



# Enriching and aligning Alma bibliographic records with IdRef authority file

The ULiège Library experience

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# Context



- ❑ 1,7 million bibliographic records
- ❑ Heritage collections from the University's foundation (1817)
  - ❑ More than 41,000 items in our rare books and special collections
- ❑ Library catalogue: <https://lib.uliege.be>
  - ❑ Legito sub-catalogue (rare books): <https://lib.uliege.be/legito>
- ❑ Discovery tool: Primo VE (Ex Libris)

# Context

- ❑ ULiège Library ILS: Alma (Ex Libris) since 2015
  - ❑ Alma Community Zone (CZ): a shared environment for all Alma customers
    - 1) Community catalogue (bibliographic records for e-resources)
    - 2) Knowledge base (linking and coverage information for e-resources)
    - 3) Service for maintaining authority vocabularies:
      - ❑ Names and subject headings: LC vocabularies, BnF, MeSH, FAST, BARE, NLI, NUKAT, Canadian authorities, Spanish EMBNE, GND...
      - ❑ Marc records, regular updates

## ULiège Library (until autumn 2021):

- ‘priority 1’ use of French authorities BNF Names and Titles; ‘priority 2’ use of LCNames
- local authorities if not in one of those CZ vocabularies
- subject indexing: RAMEAU, LCSH and MeSH

# Context

## ❑ Local authorities

- ❑ In theory: creation of a local authority record if the heading is not in one of the Alma CZ vocabularies used for cataloguing or if the person or corporate body is in a defined scope (rare books records, Belgian author, ULiège member...)
- ❑ In practice:
  - ❑ authority creation when homonym... for some cataloguers
  - ❑ disambiguation of the heading in the bibliographic record... for other cataloguers

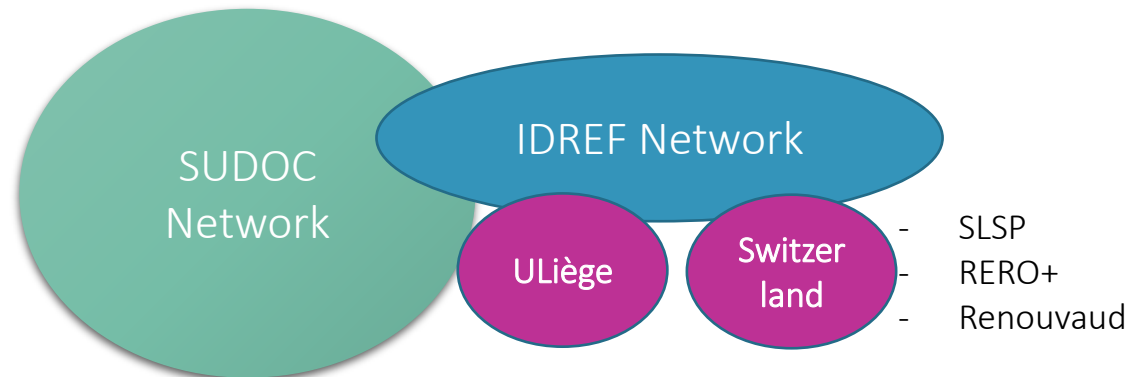
Some frustration: local authority records stay « local » and under-utilized

- ❑ BNF Names and Titles authorities & RAMEAU in Alma CZ (situation in 2020)
  - ❑ Mapping errors (Unimarc > Marc21) corrected only for new/revised records
  - ❑ Unimarc format changes not applied
  - ❑ Monthly releases

# Changing... Why?

- ❑ IdRef from Abes (France) integrated in Marc21 format in Alma CZ (August 2020)
  - ❑ Impulse of the new Swiss network SLSP (also on Alma)
  - ❑ Good quality records; one unique file in Alma for Names, Titles, Subjects (RAMEAU + FMeSH), Geographical names
  - ❑ Updates every 6 hours (OAI-PMH)
  - ❑ Scope « Higher education », French language... -> more similar to our collections

ABES gave us the opportunity to become an « IdRef producer »



# Changing... Why?

- ❑ We can produce (and enhance existing) data in an (inter)national reference file
  - ❑ Not « local » anymore
  - ❑ Increased visibility of our authority data, but also of the whole catalogue (SRU search from Idref web interface)
  - ❑ Clear focus on Belgian authors (mostly from Liège area), ULiège researchers, agents related to items of our heritage print and digital collections
  - ❑ Importance of authority records among cataloguers has increased... preparing a next step for understanding of *entities*

Notice de type : Personne

Point d'accès autorisé

Wittert, Adrien (1823-1903)

Information

*(par souci de protection des données à caractère personnel, le jour et le mois de naissance peuvent ne pas être affichés)*

Langue d'expression : Français

Pays : Belgique

Date de naissance : 11 / 08 / 1823

Date de mort : 14 / 04 / 1903

Genre : Masculin

Notes

Note sur la biographie et les activités :

Collectionneur d'art et bibliophile. Sa collection de 25 000 dessins et estampes, plus de 100 de matrices en cuivre, une cinquantaine de tableaux, certains remontant aux XVe et XVIe siècles, et près de 150 objets d'art et de curiosité a été léguée à l'université de Liège à sa mort. Les manuscrits et incunables relèvent des fonds patrimoniaux de l'université de la bibliothèque de l'université de Liège.



Notices bibliographiques liées dans le Sudoc



Notices bibliographiques liées dans le catalogue de ULiège Library



Notices bibliographiques liées dans swisscovery (catalogue SLSP)

(BnF

Notices bibliographiques liées dans le catalogue BnF

# Changing... Why?

- ❑ Links between bibliographic headings and authorities are text-based
  - ❑ Many "wrong" links
    - ❑ due to systems changes
    - ❑ due to a lack of control
    - ❑ due to automatic linking jobs
    - ❑ no link when duplicates

Final aim: Change of paradigm (autumn 2022)

- **Changing the linking process from text to ID**
  - A more reliable process for authority linking

# IdRef project: multiple work areas

- 1) Linking to Alma CZ IdRef vocabulary for names and titles access points and RAMEAU subject indexing
  - ❑ Changing 'bibliographic' cataloguing working practices
  
- 2) Enter the IdRef production environment for records creation and modification processes
  - ❑ Authority cataloguers: on a voluntary basis
  - ❑ Unimarc cataloguing, new rules to learn (with some encoding characteristics)



# IdRef project: multiple work areas

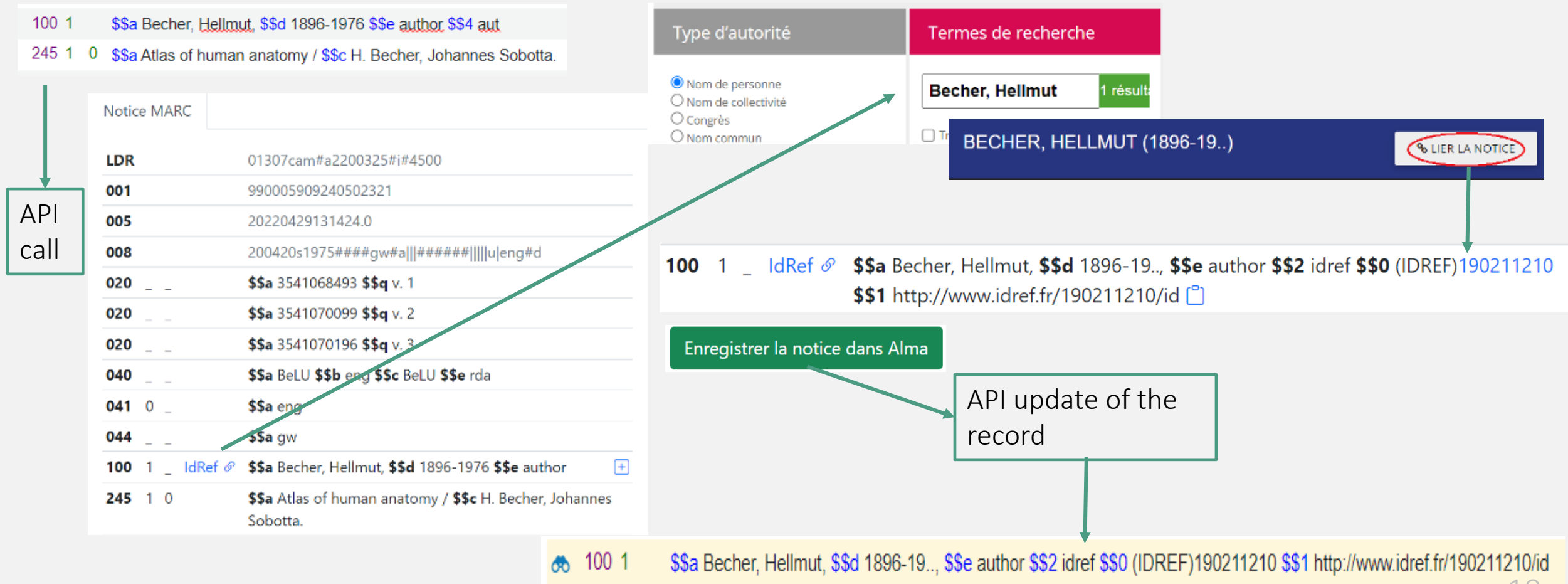
- 3) Developing a tool to provide interoperability between Alma and IdRef
- ❑ Interface between Alma Metadata Editor and IdRef creation form
  - ❑ Easy linking with IdRef authority record
    - ❑ We retrieve from IdRef the exact form for access points in Marc21 format, the IdRef ID and URI
  - ❑ Improved workflow for creation and enhancement of authority records in the IdRef web professional interface
    - ❑ Basic metadata for creation come directly from the Alma bibliographic record
  - ❑ Newly created records in IdRef must be usable immediately

Objective: Limiting the impact on cataloguing time

# Alma / IdRef plugin



□ A bookmarklet developed to interface Alma ILS with the IdRef website (based on JavaScript and Perl scripts)




# IdRef App for creation, enhancement and deduplication requests

245 1 0 \$\$a Mémorial de l'Exposition universelle et internationale de Liège en 1905 / \$\$c édité par Charles Piron.

700 1 \$\$a Piron, Charles \$\$e éditeur intellectuel \$\$4 edt

Alma Bib record: 700 field heading not linked to any authority record

700 1 \_ IdRef  \$\$a Piron, Charles \$\$e éditeur intellectuel \$\$4 edt



IdRef search:  
no results

0 RÉSULTAT

Nom de personne=Piron, Charles

Request

Nouvelle demande


Demandes non assignées (10)


Assignées à moi (0)

Clôturées (0)

Rechercher des demandes

Demande de :

 Création

 Modification

 Dédoublonnage

# 248


700 1 \_ \$\$a Piron, Charles \$\$e éditeur intellectuel \$\$4 edt

001 990001516800502321 

245 1 0 \$\$a Mémorial de l'Exposition universelle et internationale de Liège en 1905 /  
\$\$c édité par Charles Piron.

264 \_ 1 \$\$a [Lieu de publication non identifié] : \$\$b [éditeur non identifié], \$\$c 1905.



 29/06/2022

 15:12



Non assigné

Me l'assigner

Assigner à ...

Détail

Localisation

 Note

# Adding IdRef identifiers and RWO URIs

- In 1XX and 7XX headings Marc21 fields
- In 6XX RAMEAU subject headings Marc21 fields

## □ Current cataloguing

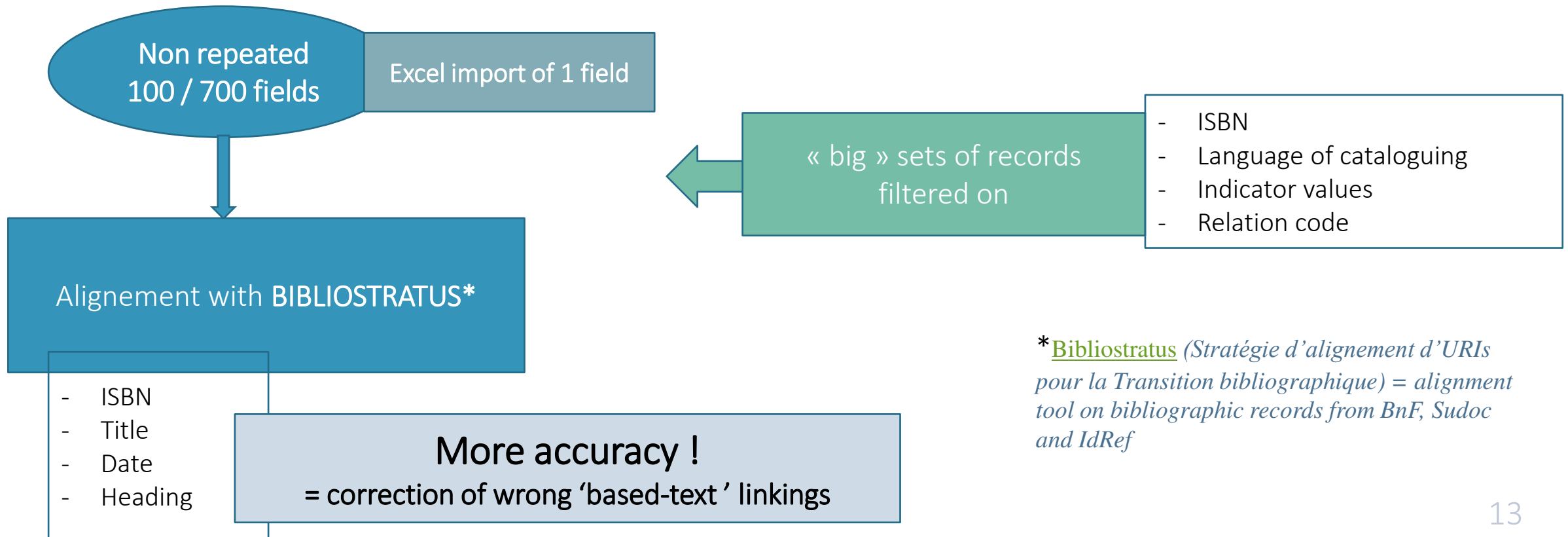
- New original records: « Alma/IdRef plugin » workflow
- Deriving most records from SUDOC catalogue
  - ⇒ Format export changes in Jan. 2022: IDs and RWO URIs added to exported records (subfields 0 and 1)

# Adding IdRef identifiers and RWO URIs

## Existing records (phase 1)

### Batch jobs for data curation and enrichment

*The choice of treatment depends on Alma possibilities of re-import*

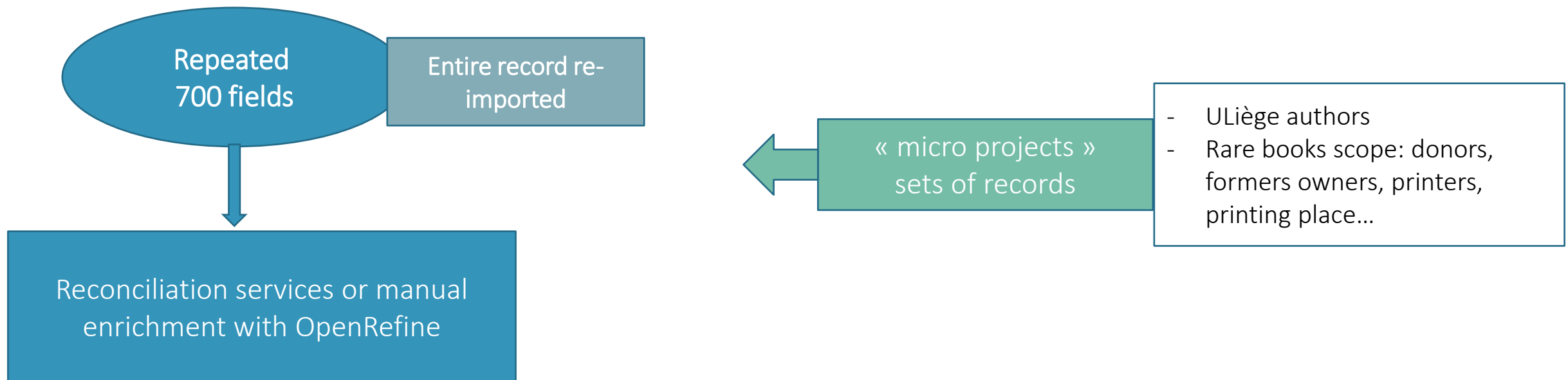


# Adding IdRef identifiers and RWO URIs

## Existing records (phase 2)

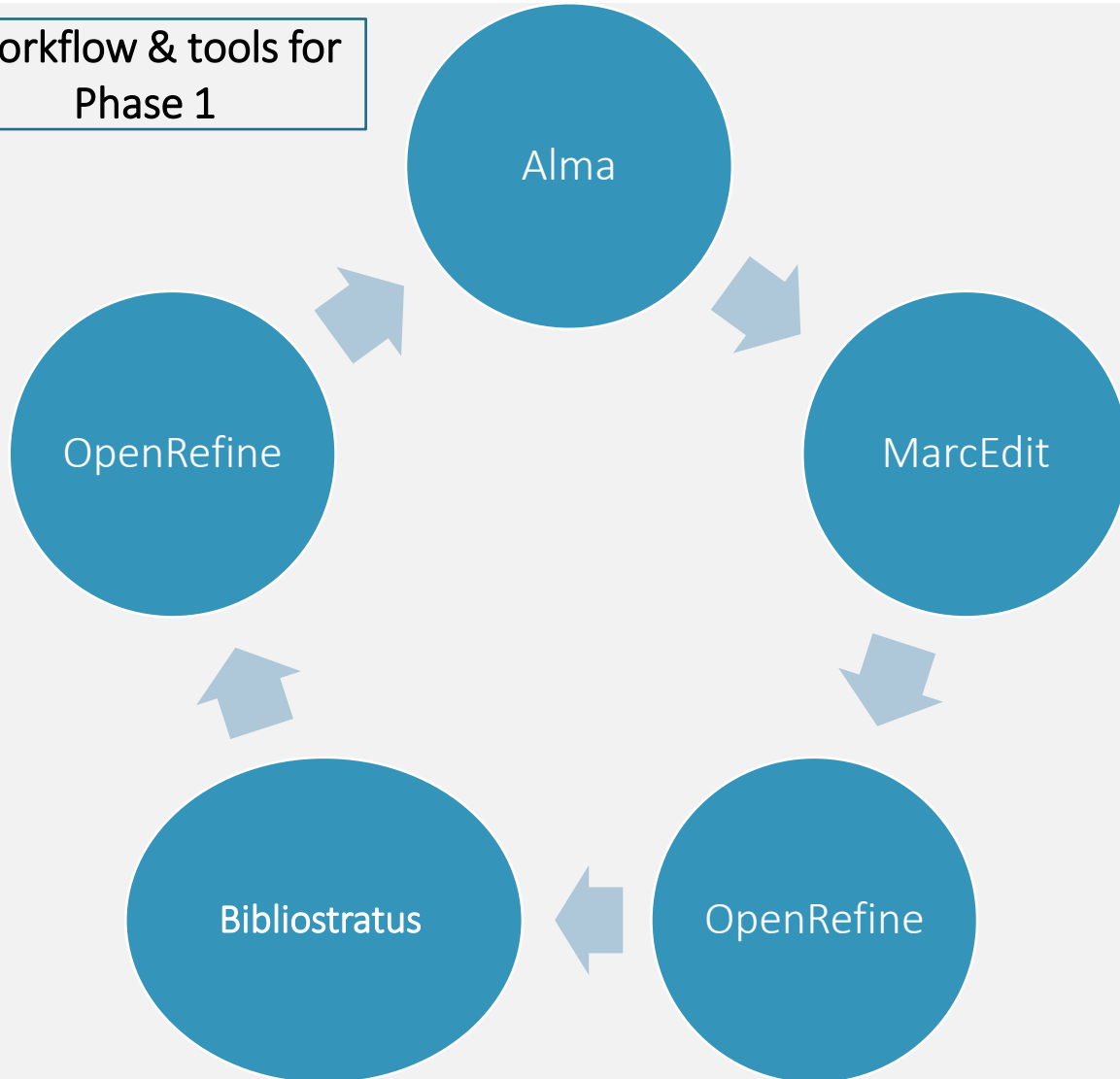
### Batch jobs for data curation and enrichment

*The choice of treatment depends on Alma possibilities of re-import*

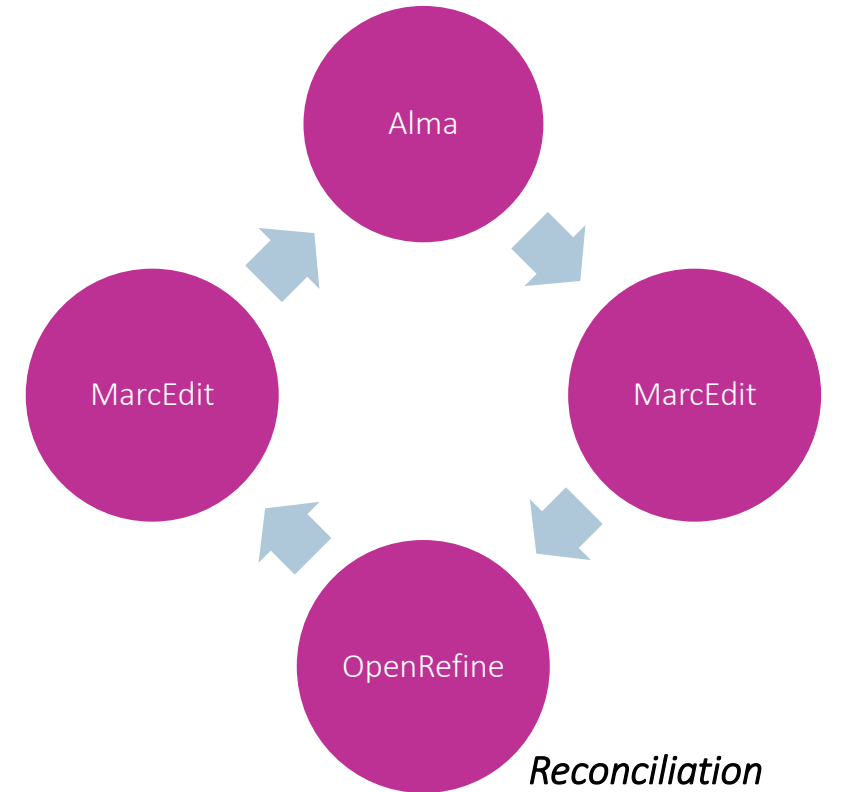


# Adding IdRef identifiers and RWO URIs

Workflow & tools for Phase 1



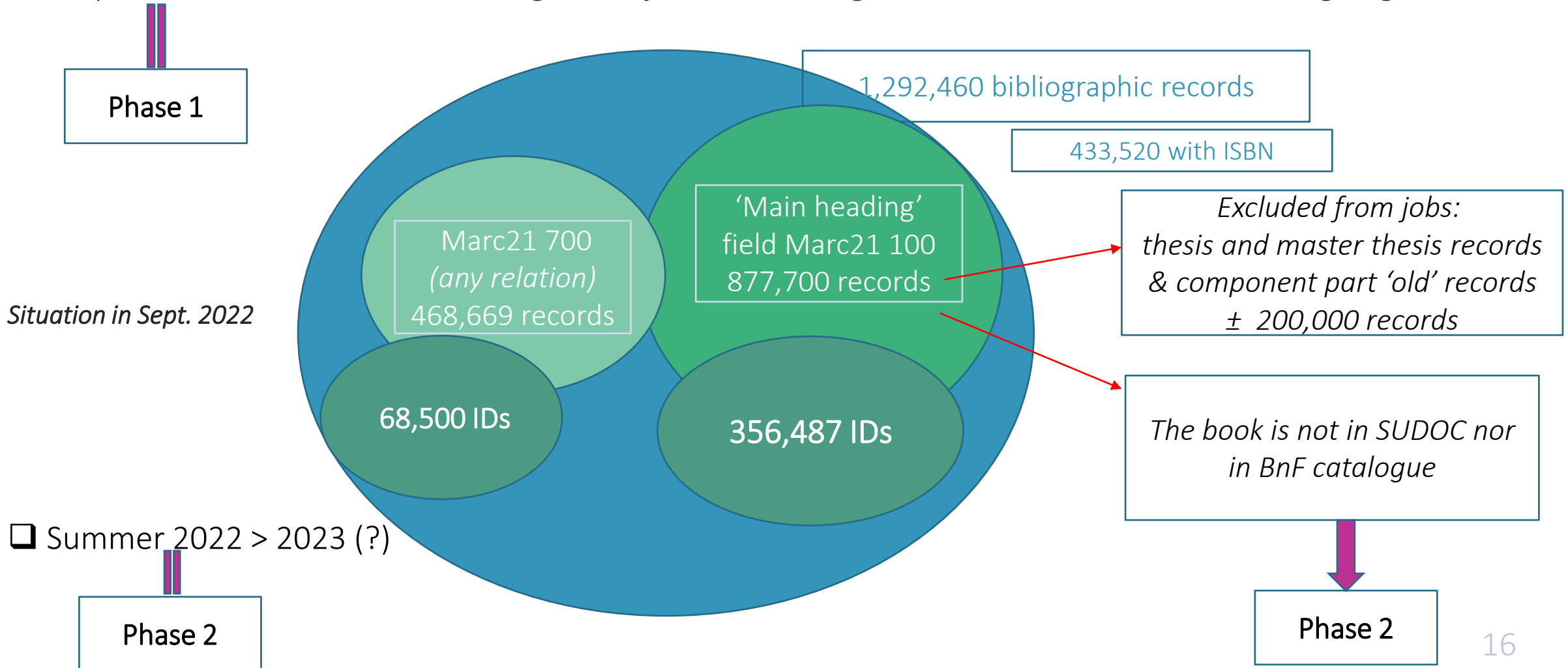
Workflow & tools for Phase 2



*Reconciliation  
service suggestions:  
validation if > 85%*

# Work in progress

- July 2021 > summer 2022: First alignment jobs and adding of IDs and URIs in current cataloguing





# Work in progress

- 2023 > ... No results from jobs Bibliostratus (Phase 1) and OpenRefine (Phase 2)

Phase 3

Control/Creation in IdRef by Abes ?  
Batch update of bibliographic records ?

OR

Control, manual creation of authority records, and  
bibliographic record update by cataloguers ?

Sets of bibliographic  
records

Workflow : yet to define

# Alignment of local authority records

- ❑ 20,000 local authority records
  - ❑ Spring 2022 > Autumn 2022: manual controls on records that contain a 'sudoc', 'bnf' or 'viaf' ID
    - ❑ Enhance the IdRef record
    - ❑ Delete the local record
    - ❑ Link the bib heading with Alma CZ record (with Alma/IdRef Plugin)
  - ❑ 2023: export of remaining local records
    - ❑ Final control
    - ❑ Creation by Abes in the IdRef database
    - ❑ Link the bib heading with Alma CZ record (with Alma/IdRef Plugin)

# Conclusions

- ❑ Alma/IdRef plugin and app
  - ❑ Positive reactions from our cataloguers
  - ❑ Interest from other institutions (Swiss libraries working with Alma)
- ❑ Constructive dialogues
  - ❑ With Abes IdRef team: Support for technical reflection; full presence and support during staff trainings
  - ❑ With colleagues from SLSP and BCU Lausanne
- ❑ Increase of catalogue quality
  - ❑ "IdRef" external link clickable for end-users
  - ❑ Preparing for further linked data integrations in the discovery tool (e.g. author card...)