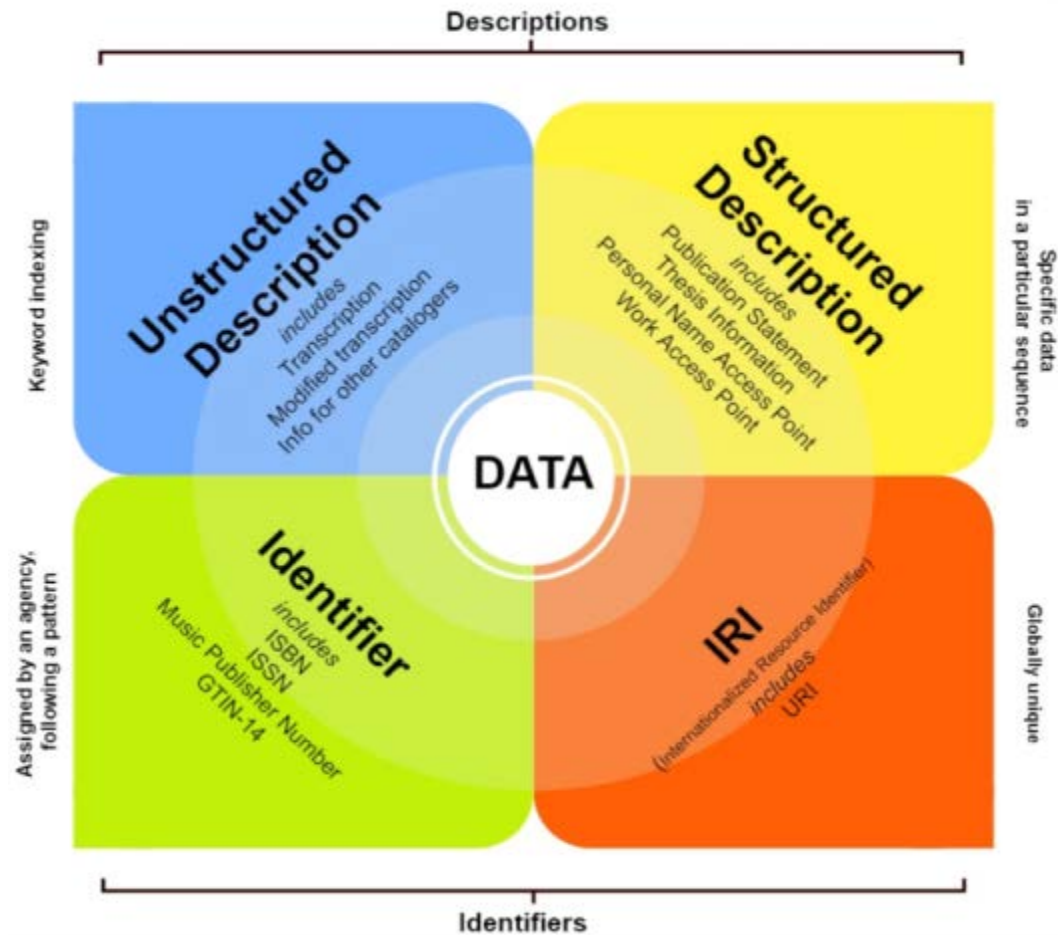
+ Ifukube, Akira, 1914–2006 *is composer of* Nihon kyōsōkyoku

Other 3R Changes

- + Recording methods
- + Example changes

- + Other changes not discussed today (e.g., aggregates)

Recording Methods Nutshell



Recording Methods Example

- + Unstructured Description
 - + 평창군
- + Structured Description
 - + P'yŏngch'ang-gun (Korea)
- + Identifier
 - + LCCN n 78070187
- + IRI
 - + <http://id.loc.gov/authorities/names/n78070187>
- + Not all methods available for all elements

Example Changes

- + 4 different types of examples
 - + Basic Set
 - + Resembles current examples
 - + Recording Methods
 - + Shows the same data recorded in different ways
 - + View as Relationship
 - + diagram
 - + View in Context
 - + A set of data elements for an entity

Basic Set Examples: Relationships

- + Godzilla, King of the Monsters is an adaptation of the work Gojira

Recording method: unstructured description

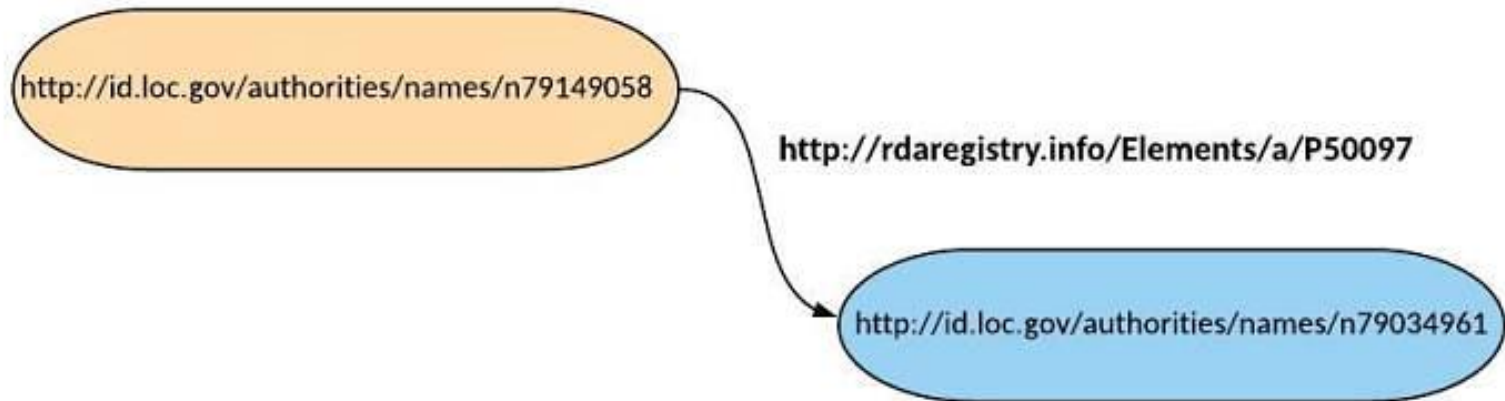
- + <http://id.loc.gov/authorities/names/no2013021406>
<http://www.rdaregistry.info/Elements/w/#P10013>
<http://id.loc.gov/authorities/names/nog6020291>

Recording method: IRI

[and others...]

View as Relationship Example--Draft

Walcott, Derek has country associated with person **Saint Lucia**



Example resembles a visualization of an RDF triple. Both entities and the relationship designator can be represented with IRIs.

View in Context Example: Work

+ creator: Christo, 1935–

+ creator: Jeanne-Claude

+ preferred title of work: The gates

+ form of work: Installation

+ date of work: 1979

*Hopefully we will be able to show from which element you viewed this example.
Here the blue text is showing that you were looking at "form of work."*

Want to know more about 3R?

- + RDA Toolkit 3R Project website:
<http://rdatoolkit.org/3Rproject>
- + 3R FAQ page on RSC website:
<http://rda-rsc.org/node/551>
- + IFLA Library Reference Model in PDF:
https://www.ifla.org/files/assets/cataloguing/frbr-lrm/ifla-lrm-august-2017_rev201712.pdf
- + Presentations on RSC website:
<http://www.rda-rsc.org/rscpresentations>



R | D | A

Resource Description & Access

TOOLKIT