

### SComCat: Cataloguing Open-source Scholarly Communication Technologies

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#### Introduction and acknowledgements

- About SComCat
  - Developed by Antleaf for the Confederation of Open Access Repositories (COAR) as part of the Next Generation Libraries Publishing project
  - Licensed under a Creative
     Commons Attribution 4.0 License

#### Acknowledgements

- Funding
  - Arcadia, a charitable fund of Lisbet Rausing and Peter Baldwin.
- Data Modelling & Collection
  - Ilkay Holt, COAR
  - Sarah Lippincott, Born-Digital



#### Purpose

- Initially conceived as a "scan" of opensource software and related technologies in the library publishing space
- Seeded the scan with data from the *Mind The Gap* report, used with permission
- Evolved to become a sustainable, dynamic, "living" database and a tool to help users locate software they can use



https://mindthegap.pubpub.org

#### Design - overview

- Scholarly Communication
   Technology Catalogue
  - "technologies" = software, standards, services
- Categories for classification and **faceted search**
- **Dependency mapping** i.e. this technology is depended on by some other technology
- Web-based relational database, built & deployed with common components
  - Rails, SQLite, Docker

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<u>epub.js</u>	<u>Significant</u>	<u>TR9</u>	<u>Actively</u> <u>Maintained</u>	Community (ad-hoc)	<u>Fiscal Sponsorship (Academic Institution)</u>
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Fidus Writer	Not Classified	TR9	Actively	Community (ad-hoc)	Commercial Vendor

#### Design - metadata & classifications

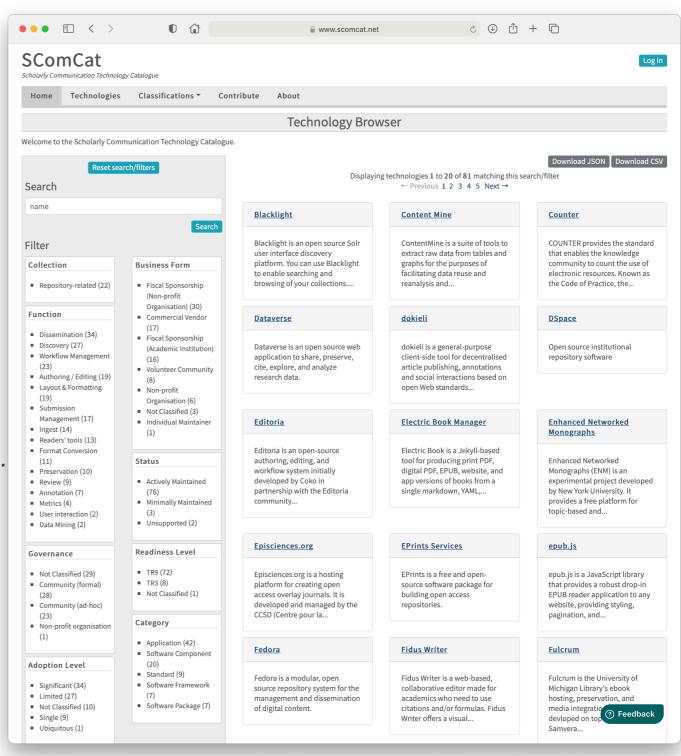
- Basic metadata
  - Homepage URL, license, codebase URL...
- Classification metadata:
  - Readiness Level
    - Is this ready to use?
  - Adoption Level
    - How widely is this used?
  - Governance
    - How is this governed?
  - Business Form
    - How is this supplied?
  - Status
    - Is this actively supported/developed?
  - Category
    - What type of software/system is this?
  - Function
    - What function(s) does this provide?

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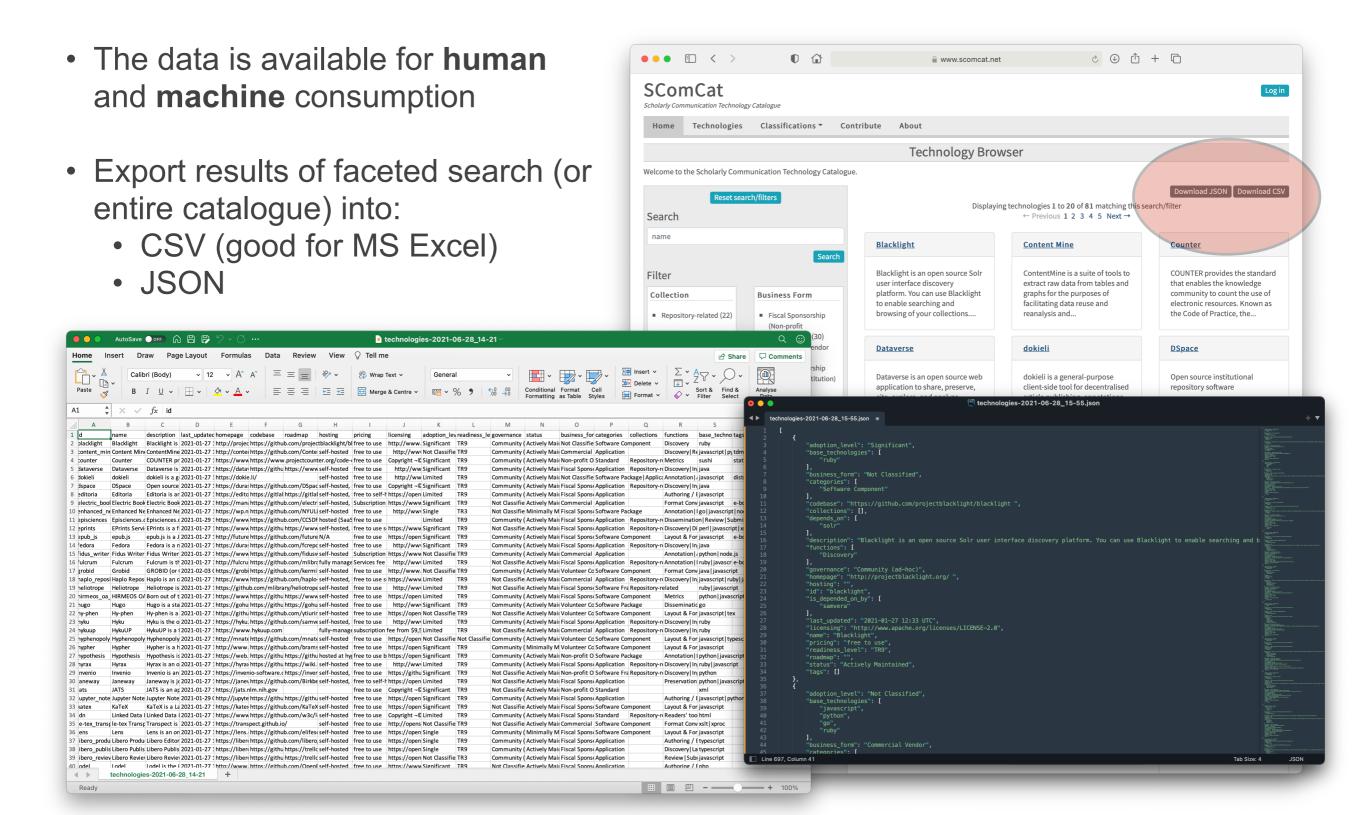


#### Features - faceted search

- Adoption Level
  - ubiquitous, limited...
- Readiness Level
  - TR3, TR9...
- Governance
  - vendor, community (formal)...
- Business Form
  - commercial vendor, volunteer community...
- Status
  - actively maintained, unsupported...
- Category
  - software package, standard, framework...
- Function
  - authoring, discovery, preservation...



#### Features - structured data exports



### Sustainability - updates & how to contribute

- NGLP project has established a help-desk to receive suggested additions/updates to the catalogue
- Users can use the "feedback" function to comment in general or on particular technologies
- Suggested additions/updates are reviewed by an NGLP editorial group



#### Contributing to SComCat

The Contribute section allows users of the SComCat tool to supply new entries for the SComCat Database. A team from the Next Generation Library Publishing Project (NGLP) will formally review each contribution as part of the peer-review process. New information that is approved by this team for inclusion will be incorporated in the subsequent updates to the SComCat Database.

The Contribute section allows the database to continue evolving in a way that respects the high standards of data gathering and evaluation that have governed the construction of the original database. When the NGLP project concludes (currently Spring 2022), this resource will transition into an appropriate longer-term home, and an Editorial Review Board will continue to serve in this capacity.

To contribute a suggestion for a new entry, or a revision for an existing entry in the SComCat Database, please use the feedback button (below, right).

SComCat system developed by Antleaf for COAR as part of the Next Generation Libraries Project. This website is licensed under a Creative Commons Attribution 4.0 License



Open "https://www.scomcat.net/contribute" in a new tab





Confederation of Open Access Repositories EDUCOPIA INSTITUTE LONGLE



#### Sustainability - code and running service

- Data is licensed as CC-BY
- Software is open-source (MIT license)
- All source code on Github
- Configured to be deployed in standard containers (Docker & Kubernetes enabled)
- Maintained by COAR for NGLP until the end of the project. Actively seeking a new home for SComCat thereafter

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# Thank you for listening!

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