

OPERAS

open scholarly communication in the european
research area for social sciences and humanities

OPERAS Research Infrastructure: the SSH accelerator for the European Research & Innovation

Yannick Legré, OPERAS
Taipei, 21/03/2023



This project has received funding under the Horizon Europe Framework Programme under Grant Agreement No 101079608. OPERAS received funding under the Horizon Europe and Horizon 2020 programmes and from its members: www.operas-eu.org/funding-information



OPERAS

Open scholarly communication for social sciences and humanities

OPERAS is the Research Infrastructure supporting open scholarly communication in the social sciences and humanities (SSH) in the European Research Area. Its mission is to coordinate and federate resources in Europe to efficiently address the scholarly communication needs of European researchers in the field of SSH.



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OPERAS AISBL

7 employees + 3 open positions
7 additional members of the OPERAS Coordination Team

OPERAS is a non-for-profit organisation, led by a 11-member Executive Assembly and gathers more than 50 members.

OPERAS Executive Assembly Members:

Max Weber Stiftung



University of Zadar
Universitas Studiorum
[adertina | 1396 | 2002]



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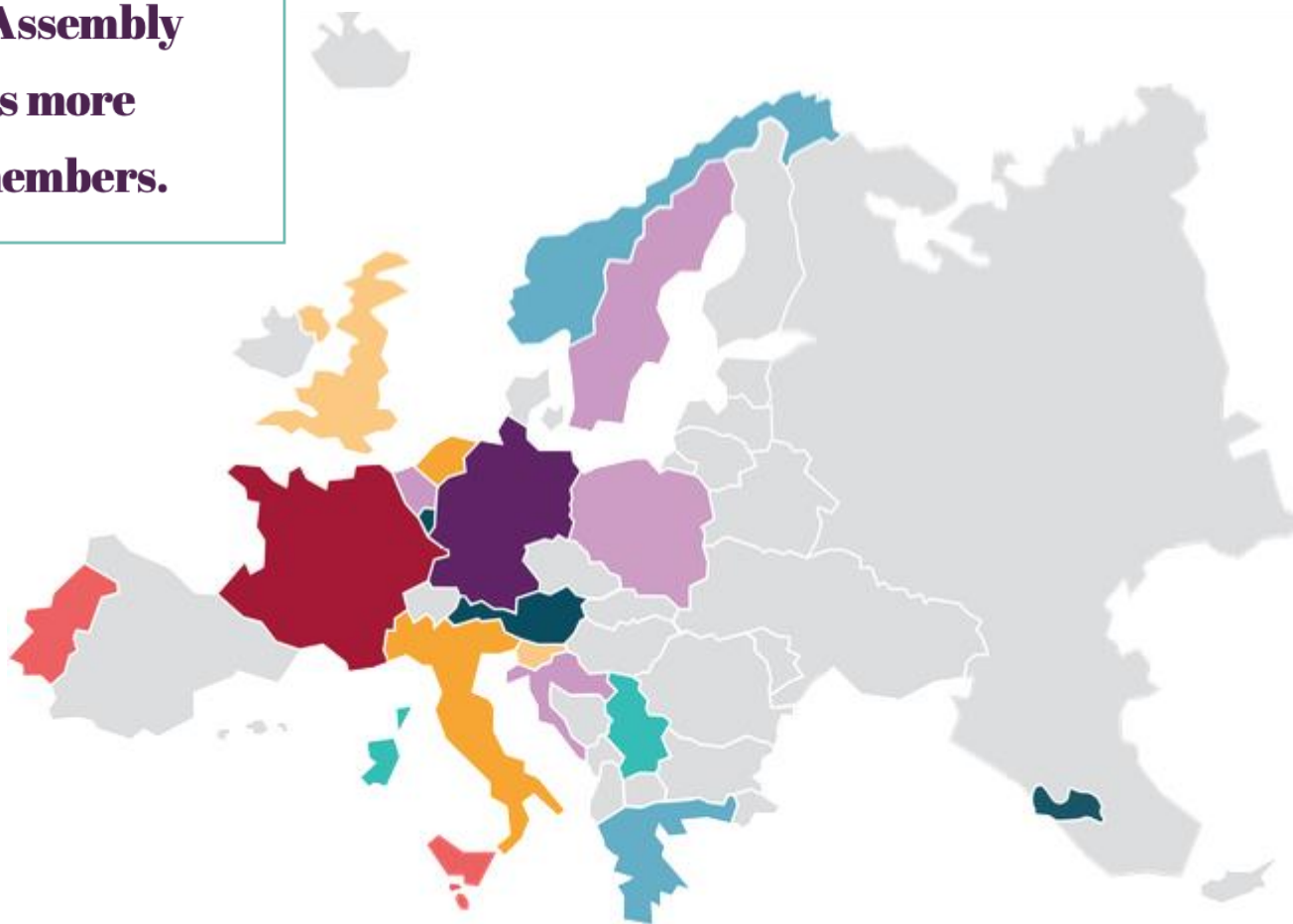
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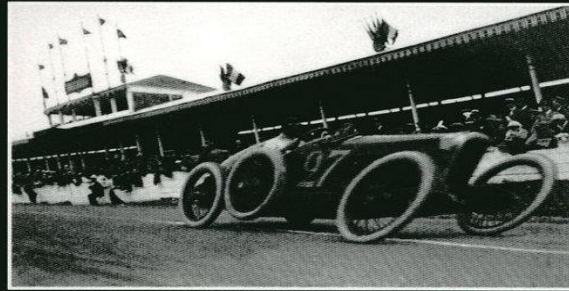
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THÉORIE CRITIQUE

Hartmut Rosa

Accélération

Une critique sociale
du temps



Traduit de l'allemand
par Didier Renault



GoTriple: Accelerating discovery



OPERAS



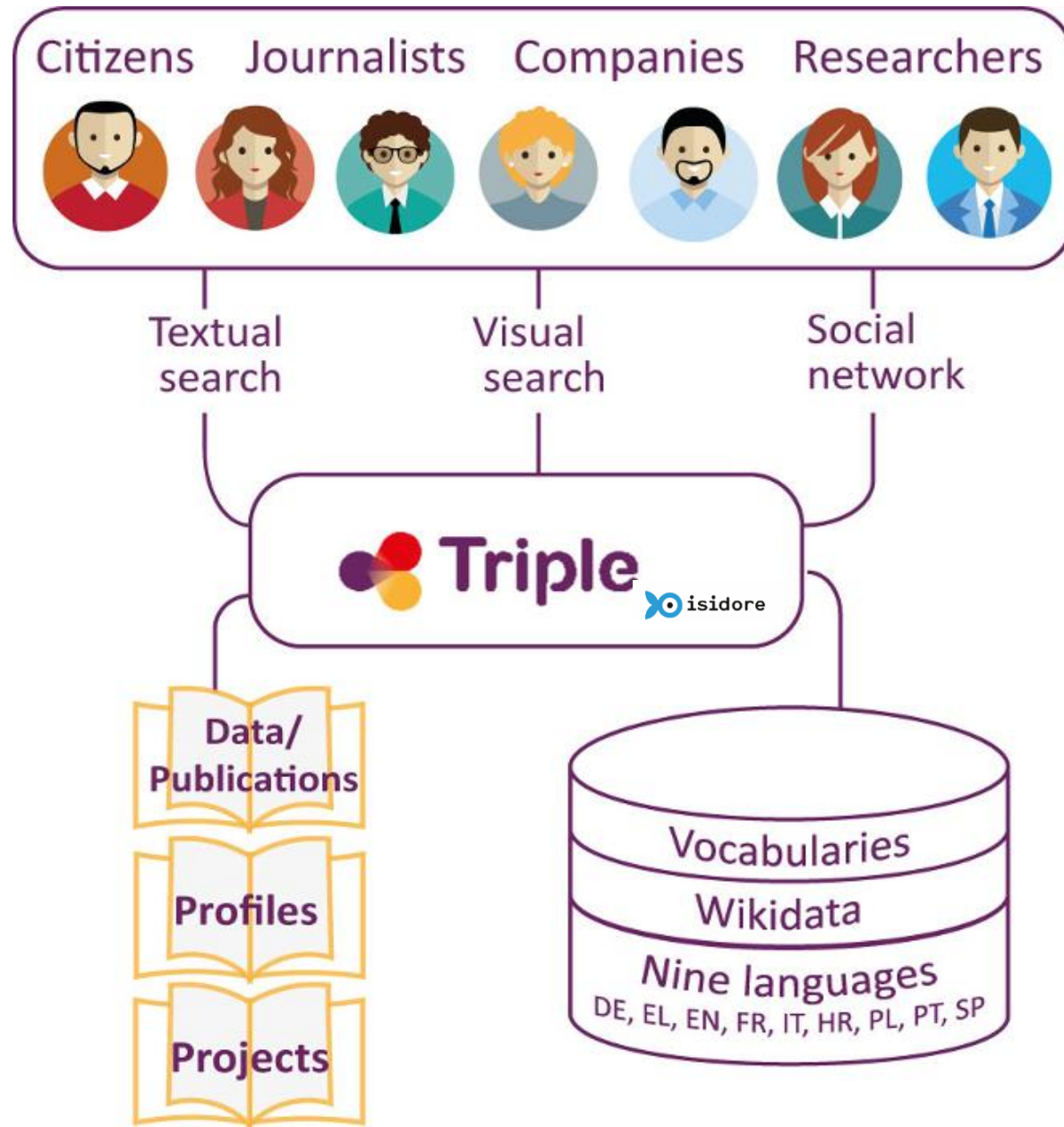
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GOTRIIPLE platform: Key facts

- is the heart of the TRIPLE project and has been released as a prototype in autumn 2021;
- is an innovative **multilingual and multicultural discovery solution** for the social sciences and humanities (SSH);
- will provide a **single access point** that allows you to explore, find, access and reuse materials such as literature, data, projects and researcher profiles at European scale;
- is based on the **Isidore search engine** developed by Huma-Num (unit of CNRS)
- will be one of the dedicated **services of OPERAS**, the research infrastructure supporting open scholarly communication in the social sciences and humanities in the European Research Area.



GOTRIPLE: Platform (contents, processes, services)



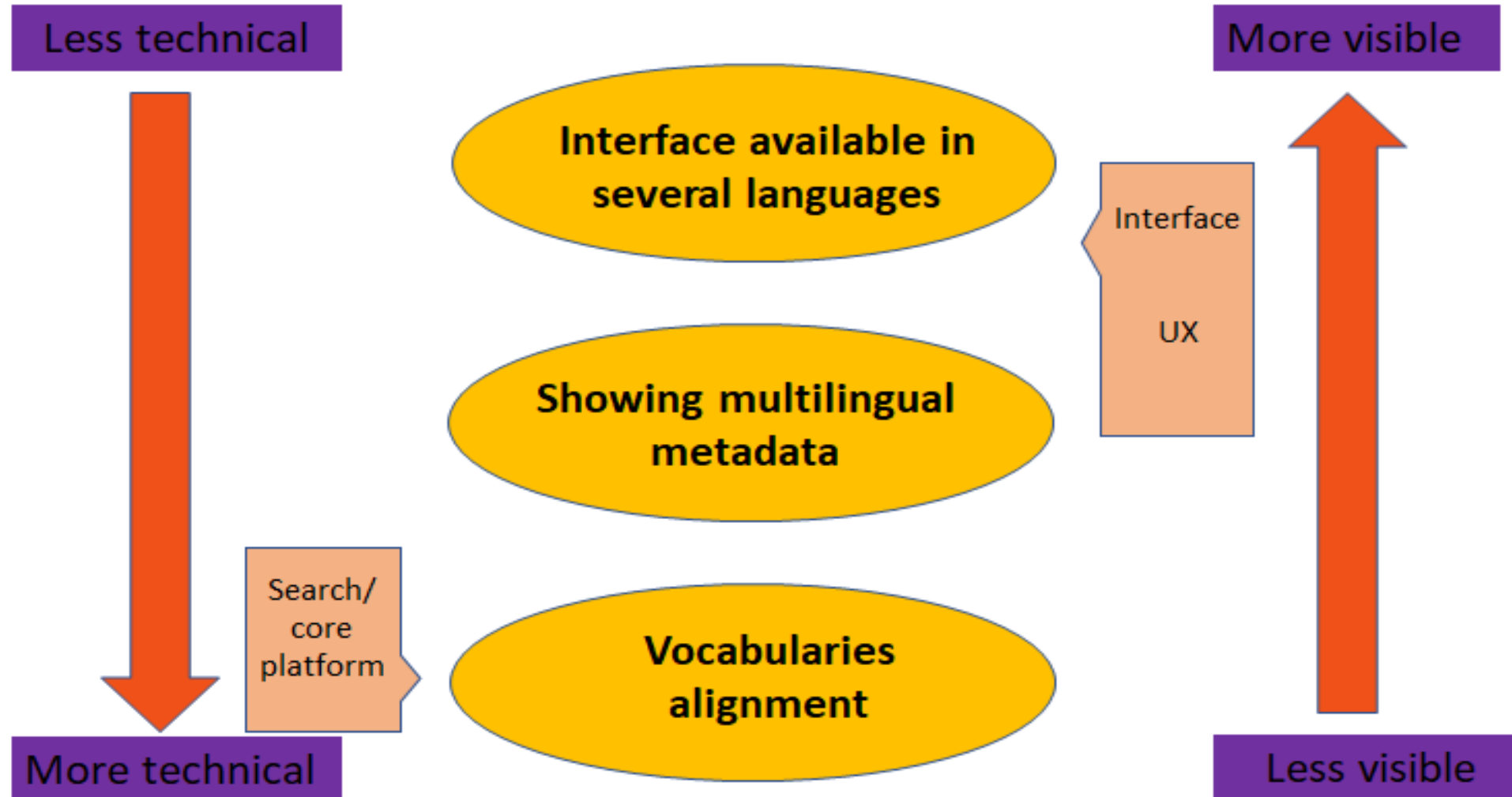
#Discover #Connect #Collaborate

TRIPLE platform services and architecture will promote a "Community of Practice"

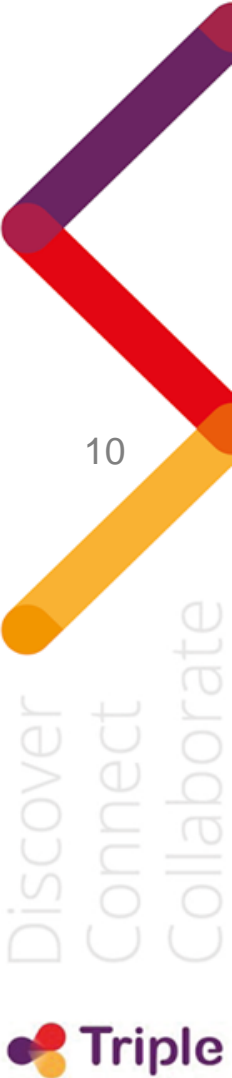
- foster new collaborations and networking
- encourage interdisciplinarity
- take into account multilingual and multicultural diversity
- facilitate crowdfunding



Multilingualism in GoTRIPLE



1. The vocabularies in SSH and their alignment



Process for resource's determination:

1. Classification by discipline (from the MORESS categories) and by language
2. Annotation of the resource (tagging item or metadata) in one of the 9 languages => more searchable for audiences that speak any of the other languages
3. Enrichment with links that help in the disambiguation of the term and increases its semantic interoperability.



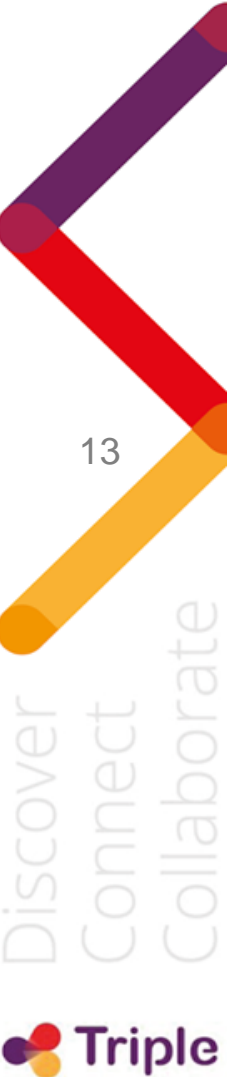
What is a Controlled Vocabulary?

- A controlled vocabulary is an organized arrangement of words and phrases used to index content and/or to retrieve content through browsing or searching. It typically includes preferred and variant terms and has a defined scope or describes a specific domain.
- The purpose of controlled vocabularies is to organize information and to provide terminology to catalog and retrieve information.



The need for a reliable SSH Vocabulary

- SSH Researchers struggle for better access to resources relevant to their research, publications and data.
- In this effort reliable SSH vocabularies are essential: necessary at the indexing phase because without them catalogers will not consistently use the same term to refer to the same concept, person, place, or thing.
- In the retrieval process, various end users may use different synonyms or more generic terms to refer to a given concept. End users are often not specialists and thus need to be guided because they may not know the correct term.



The GoTriple Vocabulary

To ensure an effective annotation mechanism for publications of all the 9 languages, GoTriple vocabulary must contain a sufficient number of concepts and, at the same time, these concepts must have labels in as many of these languages as possible.



How to build the GoTriple vocabulary

- 1) Existing classifications and controlled vocabularies have been gathered and compared.
- 2) From this first analysis, creation of new vocabularies required for the description in new languages.
- 3) Selection of an existing vocabulary (the **Library of Congress Subject Headings System**) used as a basic resource in English for the construction of the TRIPLE Vocabulary.
- 4) Automatic translation for the SSH concepts in each of the 9 languages (after testing several automatic translation tools by human validation and checking)
- 5) Human validation of the translation by experts of each language to confirm the translations or to suggest better ones if needed.

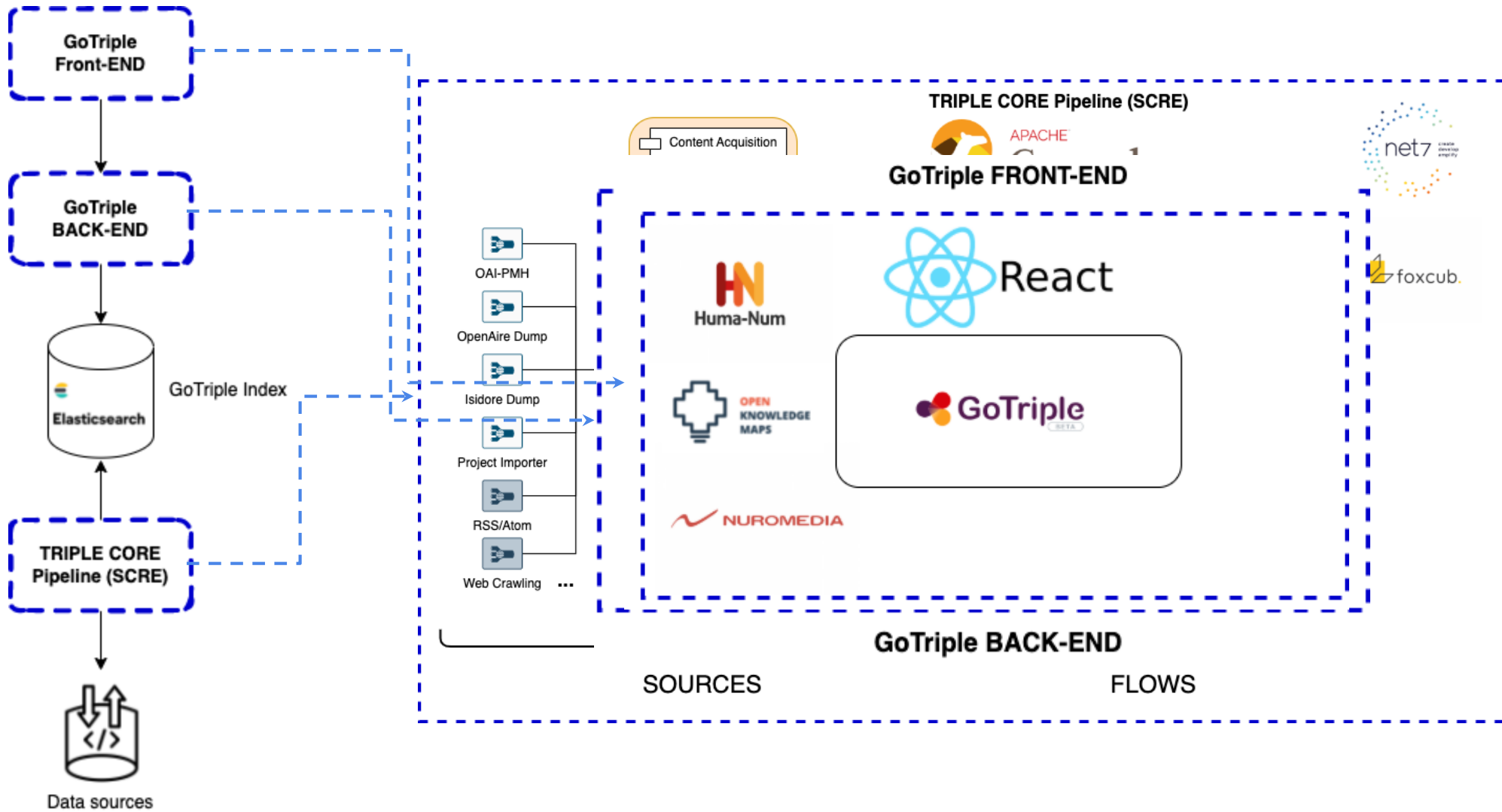


Focus on the selection of concepts:

- 1) 14 basic concepts were identified from the Frascati taxonomy under Social Sciences and Humanities.
- 2) Based on these, 37 broad concepts from LCSH were identified.
- 3) For each of these, we used the Linked Data API of the Library of Congress and we retrieved their Simple Knowledge Organization System (SKOS) representation.
- 4) For each of these, we followed the `skos:narrower` property and we extracted their children in SKOS.
- 5) We ended up with **2513** concepts.



TRIPLE architecture



Accelerating is not (always) innovating

- 1) A single access point makes it easier and faster to discover SSH resources, to reuse them, thanks to the multilingualism aspect + huge effort on data enrichment.
- 2) GoTriple is not a finding platform, but a discovery platform supporting innovation: serendipity!!
- 3) It is a mistake to think that innovation comes only from acceleration! Because innovation, as we know, comes from the margins, not from the norm!
 - To accelerate you need to focus on something which comes with a...
 - Risk of losing diversity by narrowing the focus, so we need to broaden again to retain equity, diversity, and inclusiveness issues
 - We must also include diversity to achieve true innovation: let me give you the example of the Diamond model

Diamond OA model: Accelerating publishing

 OPERAS



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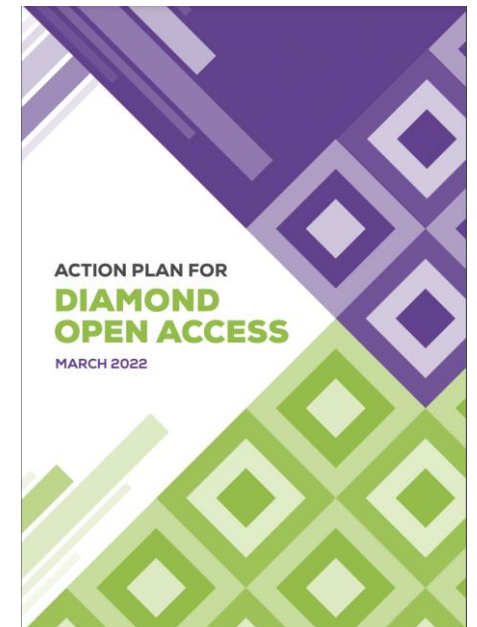


‘Diamond’ Open Access refers to a scholarly publication model in which journals and platforms do not charge fees to either authors or readers.

Diamond Open Access journals represent community-driven, academic-led and –owned publishing initiatives.

Serving a fine-grained variety of generally small-scale, multilingual, and multicultural scholarly communities, these journals and platforms embody the concept of bibliodiversity.

For all these reasons, Diamond Open Access journals and platforms are equitable by nature and design.



DIAMAS



- ◆ Starting date: September 2022, € 3m
- ◆ DIAMAS brings together 23 public service scholarly organisations from 12 European countries





DIAMAS objectives:

- ◆ **Overall objective:** to provide the research community with an aligned, high-quality, and sustainable scholarly communication ecosystem, capable of implementing OA as a standard publication practice across the ERA.
- ◆ Create a community, supporting services, and non-technical infrastructure for *Institutional Publishing Service Providers (IPSP)* that adopt common standards, guidelines, and best practices.
- ◆ Common standards, guidelines, and best practices will be co-created and adopted as an *Extensible Quality Standard for Institutional Publishing (EQSIP)*.





1

Understanding the landscape of IPSPs in the ERA



Mapping current landscape of IPSP



Mapping of existing quality standards



Benchmarking of current IPSP

Comprehensive analytical map



- EQSIP 1.0
- EQSIP 2.0
- IPSP self-assessment tool

Gap analysis

2

Improving coordination, quality, and sustainability of IPSPs

Consultations with IPSP: co-creation of best practices, toolkits, guidelines, & EQSIP 2.0



Full IPSP toolsuite: Toolkits, Standards, Training, and Guidelines

IPSP Common Access Point, Forum, & Registry

Sustainability self-assessment tool, new financial models

3

Formulating policy & strategy recommendations: dissemination, engagement & impact

Engagement with institutional leaders and managers



Dissemination



Synergy report mapping IPSPs to their host organisations

Recommendations & Guidelines for:

- Institutional Leaders
- Funders, Sponsors, Donors
- Policymakers

Wide operational take-up



New momentum for Diamond Open Access

- ◆ Unique opportunity for Diamond Open Access to position itself as a **solid alternative to the Gold APC** and other commercial models
- ◆ Unique opportunity for the scientific community to **take back control over scholarly communication**
- ◆ Unique opportunity for research funders to **invest in a sustainable publishing ecosystem**
- ◆ Unique opportunity for policy makers to **strengthen the societal impact of research**





Accelerating publishing

- ◆ Suppression of the financial barrier to publish
- ◆ Post-publishing transparent peer-review
 - ◇ Shorten time to publication
 - ◇ Increases transparency and quality of the peer-reviewing system
- ◆ Acceleration without diversity stifles innovation because it excludes small and unexpected actors that create unexpected innovation.
- ◆ Acceleration and innovation have to be supported by governance practices that implement the EDI (Equity Diversity Inclusion) principles.



OAEBUDT: Accelerating quality impact reporting

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OA BOOK USAGE DATA TRUST



Advancing the
Community-Governed Sharing of
Quality, Interoperable
OA Book Usage Data
through an International Data
Trust

Slides credit:

Christina Drummond

Executive Director, OA Book Usage Data Trust

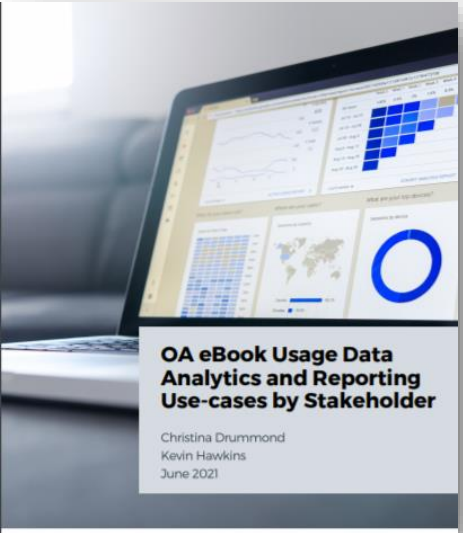
Christina.Drummond@oabookusage.org



Ursula Rabar

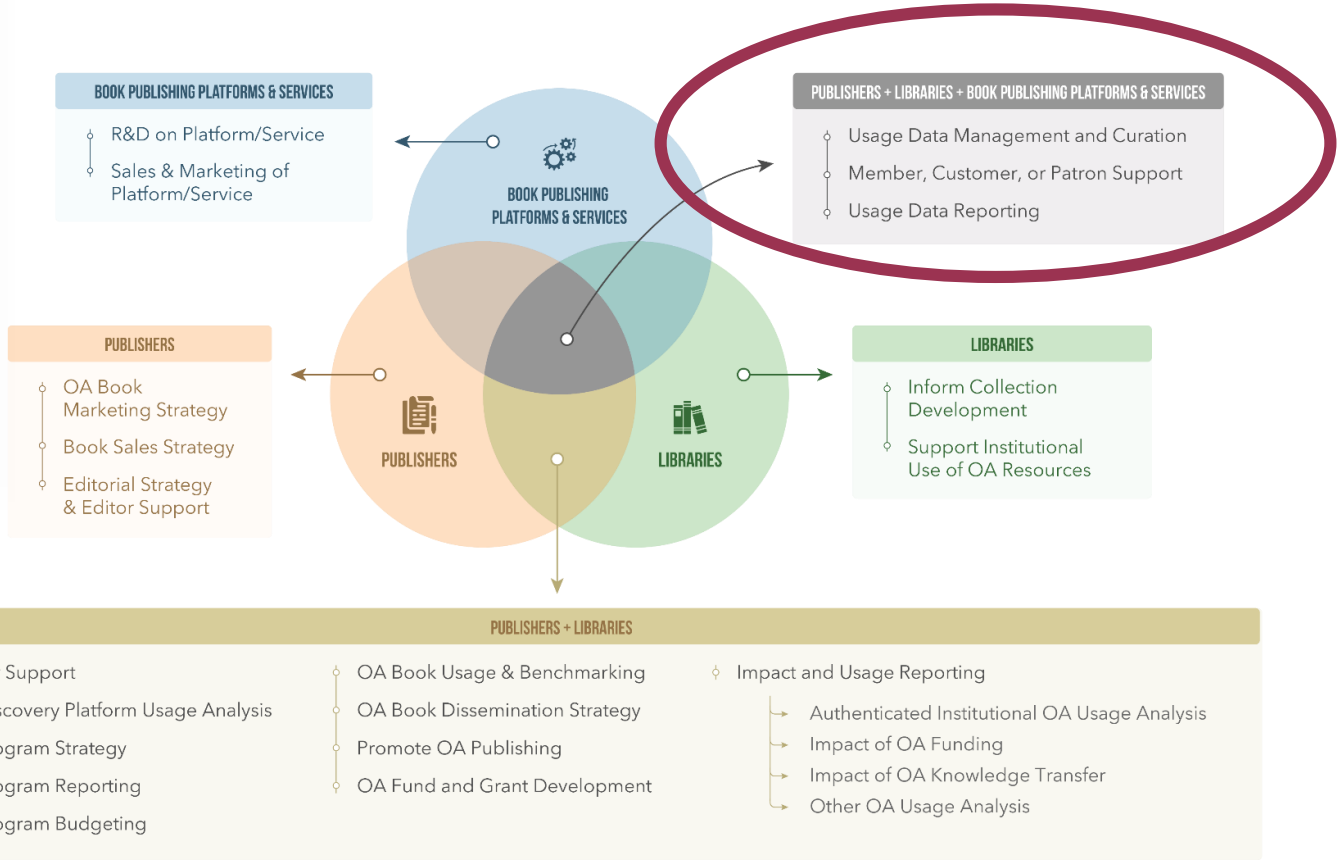
Community Manager, OA Book Usage Data Trust

ursula.rabar@operas-eu.org



OA eBook Usage Data Uses by Stakeholder Type

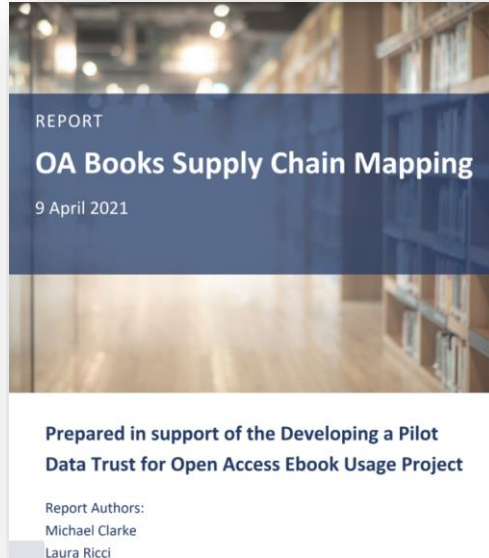
Drummond C. and Hawkins K., *OA eBook Usage Data Analytics and Reporting Use-cases by Stakeholder*
<https://doi.org/10.5281/zenodo.5572840>



Developing a Pilot Data Trust for Open Access Ebook Usage



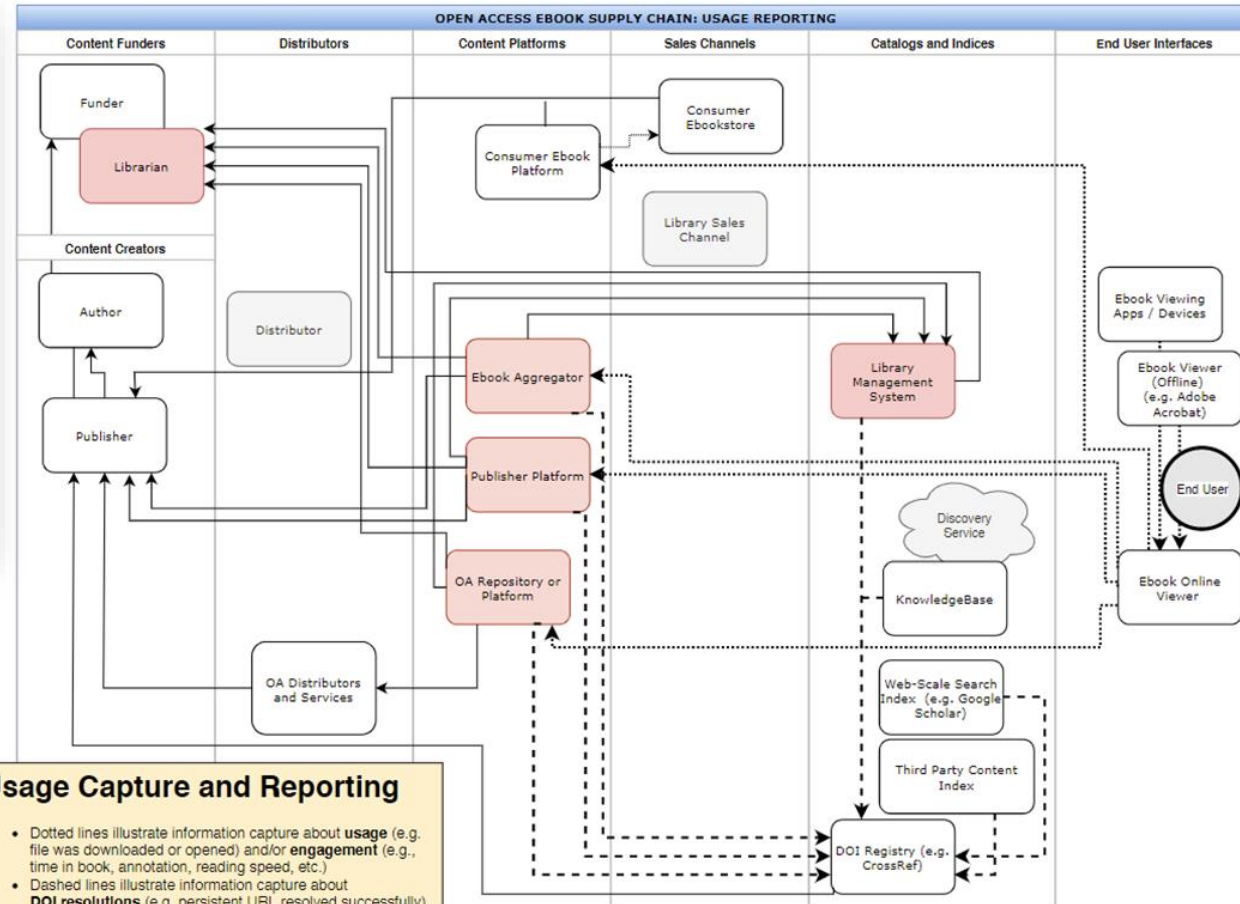
SUPPORTED BY THE ANDREW W. **MELLON** FOUNDATION



Open Access eBook Supply Chain: Usage Reporting

Clarke M. and Ricci L., *Open Access eBook Supply Chain Maps for Distribution and Usage Reporting*

<https://doi.org/10.5281/zenodo.4681870>

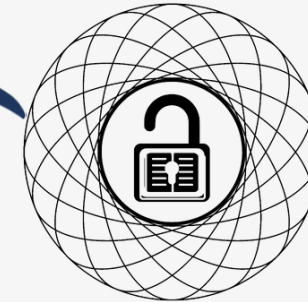
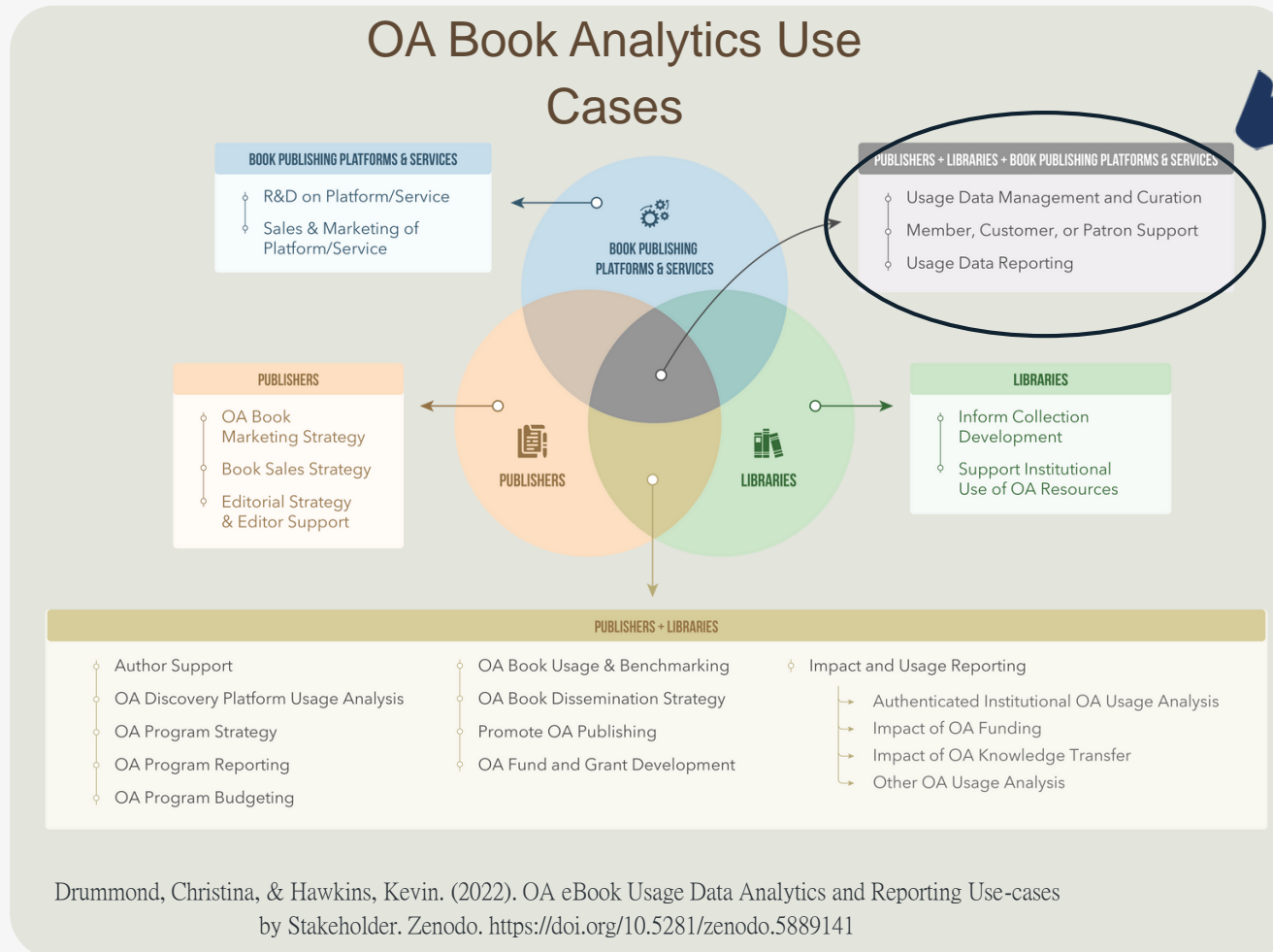


Usage Capture and Reporting

- Dotted lines illustrate information capture about **usage** (e.g. file was downloaded or opened) and/or **engagement** (e.g., time in book, annotation, reading speed, etc.)
- Dashed lines illustrate information capture about **DOI resolutions** (e.g. persistent URL resolved successfully)
- Solid lines indicate creation of **structured usage reports** by the intermediary for recipients

Boxes shaded light pink indicate platform intermediaries following COUNTER-compliant reporting standards.

OA Book Usage (OAEBU) Data Trust Value Proposition



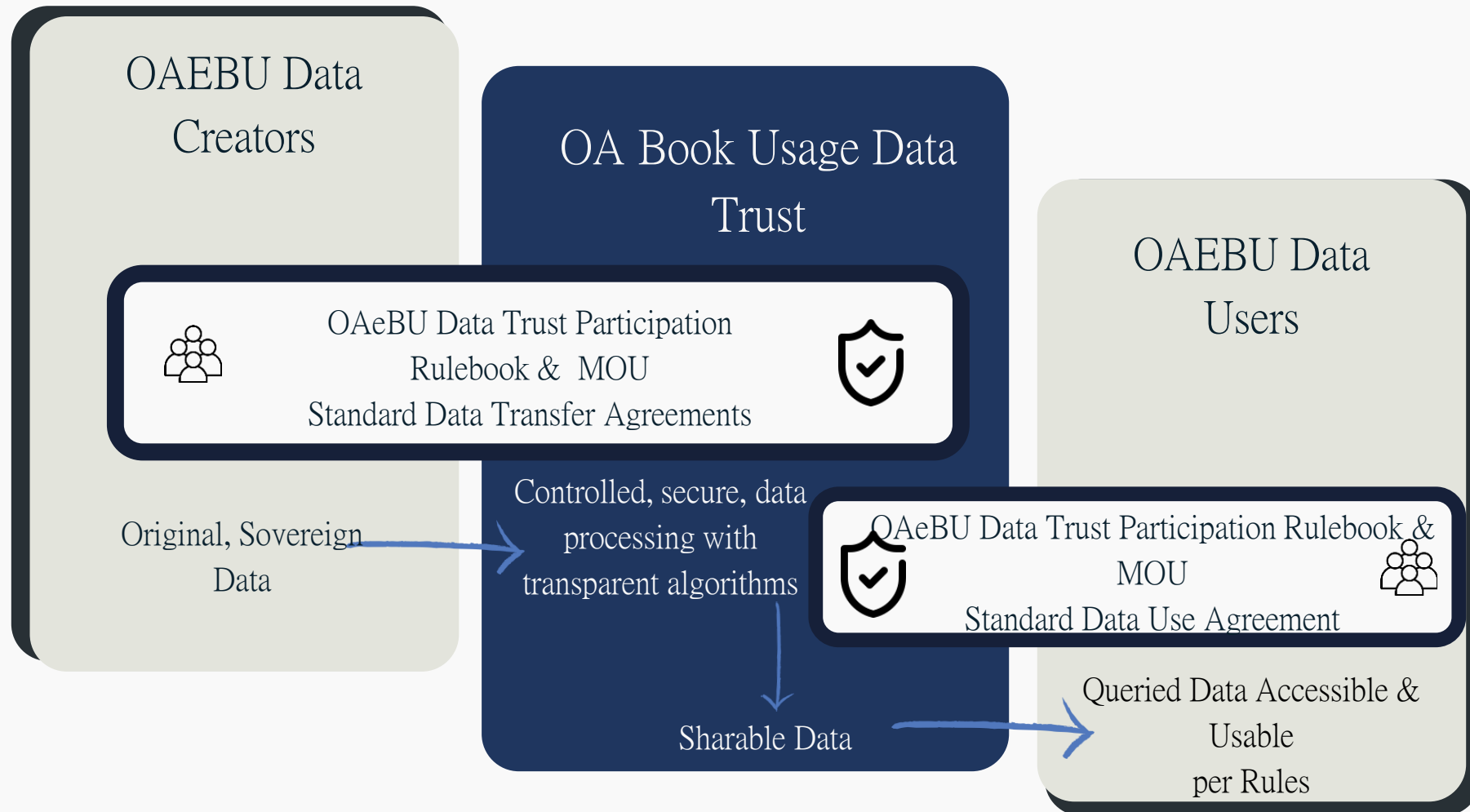
Reduce resources spent on cross-platform data curation and aggregation via economies of scale

Make OA book usage & discovery benchmarking possible

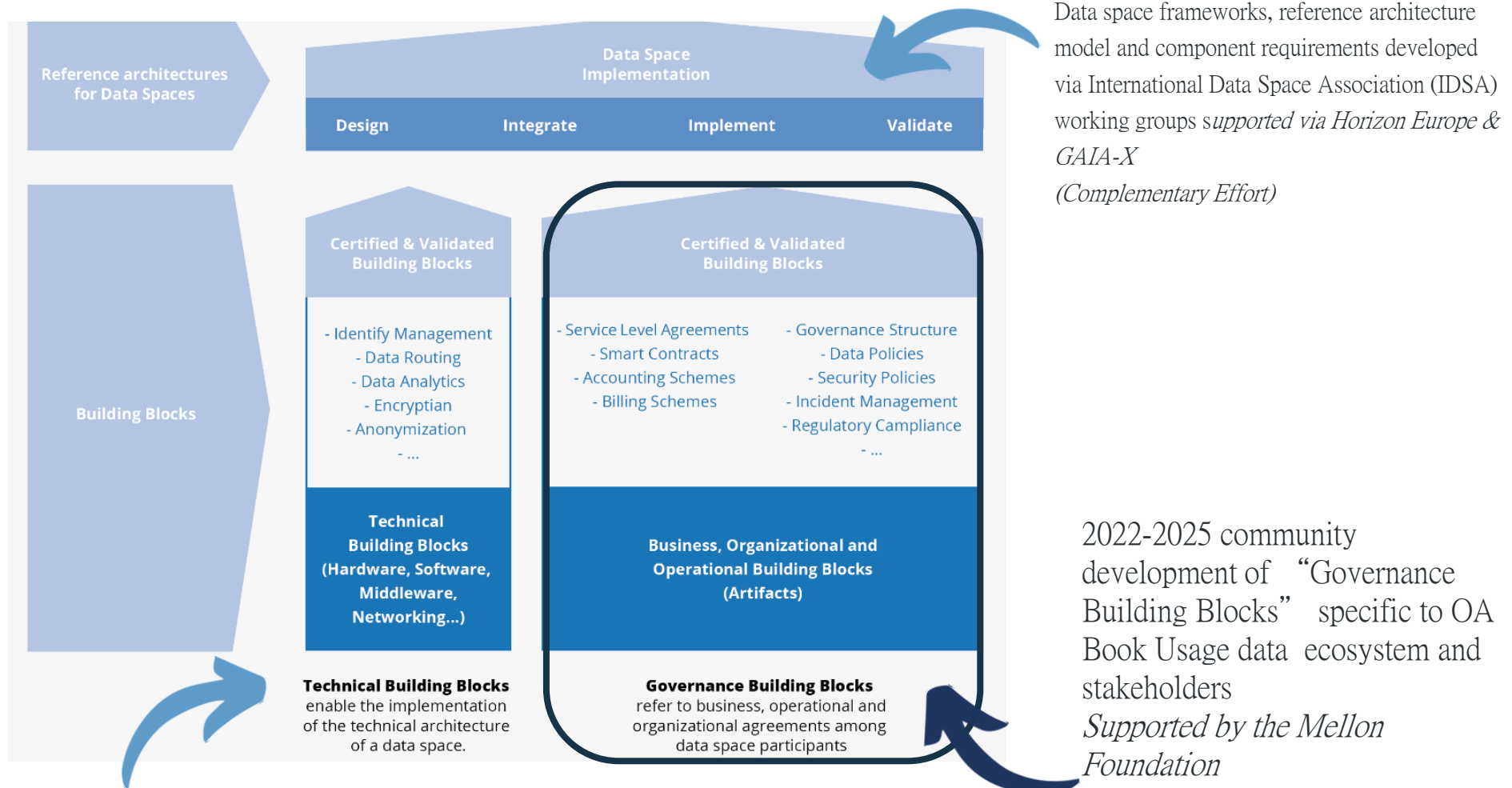


Our Approach: A Community-Governed Data Space Streamlining OA Usage Data Stewardship Data Sharing and Use Contract Compliance

oabookusage.org/2022forward



Developing “governance building blocks” for the OA Book Usage Data Trust network



2023+ Identity IDS core service providers and pilot technical data space ref. architectures for OA book usage with initial set of OA usage data creators

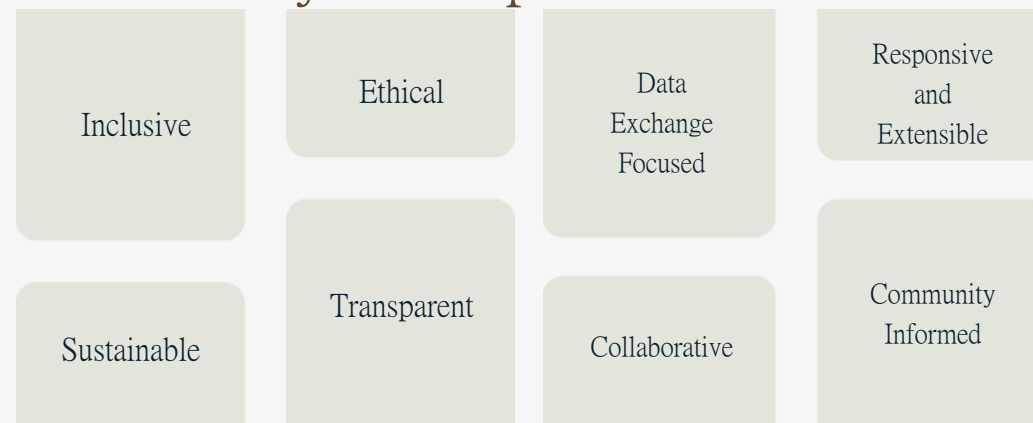
Seeking financial support

OA Book Usage Data Trust

Vision Community governed sharing of quality, interoperable, OA book usage data

Mission Champion strategies for the improved publication and management of open-access books by exchanging reliable usage data in a trusted, equitable, and community-governed way

Community Principles



oabookusage.org



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Wendy Queen, Project MUSE

Christina Drummond, Executive Director

OA Book Usage Data Trust

*Enabling the community governed sharing of
quality, interoperable, OA book usage data*

2022-2025 OA Book Usage Data Space Governance Building Blocks Project Aims

- Strengthen community governance and oversight
- Develop usage data trust (IDS) “rulebook” of participation guidelines through community consultation
- Study return for data trust participation
- Model and study sustainable budget options for operations as a community-supported not-for-profit

SUPPORTED BY



Governance Building Block Project Investigators

Christina Drummond, OAEBUDT/UNT
Prodromos Tsiavos, OpenAIRE
Yannick Legré, OPERAS

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Tasha Mellins-Cohen, COUNTER
Vivian Berghahn , Berghahn Books

Conclusion

- We need an infrastructure to accelerate access, diffusion, development and creation of science and innovation.
- This is not a size issue but of relationships, diversity and equitability.
- SHS: “Small, Human, and Smart Data”
- Ambition of OPERAS is to facilitate acceleration when needed without neglecting diversity... and by taking into account variety of data/documents.



Thank you!

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