A distributed research infrastructure for open scholarly communication in the social sciences and humanities
I Social Sciences and the Humanities in the European landscape
The ‘long tail’ of scholarly communication

- Cultural diversity
- Linguistic diversity
- Small size of players
- Diverse levels of skills and resources
- Lack of information in the market
- Very soft type of coordination between players
Diversity or fragmentation?
Diversity/Fragmentation of tools and technologies

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<tr>
<td><strong>400+ Tools and innovations in scholarly communication</strong></td>
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<td><strong>web-based tools a researcher can use</strong></td>
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<tr>
<td>authors: Blanca Kramer &amp; Jeroen Bosman (and you?)</td>
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<tr>
<td>contact: @MaPhipps &amp; @JeroenBosman, both at Utrecht University Library</td>
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<td>url: <a href="https://docs.google.com/spreadsheets/d/1KUMSeq_Pzp4KweZ7p5rddcask1XBTLHniD093nDgo">https://docs.google.com/spreadsheets/d/1KUMSeq_Pzp4KweZ7p5rddcask1XBTLHniD093nDgo</a></td>
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<td>related to poster: <a href="http://dx.doi.org/10.6084/m9.figshare.1286826">http://dx.doi.org/10.6084/m9.figshare.1286826</a></td>
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<td>part of project: <a href="https://101innovations.wordpress.com/">https://101innovations.wordpress.com/</a></td>
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This is a shared database that grew out of the "101 innovations in scholarly communication" project. When we published the 101 list of selected innovations our database already contained some 200 innovation tools. The 101 selection was
Diversity/Fragmentation of languages
Diversity/Fragmentation of players
II OPERAS proposition: From *fragmentation* to *Diversity* through *Coordination*
A Distributed research infrastructure

Engaging researchers and publishers in a sustainable open scholarly communication model

Streamline the scholarly communication landscape with an adapted service offering

Developing innovation, multidisciplinarity and multilingualism

Renew relationship between science and society
OPERAS proposition: a federated open scholarly communication catalog of services for the SSH researchers in Europe
5 services

1. Common Access Point
2. Discovery
3. Certification
4. Metrics
5. Research for society
Integrating scholarly communication in the research workflow
500 000

Researchers impacted in Europe
Discovery Platform

A European discovery platform for SSH resources

- Increasing the access, reuse of SSH data, profiles and projects by providing a co-designed adaptive solution to connect together researchers, resources and society
- Based on Isidore service developed by Huma-Num (CNRS)
- Developed in project H2020 TRIPLE (2019-2023)
Certification

A certification service for peer review procedures and open licenses, at the level of publishers, books, and book chapters

- Development within HIRMEOS project
- Pilot implementation for HIRMEOS platforms
Metrics

Giving a better representation of usage on books by delivering three complementary types of measures (downloads, citations and alternative metrics)

- An Altmetrics Service capable of extracting references to DOIs made via Twitter, Hypothes.is and Wikipedia
- A Citations Service capable of querying CrossRef's Cited-by service, and store the relevant citations to DOIs;
- An OA Metrics Service capable of collecting readership and downloads statistics from Google Analytics, Google Books, World Reader, OAPEN, the Classics Library, Wikimedia, Unglue.it, OpenEdition, and Web Server Logs
- A widget that displays the metrics collected and provides a consistent and reliable visual reference for metrics
Research for Society service

An integrated and innovative framework to host, support and develop Citizen Science practices in the SSH

- Providing collaborative tools through a specific virtual ecosystem
- Targeting the funding streams needed to dramatically expand Citizen Science in the SSH
- Providing support and training to achieve public engagement in the SSH by mutual learning
- Producing knowledge on Citizen Science co-creation practices in the SSH
III OPERAS community
OPERAS benefits to the whole ecosystem
OPERAS gathers 40 organizations from 16 countries and is led by a 9 member core group. OPERAS is coordinated from France by OpenEdition and Huma-Num.
OPERAS future entity and its stakeholders

- **The Community** committing to **participate** in OPERAS activities engaged as “ordinary members” in the **Assembly of the Commons**
- **Organizations** committing to **manage** the development of OPERAS engaged as “Core members” in the **Executive Assembly**
- **European and International infrastructures** committing to **support** the development of OPERAS engaged as “Supporting members” in the **General Assembly**
- **Countries** committing to fund OPERAS operation in the future engaged in the **General Assembly**.
OPERAS governance

- General Assembly
  - Control, validate the budget
  - Coordination Team
    - Daily management
- Executive Assembly
  - Determine strategy, Manage key activities
- Assembly of the Commons
  - Participate in activities
  - SIG1
  - SIG2
  - SIGn
  - OPERAS Activities

External Scientific Board (not in the AISBL)
Working groups

Open Access Business Model
Platforms and Services
Tools, Research and development
Advocacy
Best Practices
Common
Standards
Multilingualism
Each group is coordinated by an OPERAS core member
Challenges of scholarly communication: On the way to the new UC Digitalis ecosystem

Delfim Leão
with the collaboration of Carlos Costa
University of Coimbra
the new
**UC Digitalis** ecosystem
(University of Coimbra)

Strategic Planning
Existence of resources that do not communicate with each other and do not allow an aggregate search.

Resources dispersed across multiple systems.

the new UC Digitalis ecosystem
(University of Coimbra)
The new UC Digitalis ecosystem (University of Coimbra)

Old Document Repository

Book Repository

Journals Repository

Context

Aggregated search
Old Documents
Books
and articles

OJS
Editorial / production process

lack automatic migration process

UC Digitalis > today
connected publications
UC Digitalis > tomorrow
connected publications

Aggregated search
Old Documents
Books
Articles
Scientific Production

the new
UC Digitalis ecosystem
(University of Coimbra)
Aggregate all resources, and make them globally searchable in one point.

Return resources to the University Infrastructure, promoting the use of Open Source Software.

Make all resources FAIR.

the new UC Digitalis ecosystem (University of Coimbra)

Motivation
the new UC Digitalis ecosystem (University of Coimbra)
the new
UC Digitalis ecosystem
connect publications
with other types
of research outputs
the new
UC Digitalis ecosystem
(University of Coimbra)
the new
UC Digitalis ecosystem
(University of Coimbra)

Books

Editorial / production process

managed by OMP (under test)
integrated in UC Digitalis [Dspace]

Archive / Search / Disambiguation
In Global Institutional Repository via Pombalina
Journals / Books

Editorial / production process

both Disambiguate > ORCID / DOI
Submit Publications to researcher/project profile validation
in Digital Repository for the Scientific Production

Best management of editorial process
Controlled process of production
Record of originals to further publishing

the new
UC Digitalis ecosystem
(University of Coimbra)