The UKB Data Hub: a data warehouse to support open access management
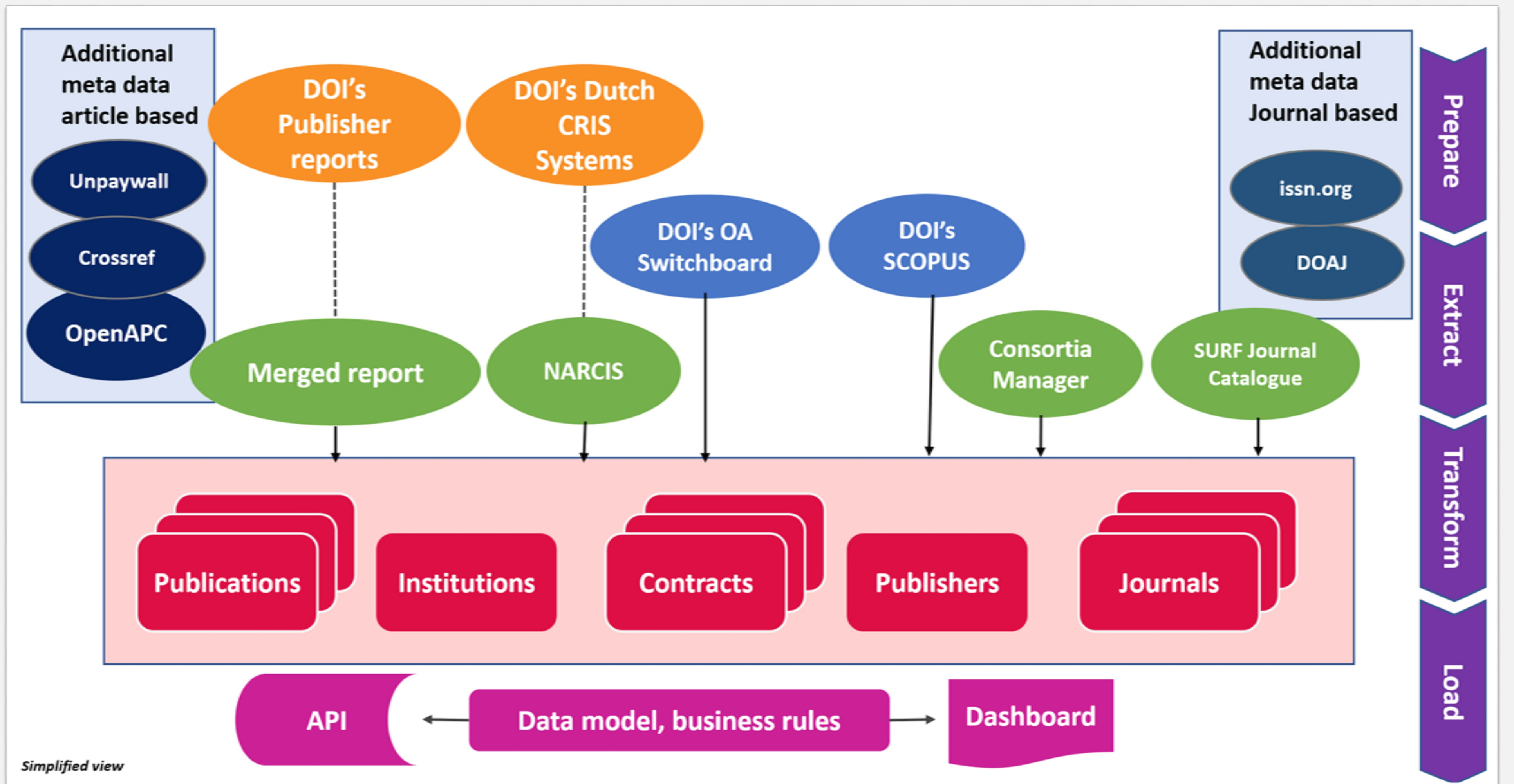
Added Value UKB Data Hub

PREVIOUS SITUATION
- Limited overview
  - Experts working in isolation
  - Decentral
- Limited insight
  - Ad-hoc reports
  - Single sources
- Limited control
  - Data quality 'as is'
  - Status cap 'as is'

CURRENT SITUATION
- Better overview
  - Experts collaborating
  - Central
- Better insight
  - Continues data and reports
  - Combining sources
- Better control
  - Managing Data quality
  - Cap management

IMPORTANCE OF (META)DATA

- Forecasting: publication trends, cap management
- Indication quality of current OA service
- APC in the wild, money in the system
- Portfolio dynamics
- Benchmarking
- Audit publisher data: reports, negotiation data:
- Insight OA dynamics: Gold versus Hybrid versus Diamond versus Green

Simplified view

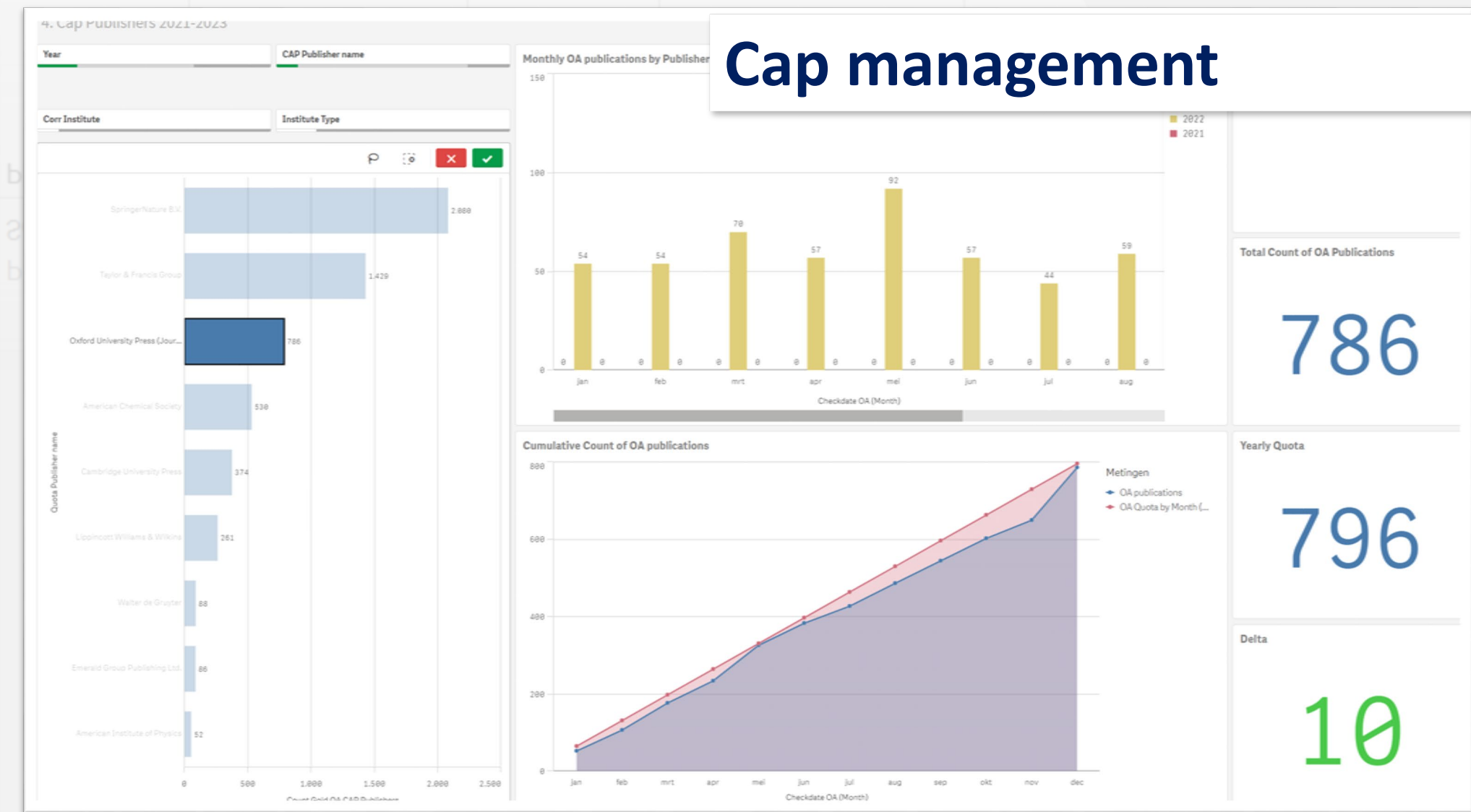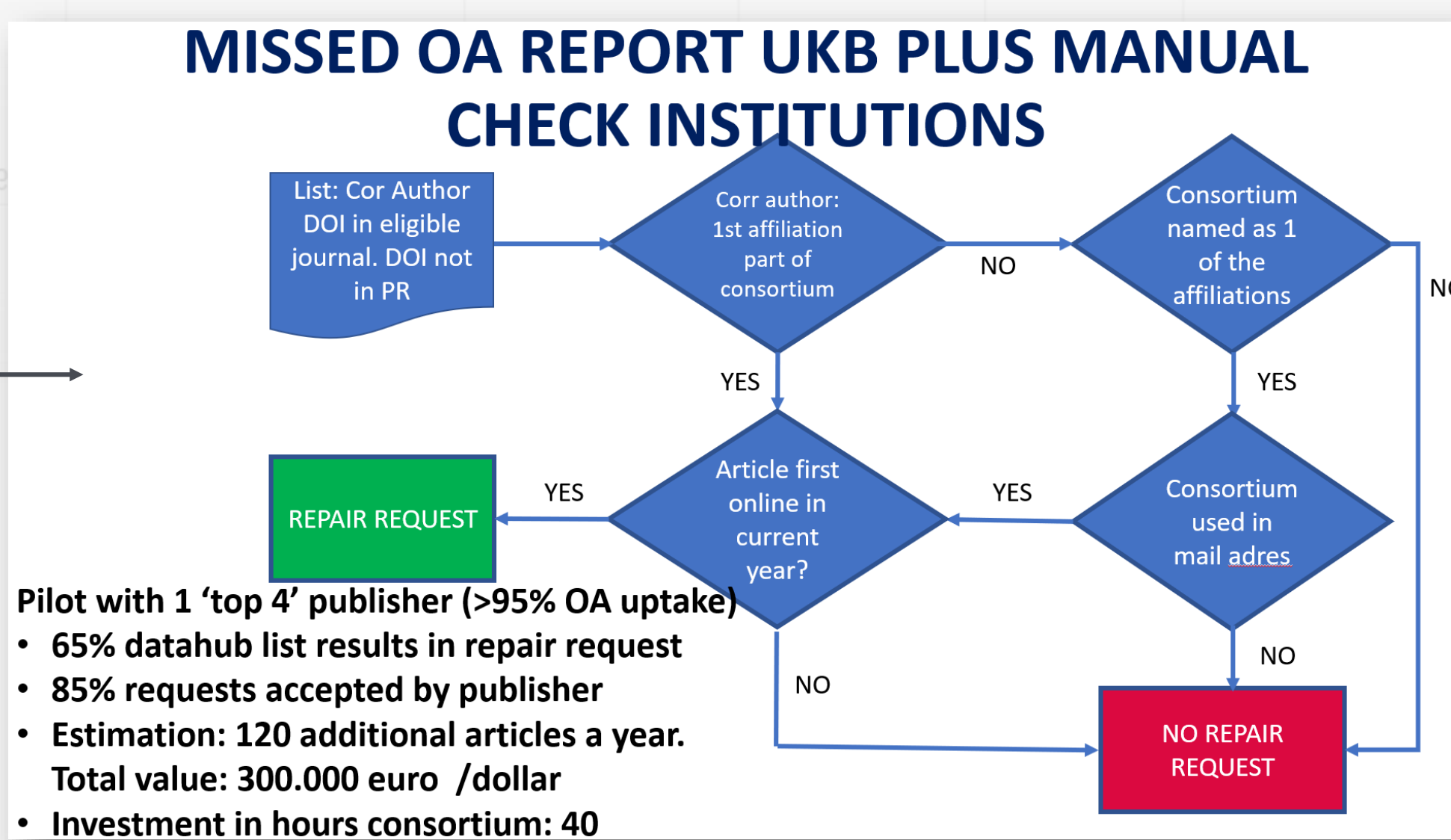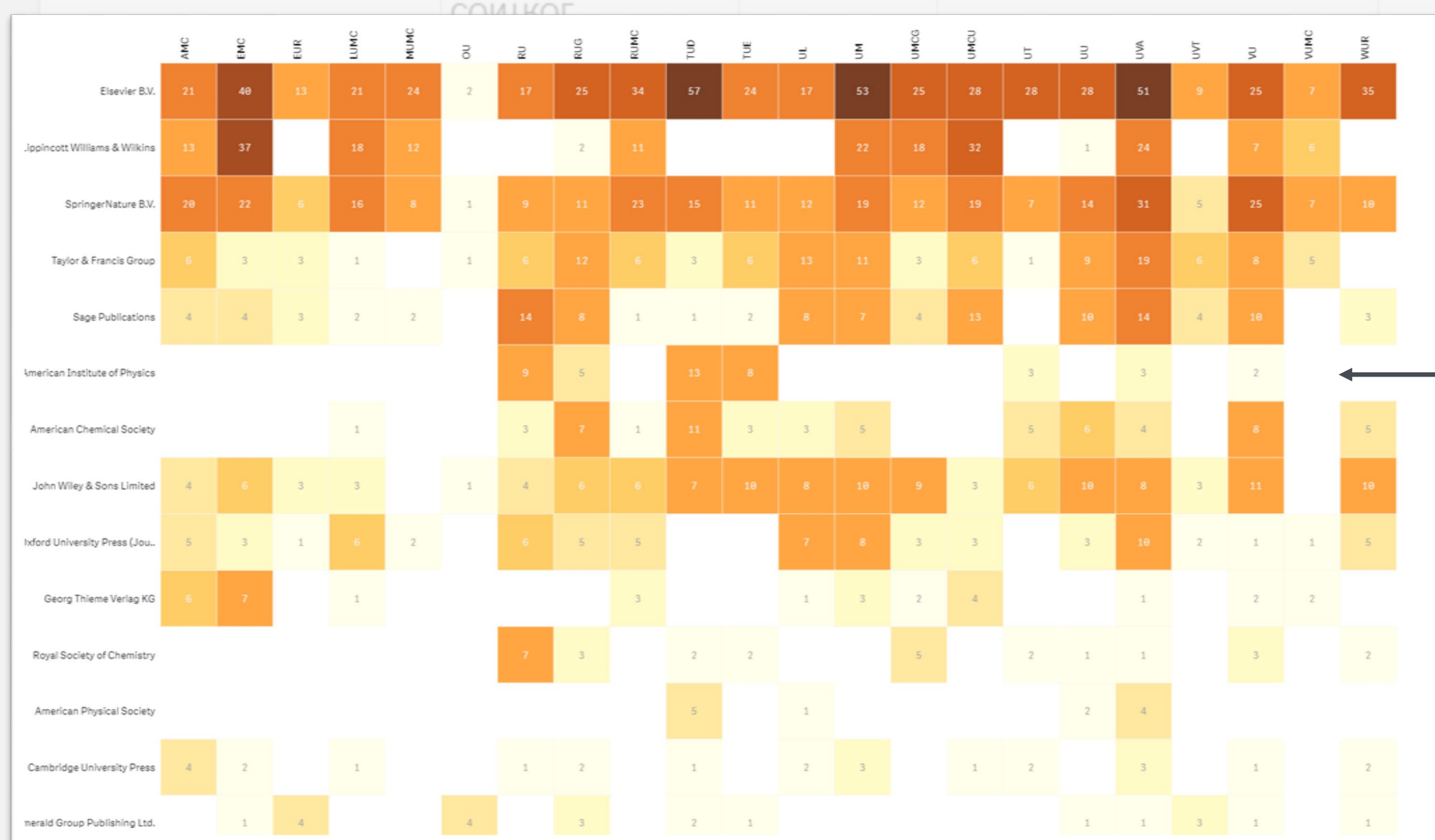Prepare · Extract · Transform · Load

Additional meta data article based: Unpaywall, Crossref, OpenAPC

DOI's Publisher reports · DOI's Dutch CRIS Systems · DOI's OA Switchboard · DOI's SCOPUS

Additional meta data Journal based: issn.org, DOAJ

Merged report · NARCIS · Consortia Manager · SURF Journal Catalogue

Publications · Institutions · Contracts · Publishers · Journals

API ↔ Data model, business rules ↔ Dashboard

3. Publication Details

Total Publications	Total Open Access	Gold Open Access	Green Open Access	Closed Access	Bronze Open Access	% Open Access	% Closed Access
316.603	238.739	189.713	49.026	75.105	1.565	75,4%	24,2%

www.doi.org

Main dashboard of the UKB data hub: scores, filters & output

PR	Scopus	Narcis	Publish Rights 'Y'	Publishers	Corresponding articles	Institutes	Unique ISSN-L
69.128	283.255	255.130	166.716	704	170.281	211	18.674

MISSED OA REPORT UKB PLUS MANUAL CHECK INSTITUTIONS

- Pilot with 1 'top 4' publisher (>95% OA uptake)
- 65% datahub list results in repair request
- 85% requests accepted by publisher
- Estimation: 120 additional articles a year. Total value: 300.000 euro /dollar
- Investment in hours consortium: 40

Cap management

786 · 796 · 10
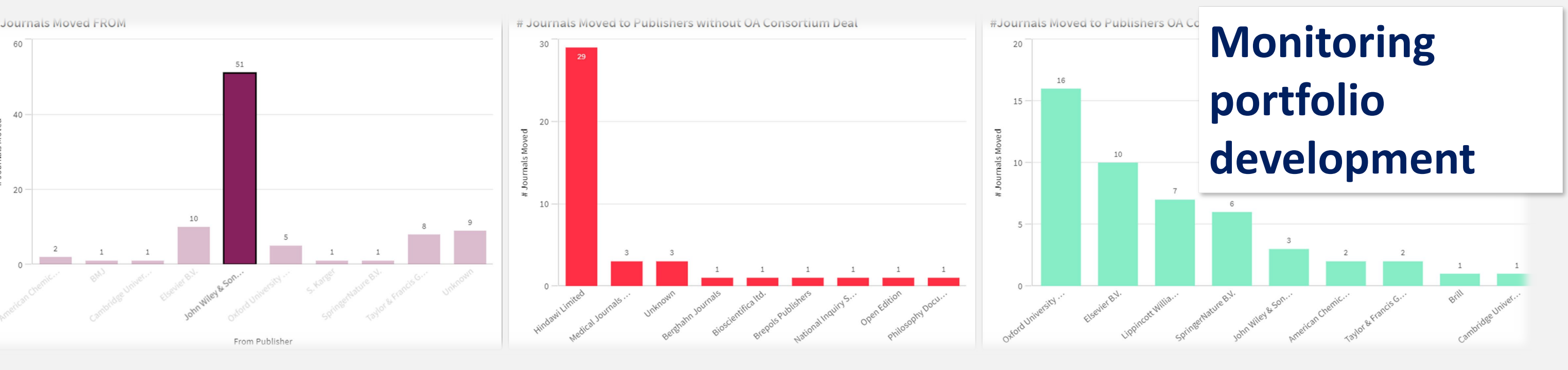
Open Access Life Cycle monitoring: comparing original and current DOI UPW OA status. Example: issue after journal transfer

Earliest UPW Date 12/05/2021
Latest UPW Date 01/05/2023

Monitoring portfolio development

Automated DOI check to prevent paying twice

DOIs in Multiple Years

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