

From MARC to Linked Data

**A Large-Scale BIBFRAME Implementation in an
Academic Library in Latin America**

Karen Jara Maricic · Universidad de Concepción

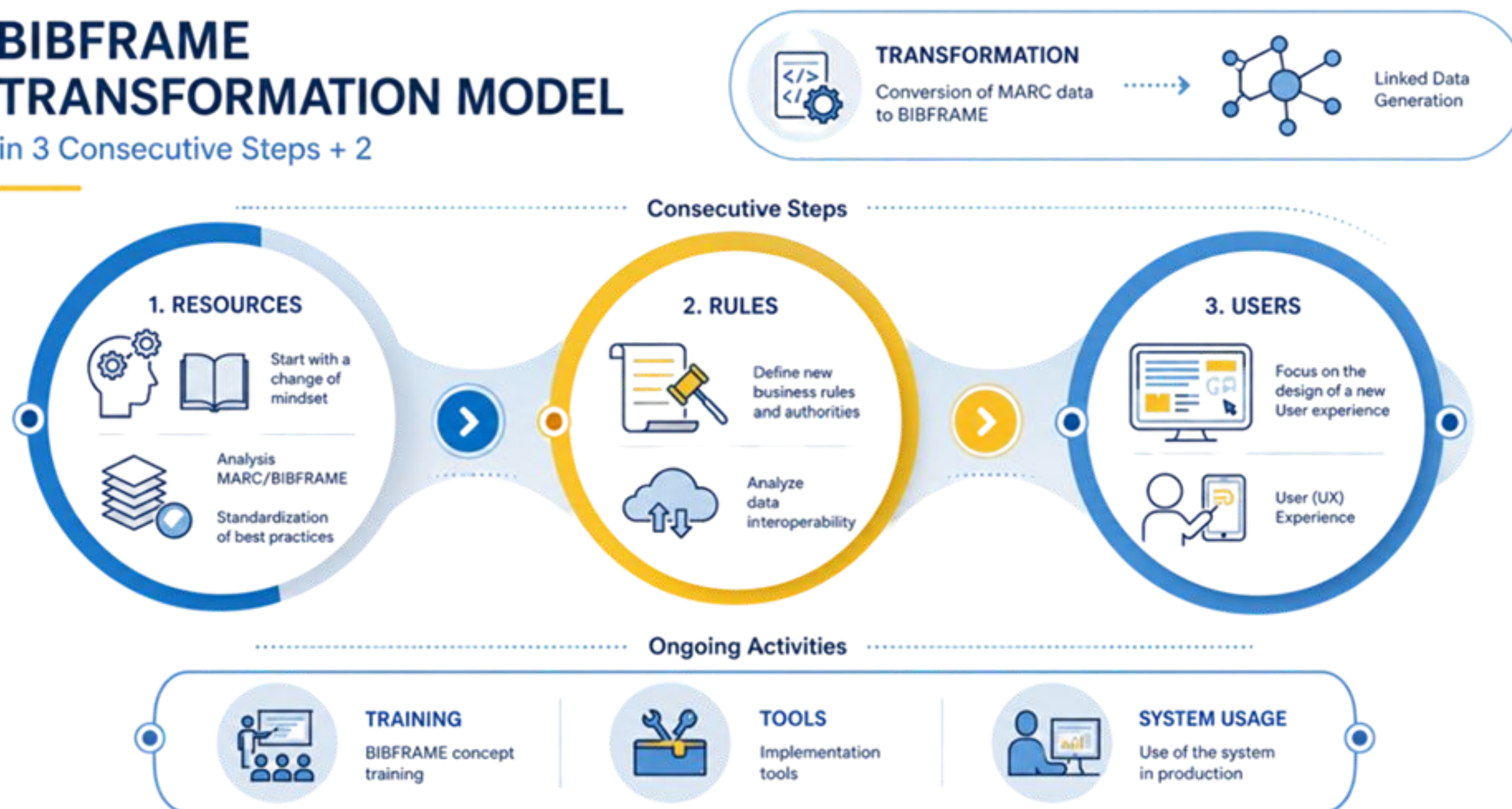
Álvaro López Bustamante · EBSCO

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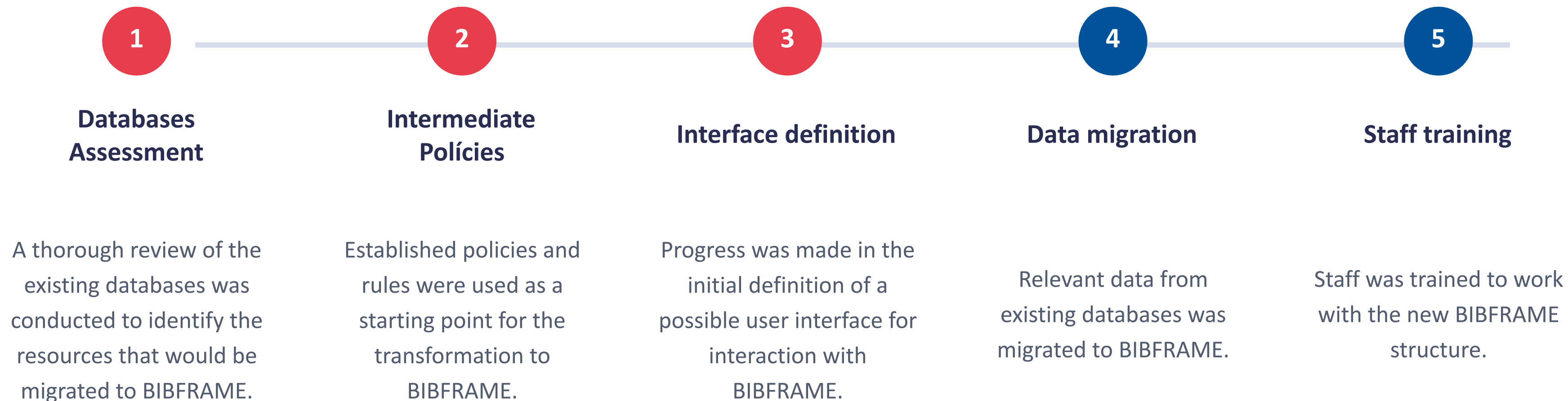
A three-step + 2 path to migrate a library to linked data

BIBFRAME TRANSFORMATION MODEL

in 3 Consecutive Steps + 2



BIBFRAME Migration



These activities have been carried out continuously throughout the transformation process.



Minimal Requirements

1

Focus on User Experience

It is essential that records have standardized descriptors. Expressions that vary in capital letters, commas and so on, impoverish the user experience.

2

Bulk edition tools

Possibility to make massive changes in bibliographic and authority databases.

3

Transitional policies development

If these policies are not in place, the effort for massive change may be in vain, since we tend to fallback to “how things have always been done”

4

Training

A thorough understanding of how Bibframe and Linked Data work and a mindset change are essential.



Resources and actions: Records change



1 Collection Assessment

Comprehensive analysis of the current situation to identify repetition patterns and other relevant aspects.

2 MARC Records Change

A massive transformation of bibliographic and authority records was carried out (approx. 2,000,000), preparing for the transition from MARC records to BIBFRAME.

3 Databases assessment

Evaluation of the status of bibliographic and authority databases, including their structure, content, and quality.



Linked Data Tools used

MarigoLD provides the bridge from MARC to Linked Data /BIBFRAME



A usable editor translates a conceptual model into everyday cataloguing decisions. It also provides a coexistence environment, where MARC can still be used while BIBFRAME features are tested in small collections.

MarigoLD – FOLIO Linked Data Editor

1

Intuitive GUI

MarigoLD offers a user-friendly and easy-to-use interface, making resource cataloging easy within the BIBFRAME model.

2

Data Validation

The editor verifies that the entered information complies with BIBFRAME model requirements, ensuring data integrity.

3

Based on the BIBFRAME Model

MarigoLD is specifically designed to work with the BIBFRAME conceptual model (including HUBs), making it easier to catalog resources.

4

Useful features

The editor has configurable edition profiles, and allows for millions of instances Import and Export, plus seamless Authorities support.



A single workspace connects Work and Instance data

Marigold Agreements Bulk edit Check in Check out Circulation log Apps ? API

Work [Edit work](#)

Creator of Work
Tolkien, J. R. R., John Ronald Reuel, 1892-1973 **Subclass**
Person

Relationship
-

Title Information
Non-sort character count 4 **Preferred Title for Work** The hobbit

Part number - **Part name** -

Other title information
or, There and back again

Hub
Hub **Relationship** -

Illustrative content
[illustrations](#)

Illustrative content
[phonodisc](#)

Government publication

[Cancel](#)

Edit instance

Provision Activity ⓘ + 🗑️

Type Publication

EDTF Date 1938 +

Search place of publication Select

Place Boston +

Name Houghton Mifflin +

Date 1966 +

Copyright Date ⓘ + 🗑️

Mode of Issuance Select ⓘ + 🗑️

Identifiers ⓘ + 🗑️

Type LCCN

LCCN 67029221

Invalid/Canceled? current (current) X

^ Hide

Identifiers ⓘ + 🗑️

Type ISBN

ISBN 0395071224

Structured fields make relationships visible while the record is created.

Configurable profiles adapt the model to local practice

Marigold Agreements Bulk edit Check in

Work components - Books Actions

Creator of Work

Name: Tolkien, J. R. R., John Ronald Reuel, 1892-1973 Change

Subclass: Person

Relationship: Select

Title Information

Type: Work Title

Non-sort character count: 4

Preferred Title for Work: The hobbit

Part number:

Part name:

Other title information: or, There and back again

Hub

Hub: Add

Relationship: Adapted As Motion Picture

Subject of the Work

Search LCSH/LCNAF: Middle Earth (Imaginary place) Change

Subclass: Topic

Manage profile settings

Work: Books

☐ Set as my default Work profile

Create Saved profile settings:

Editing profile settings with name: Alvaro's template

☐ Set as my preferred profile settings for this profile

Reset components

Unused components (2)
Drag or use drag menu to move items to selected components.

- Government publication
- Dissertation

Selected components (19)
Drag or use move buttons to place components in the desired order.

1. Creator of Work
2. Title Information REQUIRED
3. Hub
- Subject of the Work
4. Illustrative content
6. Supplementary content
7. Date of Work



BiblioGraph has been used to manage the library database, already transformed to BIBFRAME/RDF, dealing in particular with Linked Data.

Bibliotecas de la Universidad de Concepción

Search by Resource or Type name

Search Tool

Bibliotecas de la Universidad de Concepción

the stories of eva luna

- The stories of Eva Luna, Isabel Allende ; translated from the Spanish by Margaret Sayers Peden
- The stories of Eva Luna, Isabel Allende ; translated from the Spanish by Margaret Sayers Peden
- The stories of Eva Luna, Isabel Allende ; translated from the Spanish by Margaret Sayers Peden
- Administrative metadata: The stories of Eva Luna, Isabel Allende ; translated from the Spanish by Margaret Sayers Peden
- Administrative metadata: The stories of Eva Luna, Isabel Allende ; translated from the Spanish by Margaret Sayers Peden

tics

ditional

Search

Bibliotecas de la Universidad de Concepción

the stories of eva luna

Sign in

18,532 results in 44ms

- [The stories of Eva Luna, Isabel Allende ; translated from the Spanish by Margaret Sayers Peden](#)
- Eva Luna, Isabel Allende
- Eva Luna, Isabel Allende
- Eva Luna, Isabel Allende
- Eva Luna, Isabel Allende
- THE POCKET BOOK OF STORIES
- Cuentos de Eva Luna, Isabel Allende
- Cuentos de Eva Luna, Isabel Allende
- Cuentos de Eva Luna, Isabel Allende
- Cuentos de Eva Luna, Isabel Allende
- Cuentos de Eva Luna, Isabel Allende
- Cuentos de Eva Luna, Isabel Allende
- The short stories of Ernest Hemingway, The first forty-nine stories and the play

Filter by type

- ☐ Agent
- ☐ Annotation
- ☐ Category
- ☐ Category Set
- ☐ Collection
- ☒ Concept
- ☐ Copyright Event
- ☐ Family
- ☐ Form
- ☐ Identifier
- ☐ Instance
- ☒ Item
- ☐ Jurisdiction
- ☐ List
- ☐ List Item
- ☐ Meeting
- ☐ Organization
- ☒ Person

Search Results

Conclusions

RDA can be expressed in RDF to integrate bibliographic data into the semantic web, making it more accessible, reusable, and linkable to other related data. This allows traditional catalogs to evolve into more connected and enriched environments.

Moreover, the use of Linked Data opens huge possibilities for the use of AI, by providing a solid structure where AI hallucinations can diminish.

Naturally, it's very relevant to decide what kind of implementation is useful for our institution.

Data quality and our general approach defines the outcome of our efforts, and the shape of our future.



Thank you

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BIBFRAME
Workshop
in Europe

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