UPDATE ON 3R PROJECT
(RDA TOOLKIT RESTRUCTURE AND REDESIGN PROJECT)

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Why?

– *Restructuring of RDA as part of implementing the IFLA Library Reference Model (LRM)*

- Consolidation of FRBR, FRAD, and FRSAD conceptual models

– *Clear need for a redesign of Toolkit and workflow processes*

- Time for better, smarter design
- With more translations and policy statements to come, the current data structure is not sustainable
- Current tools and practices are inefficient and unreliable

Goals of 3R Project

Significantly improve RDA and RDA Toolkit in order to...

■ better meet the needs of users and be a more productive part of their work

■ add greater flexibility and utility to the Toolkit's display of instructions and RDA-related documents

■ provide efficient and reliable work processes and tools for authoring groups

R|D|A

Three areas by three groups

- Restructure of data and work processes (Dakota Systems)

- Redesign of Toolkit and user experience (GVPi)

- RDA and RDA Reference content (RSC)

RDA

3R redesign priorities

- Responsive design

- W3C's Web Content Accessibility Guidelines

- Integrated Display

- Update user content (workflows) creation tools

- New instruction views based on special areas (e.g. music, rare materials)

Profiles

- Account profiles are likely to be required

- Personal profiles are strongly recommended

- Improvements to Admin site to allow for easy management of profiles

Transitioning to the 3R Toolkit

- Current site will remain accessible through April 2019

- Free online Toolkit training presentations (both live and recorded) will be available

RDA and RDA Reference content – changes

1) Make revisions and additions to implement LRM

2) Extend "4-Fold Path" for data capture and format

3) Expand RDA Element Set and improve display of content in the Entity View

Pre-project changes to RDA content in Toolkit

- Synchronization between OMR and Toolkit
  – *Supplying content for Toolkit glossary, "scope" instructions, appendices I-K, and controlled vocabulary lists*

- Replacing "person, family, and corporate body" with "agent"

- Replacing "resource" with specific entity in the WEMI stack

- Referring to elements with indefinite, rather than definite, article (e.g., a title proper, a preferred name) & deleting articles within names of elements in English

R|D|A

RDA changes in Open Metadata Registry

- **What is OMR?**
  - *An open system registry used by 180+ organizations and individuals to store linked data: element/property sets, vocabularies, and application profiles*
  - *Managed by Metadata Management Associates*

- **Who makes changes in RDA content?**
  - *RSC Chair and RSC Secretary, 3R Project Consultant, translators*

- **Why?**
  - *So content needs to be edited only once*
  - *So content is available beyond the RDA Toolkit at no cost*

RDA
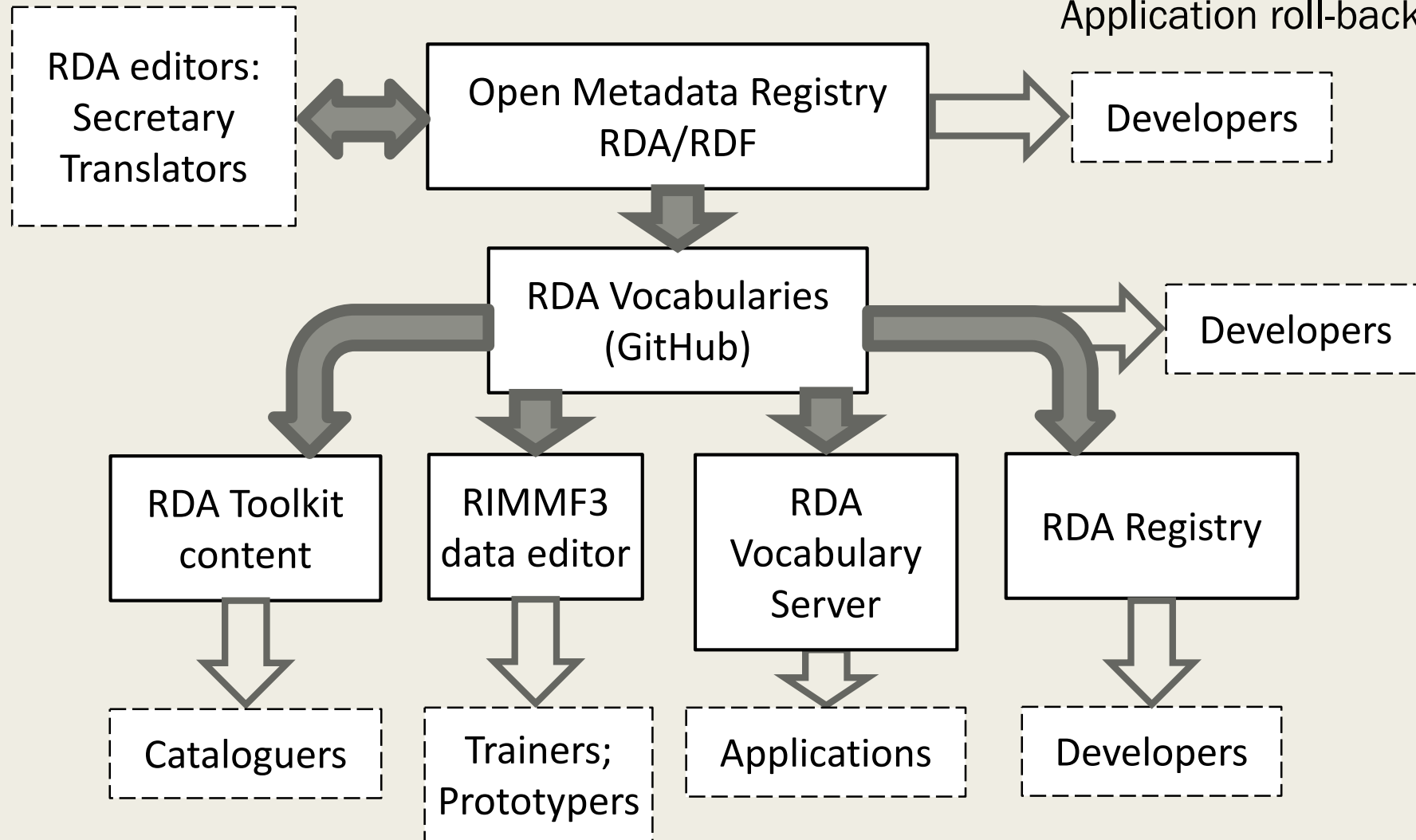
RDA Reference: data maintenance

Entities, element sets, value vocabularies

Atomic audit trail
Deprecation policy

Semantic versioning:
Application roll-back

RDA editors:
Secretary
Translators

Open Metadata Registry
RDA/RDF

Developers

RDA Vocabularies
(GitHub)

Developers

RDA Toolkit
content

RIMMF3
data editor

RDA
Vocabulary
Server

RDA Registry

Cataloguers

Trainers;
Prototypers

Applications

Developers

Implementing Library Reference Model (LRM)

- ■ LRM entity "Res" not likely to be implemented in RDA: adding "RDA Entity" instead as the high-level entity

- ■ New LRM entities being added to RDA :

  – *Nomen*

  – *Agent*

  – *Collective agent*

  – *Place*

  – *Time-span*

Existing RDA entities

- All existing RDA entities -- except Person -- are compatible refinements of LRM

- Person not compatible because LRM excludes non-humans; but:

  – *RDA will include possibility of access to the non-human name present on manifestations as the represented name of creator*

R|D|A

4-fold path

1. Unstructured description (e.g., a transcription, a free text note) [string]

2. Structured description (e.g., an access point, a preferred label from a vocabulary encoding scheme) [string]

3. Identifier (i.e., a human-readable string but not necessarily language-based, e.g., ISBN, ISNI) [string]

4. IRI for the entity for linked data applications [thing]

- Some paths in RDA now for some elements; extend to all elements although some paths may not apply to some elements

Other additional elements for RDA

- Attributes of new LRM entities (agent, collective agent, nomen, place, time-span): e.g., name of agent, identifier for collective agent

- New elements in LRM: e.g., intended audience of expression

- "Missing elements" now implied in RDA: e.g., thematic index number, fingerprint

More additional elements

- ■ Elements for unmediated transcription (WYSIWYG) for machine processing: e.g., manifestation statement

  – *New RDA basic transcription rules for these elements*

- ■ Relationships are elements and vice versa

- ■ Possibility (<u>not</u> yet confirmed by RSC) of elements for access points, authorized access points, and variant access points

- ■ Also <u>not</u> yet decided: whether to label some elements as core or leave that decision to cataloging agencies/communities

RDA

Likely structure of RDA content in the Toolkit

- ■ Order of chapters
  - – *General chapters: e.g., Aggregates, Basis of description, 4-fold path*
  - – *Entity chapters*

- ■ Two views of RDA content
  - – *Entity set view (in Toolkit now called "RDA: Element Set") – with more graphical display*
  - – *Instruction view: not in workflow order but more as a "data dictionary"*

RDA

A "chunk" for each element's instructions

- Some content supplied from OMR:
  - *Definitions, scope statements, value vocabularies*
  - *Perhaps also user tasks and sources of information*
- Consistent wording in "Recording" instructions, etc., to make editing and translating easier and more efficient
  - *And you won't have to wonder if slightly different wording means something different!*
- New numbering system <u>not</u> yet determined

Possible structure of each "chunk"

- Definition and scope statement
- User tasks
- Sources
- 4-fold path (which paths are appropriate)
- Provenance (link to general chapter)
- Recording
- Links to related elements (both more general and more specific)
- Links to topics in general chapters

RDA

Changes for examples

- Each of the 4-fold paths as appropriate

- Showing the relationship

- More context for individual elements

- Improved display but specific style of display <u>not</u> yet decided

- Ability to set preferences
  - *For seeing/not seeing examples*
  - *For types of examples*

Possible example: view as any or all of the appropriate 4-fold paths

Element: language of person

- ■ * As an unstructured description: "The author writes in English"

- ■ * As a structured description: "English"
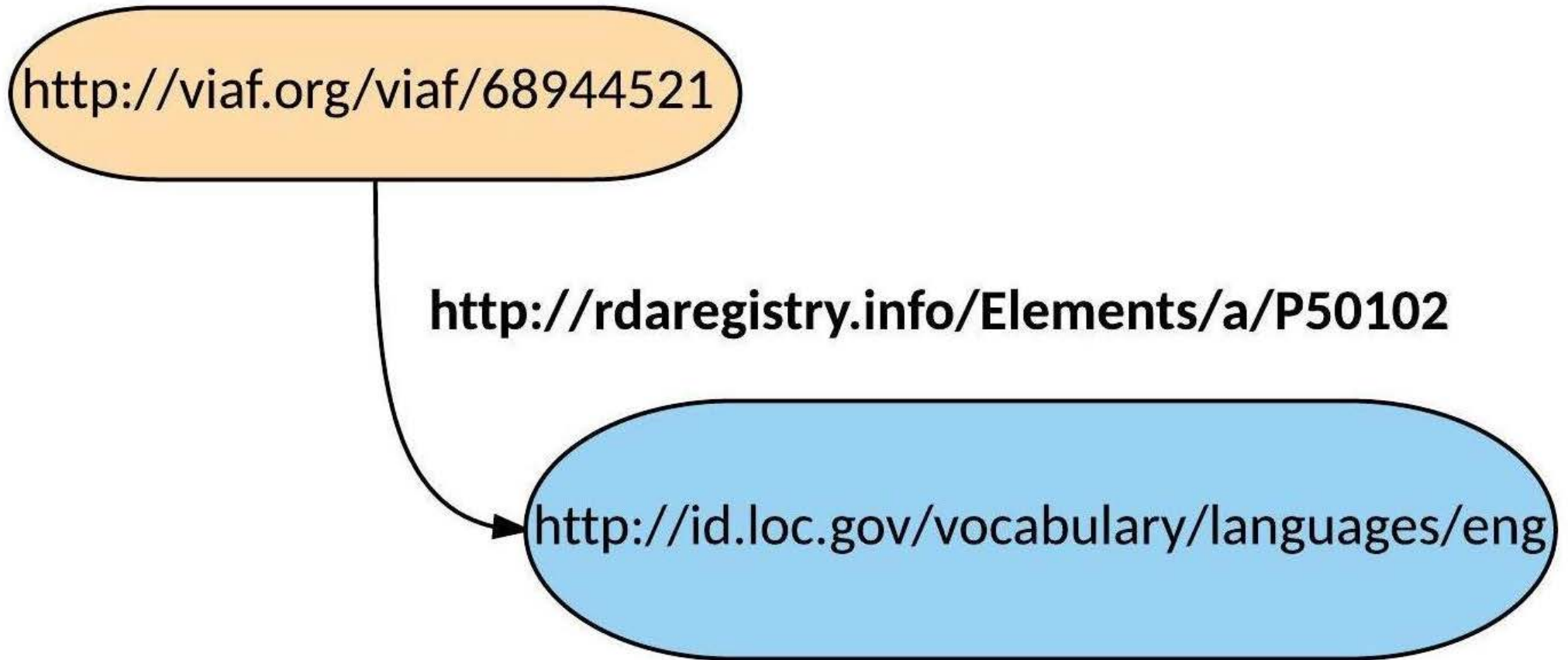
- ■ * As an identifier: "eng"

- ■ ^ As an IRI: http://id.loc.gov/vocabulary/languages/eng

* = string; ^ = thing

Possible example: view as relationship

Possible example: view in context

Person

has identifier VIAF ID 68944521

has preferred name for person Munro, Alice

has date of birth 1931

has language of person English

has country associated with person Canada

is author of Lives of girls and women

is author of Runaway

RDA

For more info ...

- Open Metadata Registry: http://metadataregistry.org/

- RDA Vocabularies (GitHub): https://github.com/RDARegistry/RDA-Vocabularies

- RDA Registry: http://www.rdaregistry.info/#

- RDA Toolkit website: http://www.rdatoolkit.org/

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

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