**DIGITAL PLATFORMS FOR THE DISSEMINATION OF RESEARCH**

Here we present the process to pre-populate a new repository in the context of MyScienceWork's POLARIS platforms.

To centralize and structure metadata, this aggregation service uses:
- an internal database,
- uploads from users and institutions,
- several external services

The confidence rate assignment process covers both metadata from different sources and author-publication matching.

**AGGREGATING MULTIPLE SOURCES TO PRE-POPULATE NEW REPOSITORIES**

**PREPOPULATION OF REPOSITORIES**

Challenges:
- Matching between publications/authors/institutions
- Date: only publications produced while at the institutions
- etc.

**AGGREGATION SERVICE**

Data from different sources are given a confidence rate. Data go through validation processes or over-write others, depending on the confidence rate that was assigned to them.

High-confidence sources of data

There is a long list of services that one can check:
- the identify of the authors/institutions
- the metadata
- the copyright

**WHY?**

The process of aggregating structured data from several external, open services to prefill repositories demonstrates how to use existing databases, instead of asking librarians and researchers to deposit all their articles.

**FOR WHOM?**

POLARIS by MyScienceWork is a tailor-made solution for institutions. It offers turnkey platforms for enhanced dissemination and communication of research.

**The MyScienceWork.com Internal Database**

A GLOBAL SCIENTIFIC PLATFORM gathering 30+ million research publications from:
- open access sources
- MSW’s own repositories: POLARIS
- Publishers (both OA and not)
- User uploads
- Full-text mining
- DOI management service
- Journal services

**ADD-ON TO EXISTING REPOSITORIES**

This aggregation service can be added on to prefill any existing institutional repository.

**BIG DATA**

We aggregate data from our large community of MSW and POLARIS users.