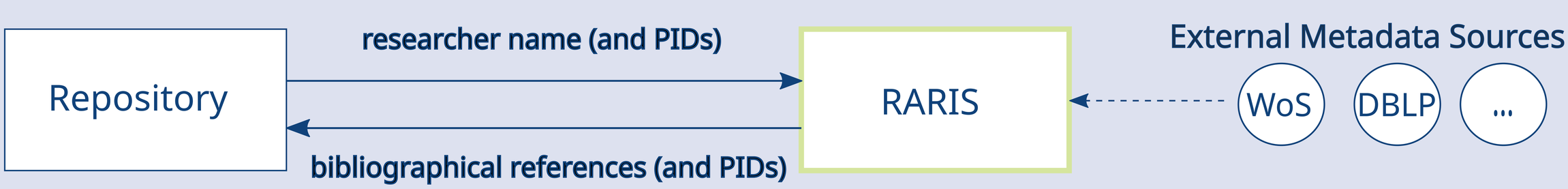
Recommendation and integration of bibliographical references and personal identifiers during import procedures - collaboratively with researchers

Motivation

- Not even half of our researchers have entered their PIDs like e.g. ORCiD in our repository
- The search for bibliographical references is currently only possible via identifiers or upload

How can we engage researchers in entering more data into our repository?

Reference **A**nalysis **R**ecommondation **I**nformation **S**ystem



- RARIS retrieves metadata & PIDs and provides recommendations for researchers
- Researchers decide whether to include references and PIDs in repository
- Prototype is written in Java with Spring Framework

RARIS in a nutshell

Search & Fetch

Request to external sources by researcher name

Return of bibliographic metadata for researcher

Processing

Normalization of metadata and merge of duplicate entries

Check for PIDs in each metadata entry

Suggestion

Verification of entries via PIDs

Ranking according to PIDs

Future Work

- More PIDs besides ORCiD/GND should be considered in the verification process
- We want to request more external metadata sources for additional publication entries
- Name variants, affiliations and temporal-constraint characteristics should be considered
- Extensive evaluations need to be performed
- We want to publish the source code under an open-source license on GitHub

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