Book Analytics Dashboard Demonstration (BAD) Project (2022-2025)

OA Book Usage Analytics for Diverse Communities - A Demonstration Project: 2022-2025









Project overview



Project partners and people

Partner Organisations

- Curtin University
- COARD
- OAPEN
- Educopia

Technical Team

- Rebecca Handcock
- Kathryn Napier
- Keegan Smith







Principal Investigators:

- Lucy Montgomery
- Cameron Neylon
- Katherine Skinner
- Ronald Snijder
- Niels Stern

Project Management and Support:

- Laura J. Wilkinson
- Kathryn Barker
- Isabelle Perger

Curtin University



Description of Proposed Work

Formal Project Title: OA Book Usage Analytics for Diverse Communities – A

Demonstration Project

Short Title: Book Analytics Dashboard Project

Duration: April 2022 – April 2025

Funders: Mellon Foundation, COARD

The Book Analytics Dashboard Project (2022-2025) is focused on creating a sustainable OA Book focused analytics service.

Our goal in creating this service is to help safeguard and support diversity in the voices, perspectives, geographies, topics and languages made visible through OA Books.









Background and Context

The Book Analytics Dashboard project is building on an earlier Mellon-funded initiative: Developing a Pilot Data Trust for OA eBook Usage (2020 – 2022).

2020-22 Usage Data Trust Pilot
Project

OAeBU Data Trust

OAeBU Data Trust

The Book Analytics Dashboard project is:

- Scaling dashboard infrastructure and workflows
- Developing a service model, including customer support
- Identifying and implementing a long-term plan for housing, maintenance and funding
- Providing an analytics service as a sustainable community infrastructure for OA book stakeholders



2020-2022 (OAeBU) PROJECT GOALS

- 2-year Mellon Foundation funded project
- Develop & pilot data trust infrastructure
 - 6 dashboard partners
 - Platform/data partners
 - Implement and extend relevant open-source technologies
- Develop personas and use cases
- Document the OA eBook supply chain
- Define sustainability, governance, and policy models



2020-2022 (OAeBU) Technical work

- Open Access Book usage (from JSTOR, OAPEN IRUS-UK, Google Books, ANU Press Repository, Google Analytics, UCL Discovery Repository)
- 2. 6 dashboard partners across a range of sectors and sizes (5 Presses and 1 Repository/Platform)
- 3. Benchmarking of usage data across Pilot partners
- 4. Open Source re-hostable codebase state of the art workflow, data-warehouse and dashboard systems deploying Airflow, Google Cloud Platform, ElasticSearch and Kibana

2022-2025 BAD Project work



BAD Work packages April 2022 - March 2025

- WP1: Technical Roadmap Consultation: Developing a Process and Model
- WP2: Workflow Standardization
- WP3: Partner Onboarding Phase 1
- WP4: Community Cultivation
- WP5: Sustainability Model and Community Consultation
- WP6: Onboarding of Phase 2 Partners
- WP7: Sustainability Development Plan
- WP8 Regional Strategy Development
- **WP9:** Implementing Processes for Ongoing Technical Operations
- WP10: Organizational Form Development and Implementation

Activities and rationale - Full document: https://doi.org/10.5281/zenodo.6618791



Useful links

Code and documentation

- Book Usage Workflows Read the Docs
- Book Usage Workflows GitHub Repository
- University of Michigan Press website with book usage dashboards
- Directly to the University of Michigan Press's public book usage dashboards <u>here</u>

2023 - 2025 Project page

- 2023 2025 project page
- BAD <u>Zenodo Community</u> and <u>Info Landing Page</u>

2020-2022 Project

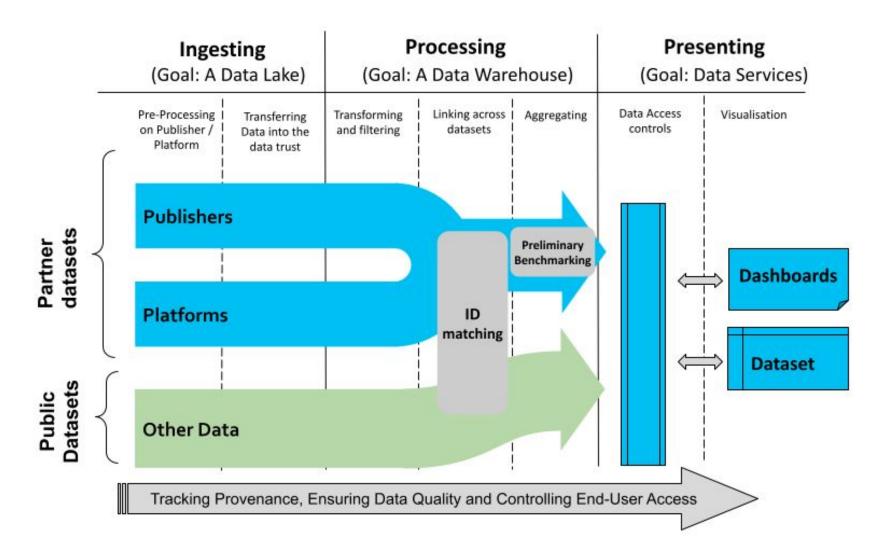
- 2020 2022 project page
- OAeBU Zenodo repository community
- The <u>OAeBU project page</u> on the Educopia Institute website



BAD Technical System Outline

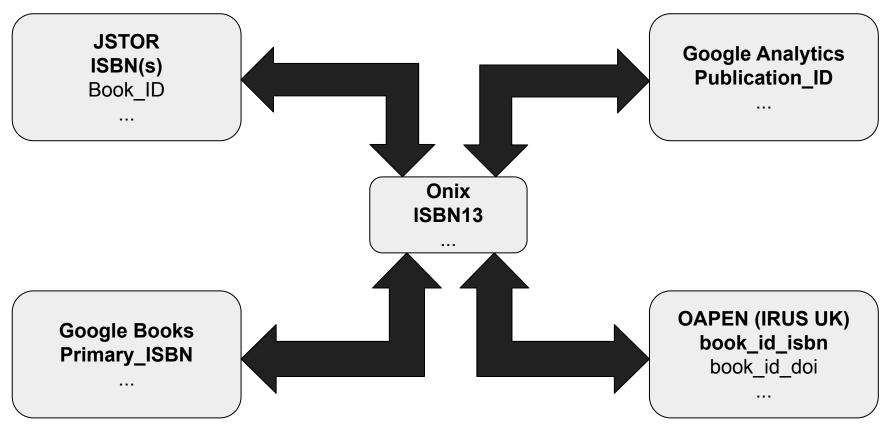


What we have built





ISBN-13 and ONIX as the coordinating ground truth

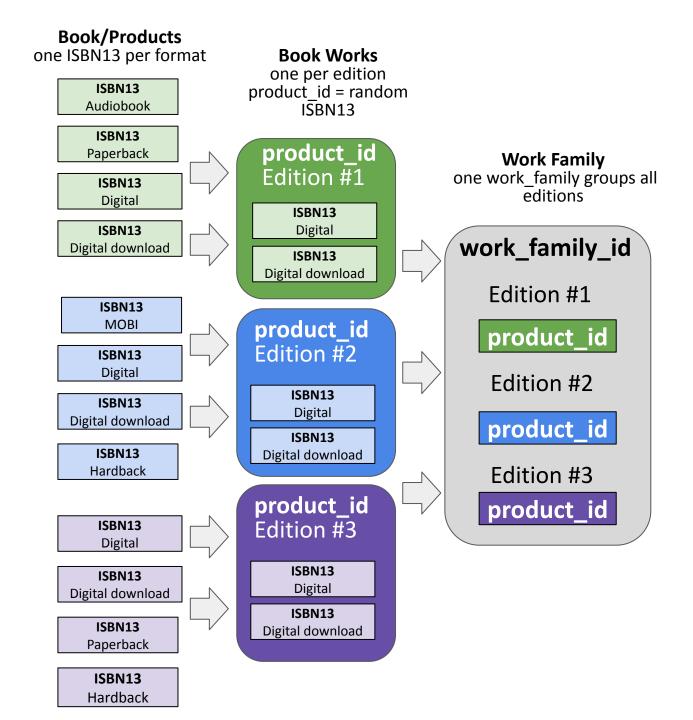




Book ID relationships

ONIX 3.0 standard requires <u>ISBN13</u> to be transmitted in the record

The publisher can optionally disclose relationships via the "RelatedWorks" field





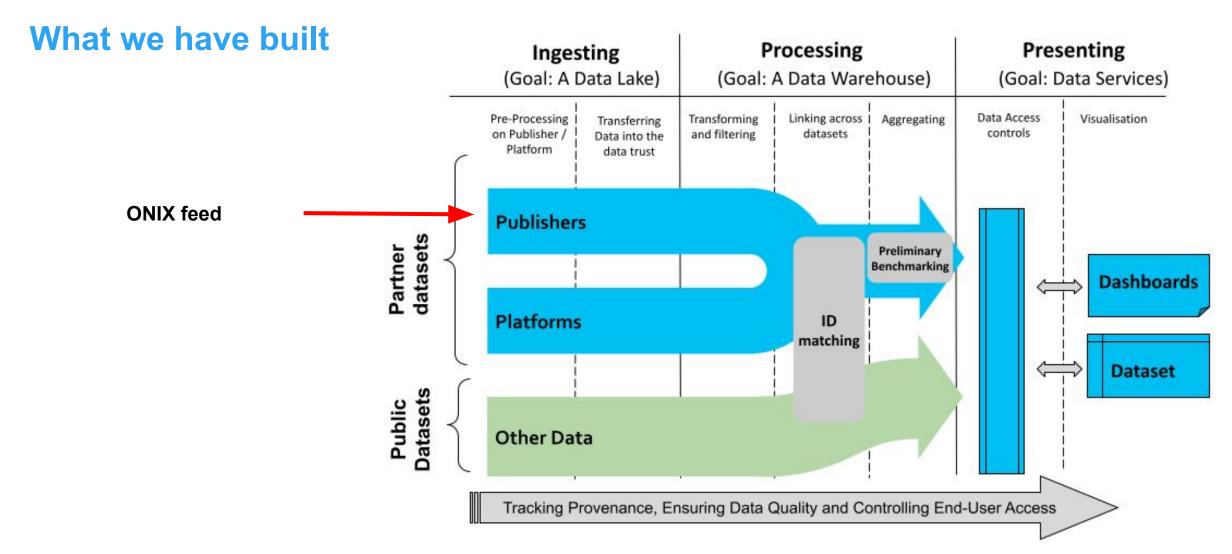




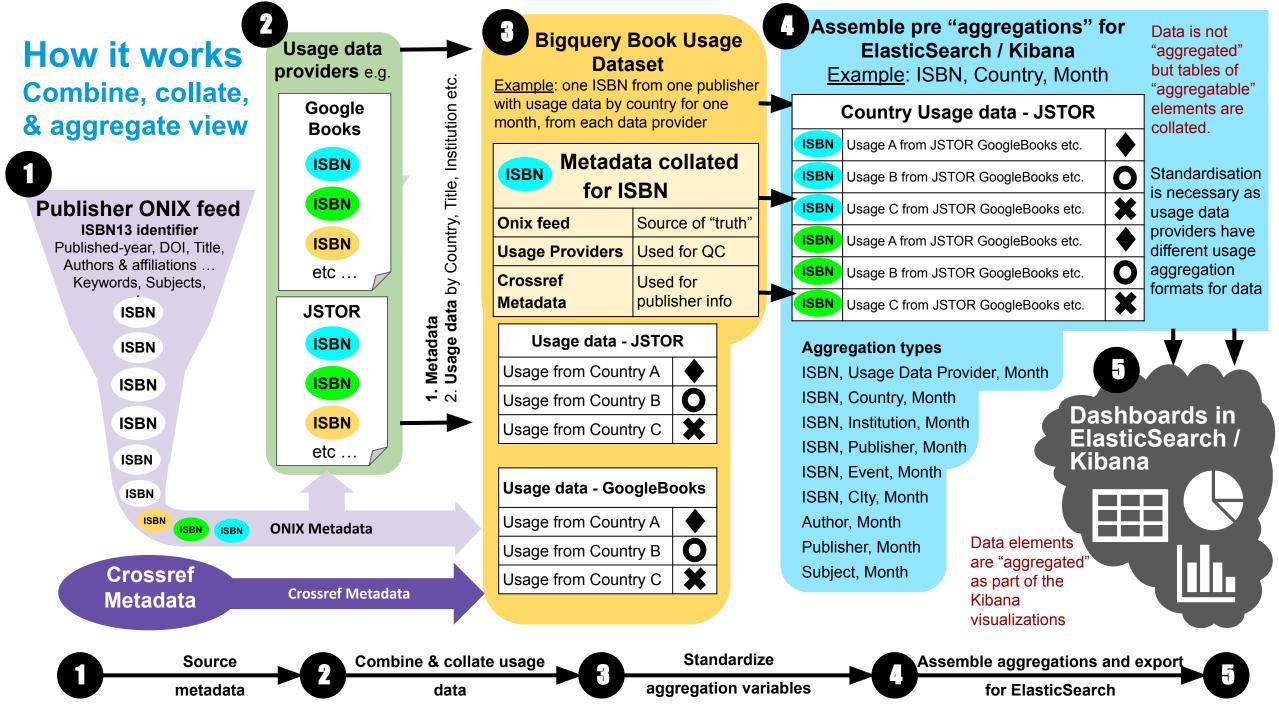












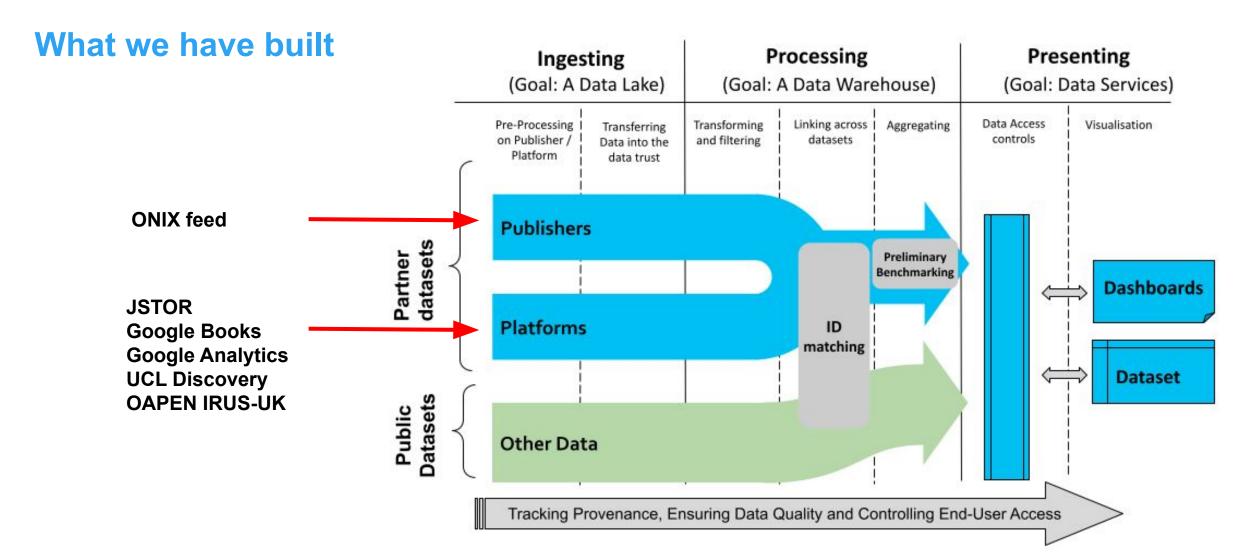














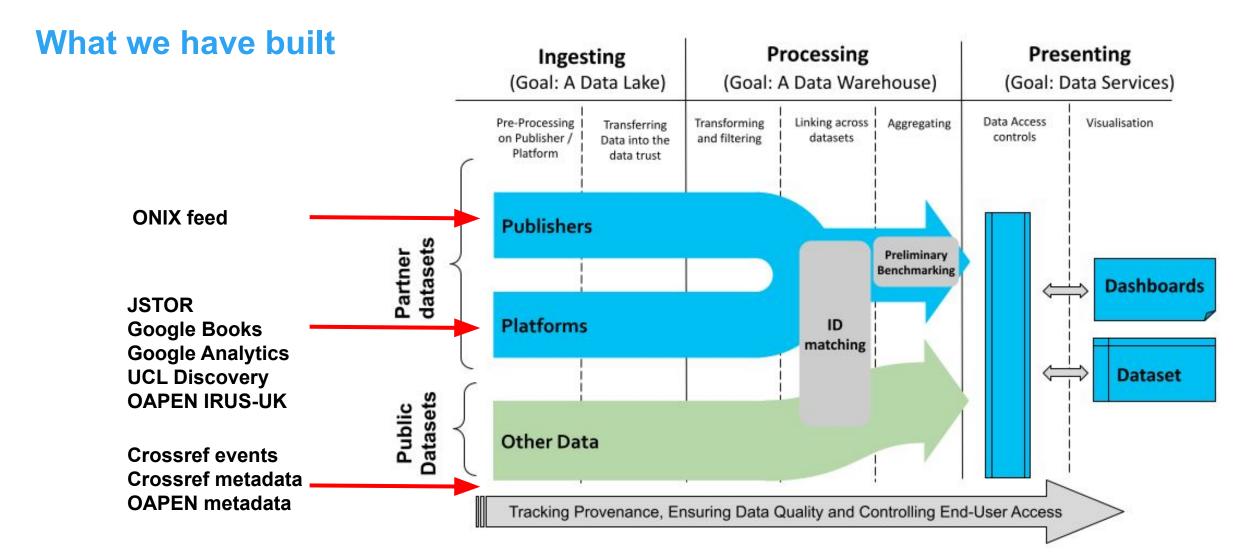






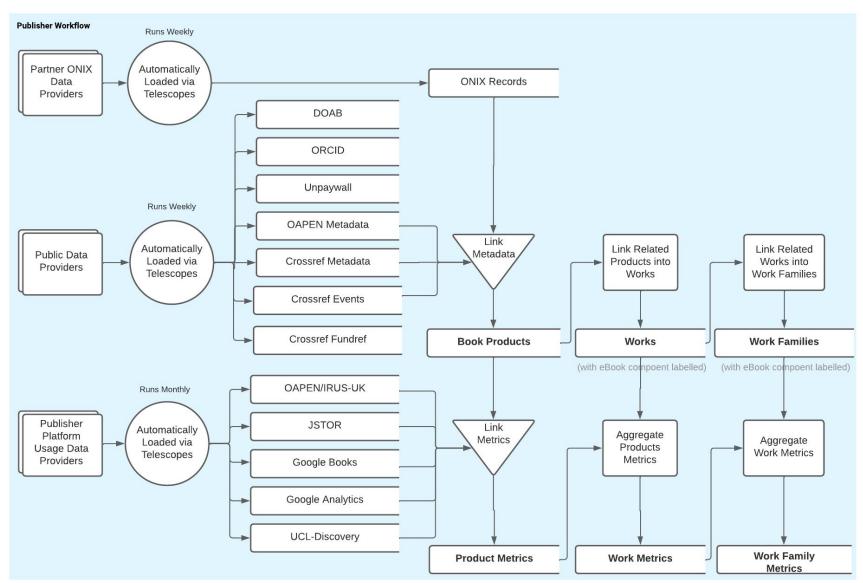






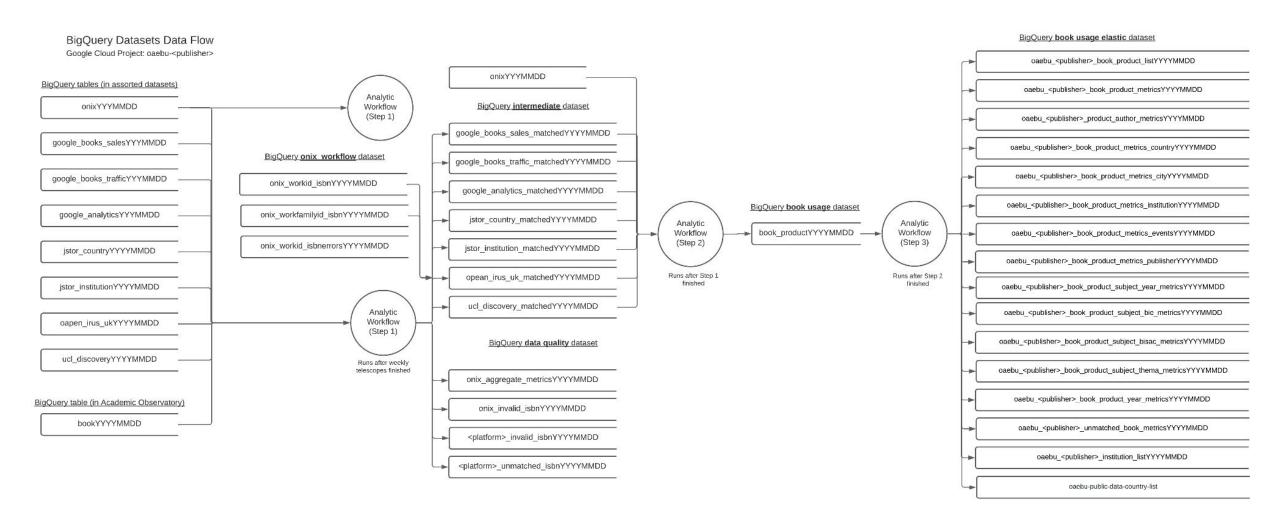


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