Open Infrastructures: Open Metadata Management and Dissemination with Thoth



No open access without open infrastructure.



- Smaller, non-profit, and library-based OA publishers often struggle with metadata management and dissemination
 - Commercial solutions are expensive/not tailored to OA books > metadata often managed in custom spreadsheets
 - Dissemination channels require different output formats according to different specifications > technical knowledge required is often absent, leading to lower discoverability
 - OA book metadata from commercial vendors often of low(er) quality
 - Metadata often not CC0 licensed

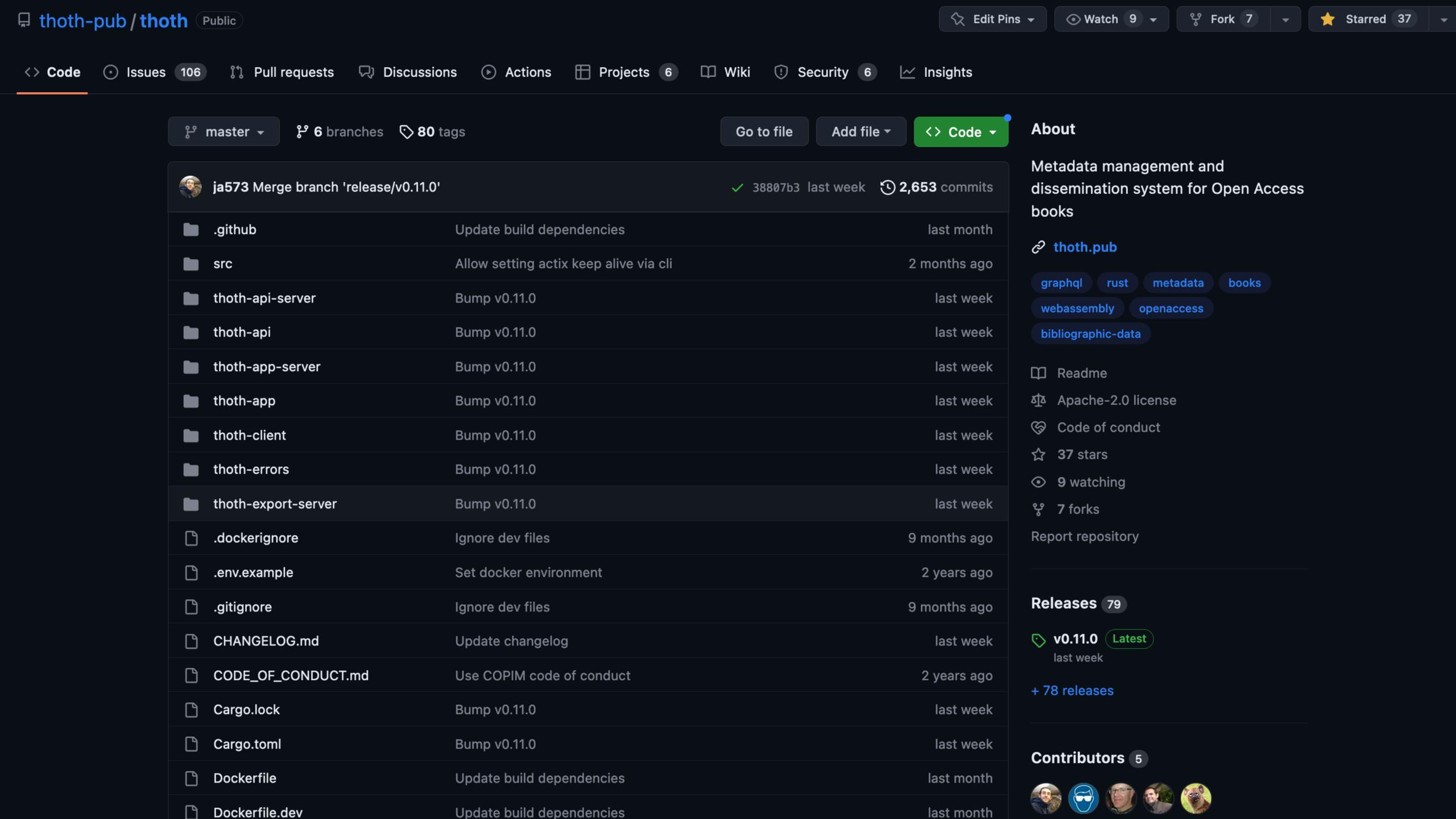


- Thoth: Open Metadata Management & Dissemination
 - Open source, open documentation on wiki











Home

Rupert Gatti edited this page on Mar 12 · 301 revisions

The following wiki lists all output formats, platforms, and other stakeholders that relate to the development of open source metadata management system Thoth. Those wikis marked with an asterisk (*) are identified in the WP5 Scoping Report and are indexed as an issue in the Thoth Project. Those wikis marked with a caret (^) have been successfully implemented in Thoth.

The transfer protocols and file specifications listed in this wiki are those which have current or future support by Thoth. Any updates are welcome at wp5@copim.ac.uk.

The Thoth User Manual, for publishers and other creators of metadata records in Thoth, can be found here.



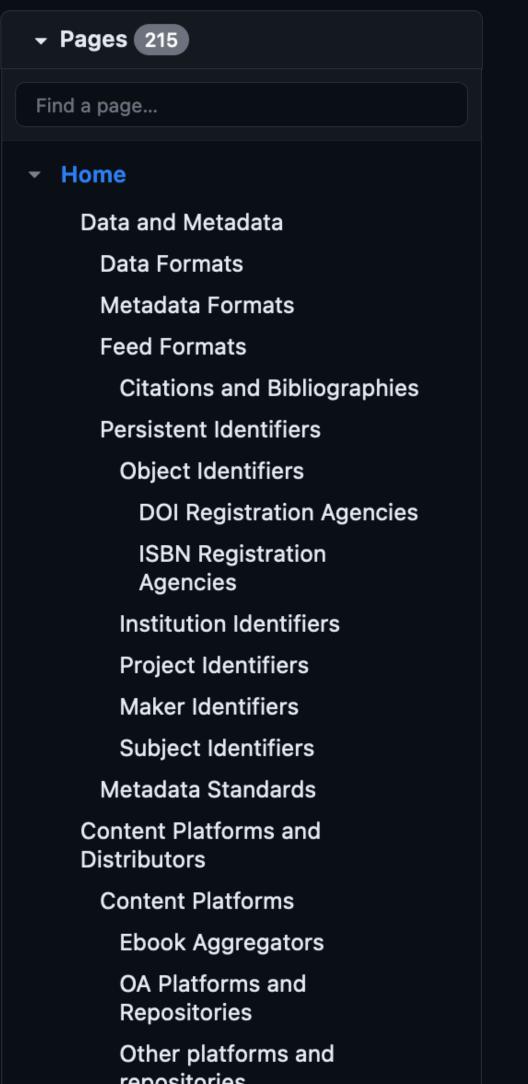
Data and Metadata

Data Formats

Data formats are the formats in which the textual content of an object are commonly digitally encoded. The Thoth project is agnostic as to which data format is used.

- AZW3
- EPUB
- HTML
- KFX
- MOBI
- PDF
- XML





New page

- Thoth: Open Metadata Management & Dissemination
 - Open source
 - Tailor-made for Open Access book metadata







Logout



Dashboard

METADATA

Works

Books

Chapters

Publications

Publishers

Imprints

Contributors

Series

Institutions

2099 Works

See all

828 Publications

See all

1 Series

See all

508 Books

See all

4749 Contributors

See all

23 Imprints

See all

1591 Chapters

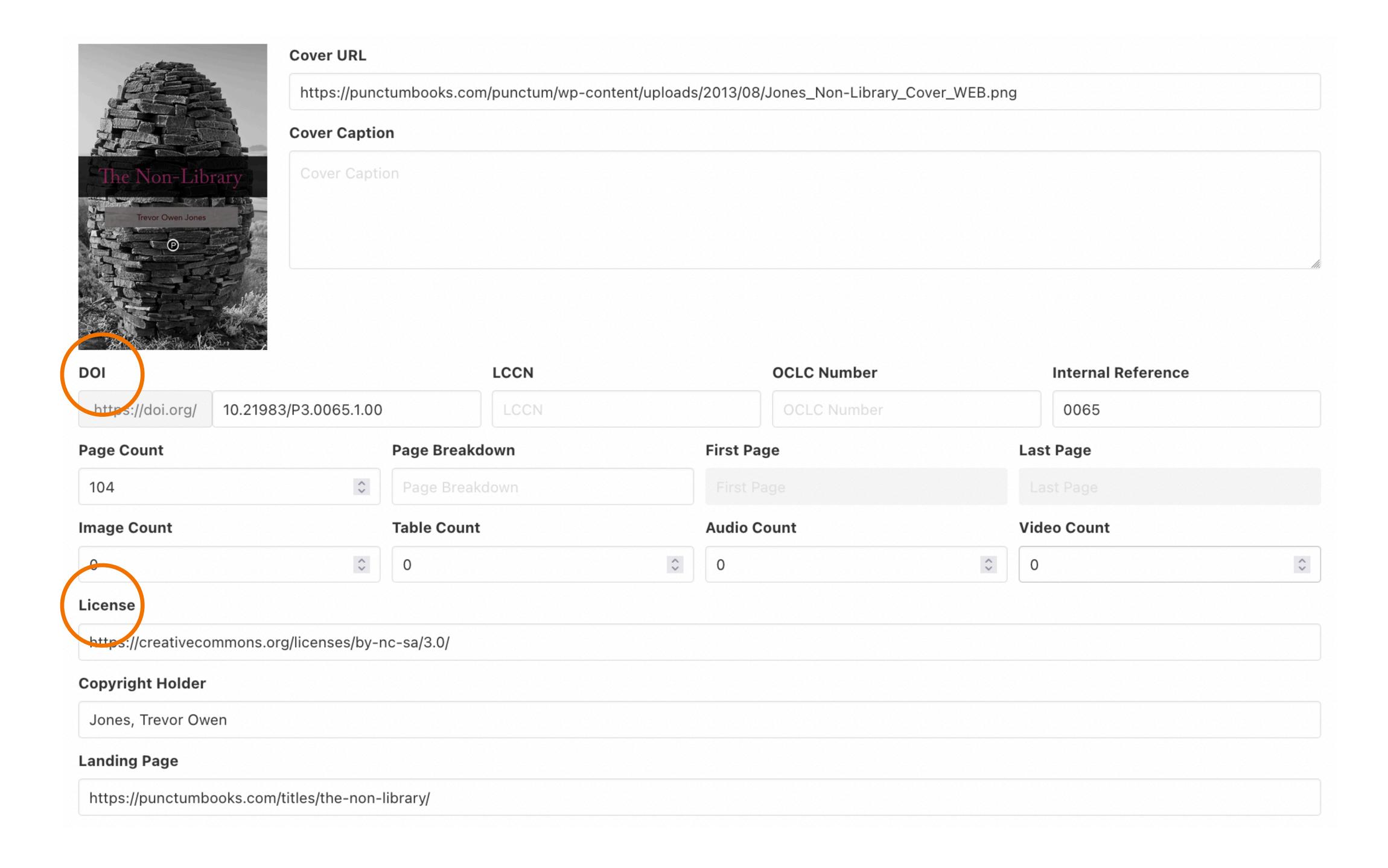
See all

1 Publishers

See all

103395 Institutions

See all



Publication Type

PDF

ISBN

Relations below are saved automatically upon change.

Add Location				
Landing Page	Full Text URL	Platform	Canonical	Remove
https://muse.jhu.edu/book/76457		Project MUSE	No	
Landing Page	Full Text URL	Platform	Canonical	Remove
https://library.oapen.org/handle /20.500.12657/25553	https://library.oapen.org /bitstream/handle/20.500.12657 /25553 /1004542.pdf?sequence=1& isAllowed=y	OAPEN	No	Kemove
Landing Page	Full Text URL	Platform	Canonical	
https://punctumbooks.com/titles /the-non-library/	https://cloud.punctumbooks.com /s/78FgRcB7qWAPMKH	Other	Yes	Remove

Member(s) contributed to: <u>Lapidari 1</u>, from: punctum books

Member(s) contributed to: The Anglo-Scottish Ballad and its Imaginary Contexts, from: Open Book Publishers

Member(s) contributed to: Manifesto for a Post-Critical Pedagogy, from: punctum books

Member(s) contributed to: Continent. Year 1, from: punctum books

Member(s) contributed to: Life Histories of Etnos Theory in Russia and Beyond, from: Open Book Publishers

Member(s) contributed to: <u>Lapidari 3</u>, from: punctum books

Member(s) contributed to: Pedagogies of Disaster, from: punctum books

Member(s) contributed to: <u>Lapidari 2</u>, from: punctum books

Member(s) contributed to: [Given, If, Then], from: punctum books

Institution Name

Aberdeen University

Institution DOI



Country

United Kingdom

Save

Contributed to: Love Don't Need a Reason, from: punctum books

Given Name

Matthew J.

Family Name

Jones

Full Name

Matthew J. Jones

ORCID

https://orcid.org/

0000-0002-9707-6655

Website

Website

Save

- Thoth: Open Metadata Management & Dissemination
 - Open source
 - Tailor-made for Open Access book metadata
 - Multiple output formats and specifications for 10+ platforms



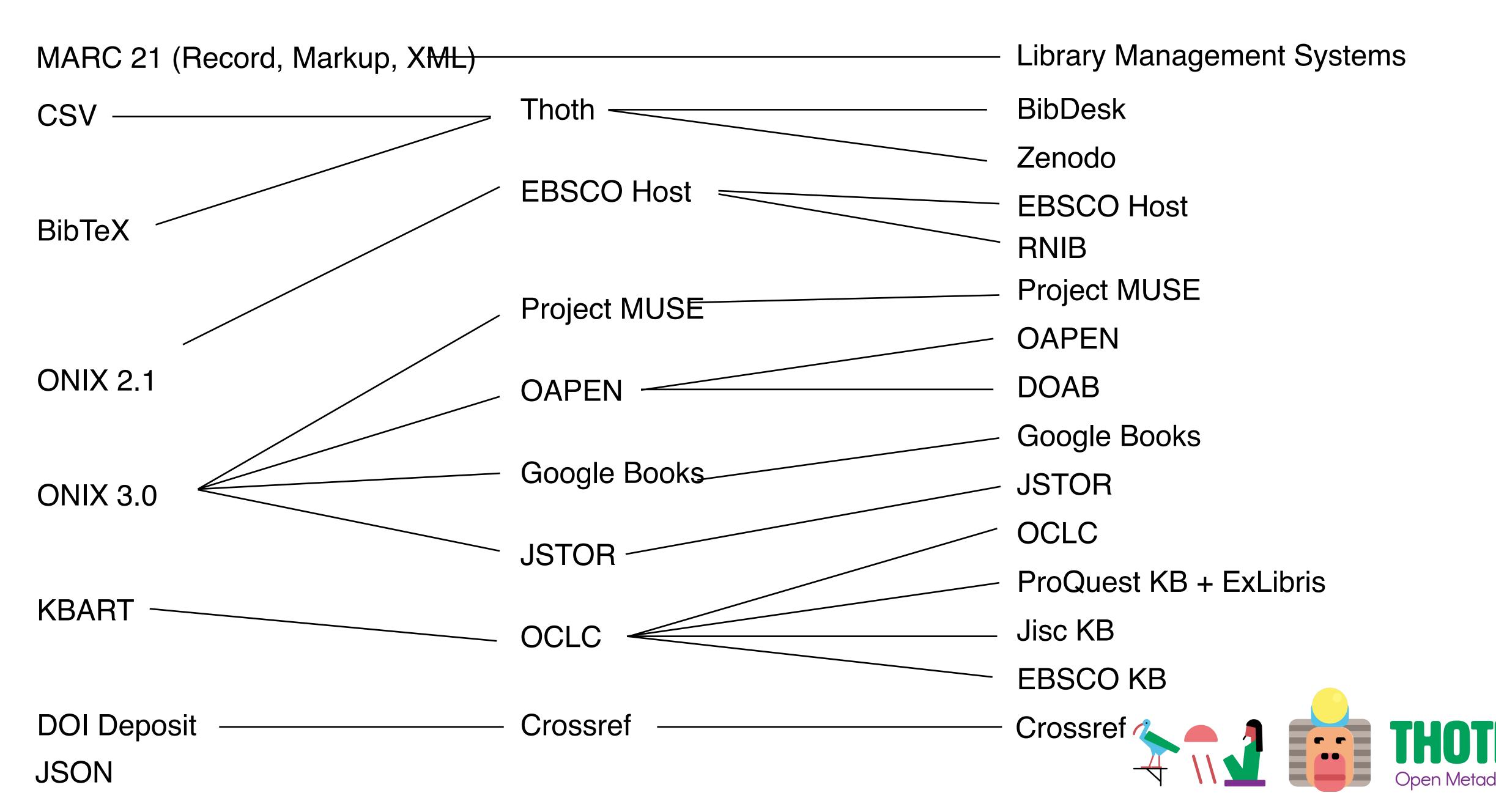




Format

Specification

Platform



```
# Welcome to Thoth's GraphQL API explorer (GraphiQL).
# GraphiQL is an in-browser tool for writing, validating, and
# testing GraphQL queries.
# Type queries into this side of the screen, and you will see intelligent
# typeaheads aware of the current GraphQL type schema and live syntax and
# validation errors highlighted within the text.
# Click on the QueryRoot in the Documentation Explorer ( < Docs ) on the
# right hand side of the screen to navigate the API schema.
# GraphQL queries typically start with a "{" character. Lines that starts
# with a # are ignored.
# An example Thoth GraphQL query might look like:
        works(workType: MONOGRAPH, workStatus: ACTIVE) {
            fullTitle
            doi
# Keyboard shortcuts:
        Run Query: Ctrl-Enter (or press the play button above)
    Auto Complete: Ctrl-Space (or just start typing)
# Run the following query (Ctrl-Enter):
    works(order: {field: PUBLICATION_DATE, direction: ASC}) {
       fullTitle
       doi
       publications {
           publicationType
            isbn
       contributions {
            contributionType
            fullName
```

```
"data": {
 "works": [
      "fullTitle": "That Greece Might Still Be Free: The Philhellenes in the War of Independence",
     "doi": "https://doi.org/10.11647/OBP.0001",
     "publications": [
          "publicationType": "PAPERBACK",
          "isbn": "978-1-906924-00-3"
          "publicationType": "HARDBACK",
          "isbn": "978-1-906924-01-0"
          "publicationType": "PDF",
          "isbn": "978-1-906924-02-7"
          "publicationType": "HTML",
          "isbn": "978-1-80064-428-1"
          "publicationType": "EPUB",
          "isbn": "978-1-906924-02-7"
          "publicationType": "MOBI",
          "isbn": "978-1-906924-02-7"
      "contributions": [
          "contributionType": "AUTHOR",
          "fullName": "William St Clair"
          "contributionType": "INTRODUCTION_BY",
          "fullName": "Roderick Beaton"
     "fullTitle": "The Altering Eye: Contemporary International Cinema",
     "doi": "https://doi.org/10.11647/OBP.0002",
     "publications": [
          "publicationType": "PAPERBACK",
         "isbn": "978-1-906924-03-4"
```

REQUEST

PATH PARAMETERS

*specification_id string onix_3.0::oapen

*publisher_id uuid 9c41b13c-cecc-4f6a-a151-be4682915ef5

API Server https://export.thoth.pub
Authentication Not Required

FILL EXAMPLE

CLEAR

CLEAR RESPONSE

TRY

Response Status: (CORS or Network Issue)

RESPONSE RESPONSE HEADERS CURL

curl -X GET "https://export.thoth.pub/specifications/onix_3.0%3A%3Aoapen/publisher/9c41b13c-cecc-4f6a-a151-be4682915ef5"

Сору

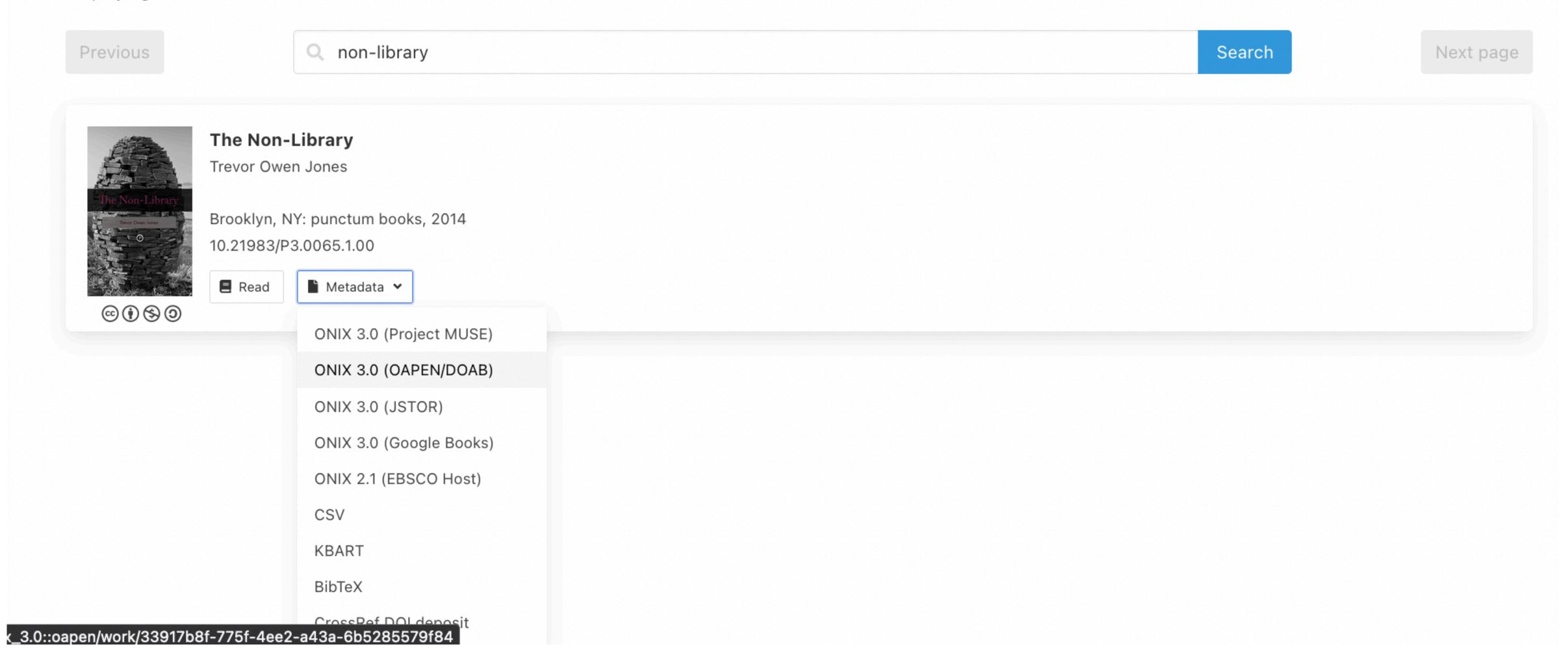
RESPONSE

200

OK

Catalogue

Displaying works 1-1 of 1



- Thoth: Open Metadata Management & Dissemination
 - Open source
 - Tailor-made for Open Access book metadata
 - Multiple output formats and specifications for 10+ platforms
 - CC0 licensed





- Thoth: Open Metadata Management & Dissemination
 - Open source
 - Tailor-made for Open Access book metadata
 - Multiple output formats and specifications for 10+ platforms
 - CC0 licensed
 - Integration with third-party platforms











What We Stand For Catalogue Support OA Initiatives

Collective Catalogue

The collective catalogue displays books that are in the Thoth system, which is an open source metadata management service used by many of the publishers supported by the Open Book Collective.



SEARCH

Search the catalogue

INITIATIVE

Select an Initiative

SORT

Date Newest

Latest Titles



AFRICAN MINDS

Transformative innovation in times...

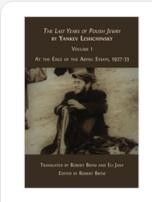
Erika Kraemer-Mbula, Rebecca Hanlin, Rob Byrne, Chux Daniels, and Ann Kingiri



OPEN BOOK PUBLISHERS

Introduction to Systems Biology: W...

Thomas Sauter, and Marco Albrecht



OPEN BOOK PUBLISHERS

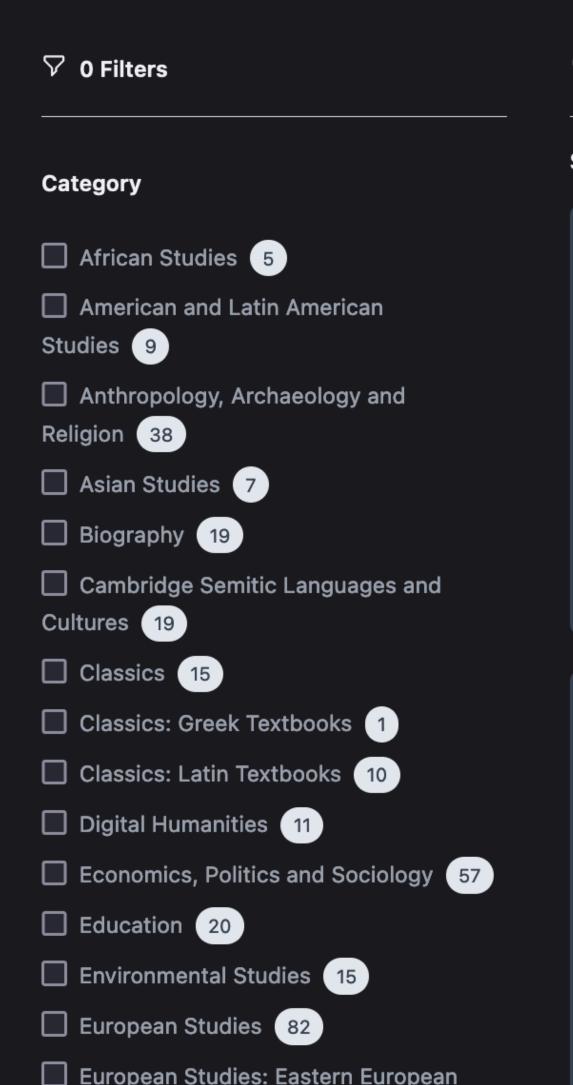
The Last Years of Polish Jewry: Vo...

Yankev Leshchinsky, Robert Brym, Robert Brym, and Eli Jany

Sales V

Catalogue

OpenBook Publishers



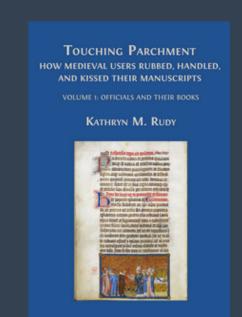
Search...

Catalogue ~

Showing 1 to 20 of 344 results

About ∨

20 per page V Sort By: Publication date desc. V



HISTORY OF THE BOOK

TOUCHING PARCHMENT: HOW MEDIEVAL USERS RUBBED, HANDLED, AND **KISSED THEIR MANUSCRIPTS: VOLUME 1: OFFICIALS AND THEIR BOOKS**

Kathryn M. Rudy

The Medieval book, both religious and secular, was regarded as a most precious item. The traces of its use through touching and handling during different rituals such as oath-taking, is the subject of Kathryn Rudy's research in Touching Parchment.



TEXTBOOKS AND LEARNING GUIDES • SCIENCE

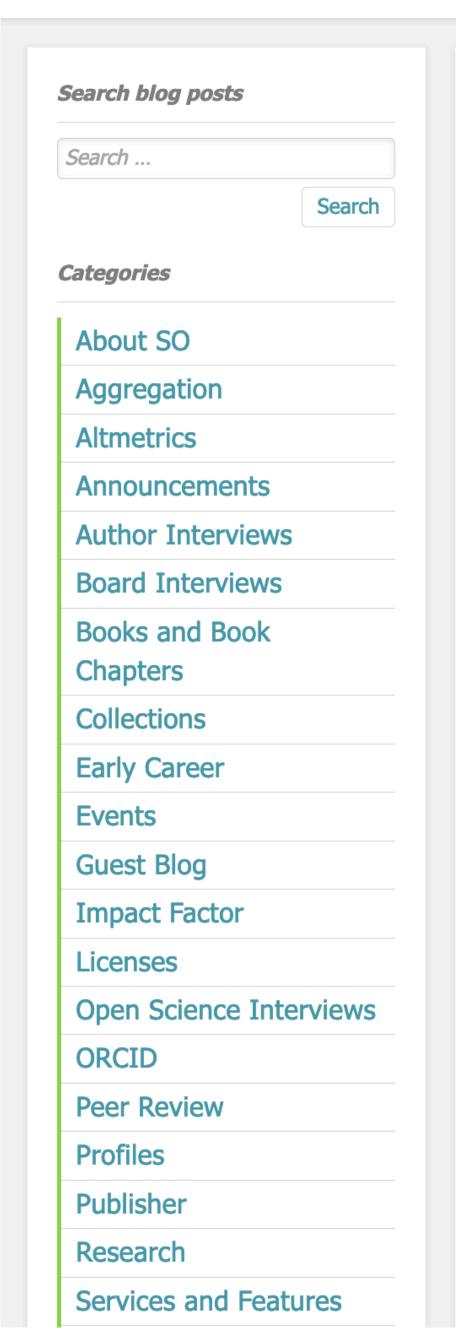
INTRODUCTION TO SYSTEMS BIOLOGY: WORKBOOK FOR FLIPPED-**CLASSROOM TEACHING**

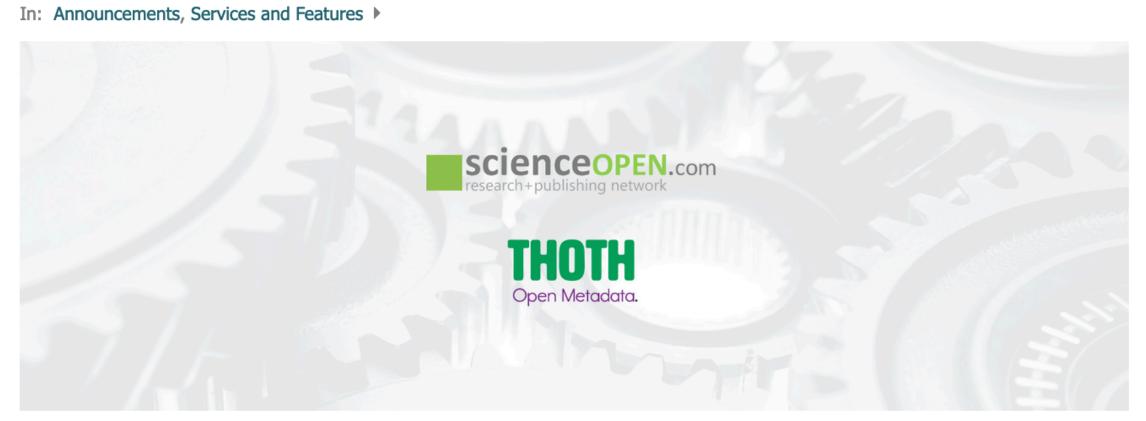
Thomas Sauter • Marco Albrecht

This book is an introduction to the language of systems biology, which is spoken among many disciplines, from biology to engineering. Authors Thomas Sauter and Marco Albrecht draw on a multidisciplinary background and evidence-based learning to facilitate the understanding of biochemical networks, metabolic modeling and system dynamics.

Academic Publishing

Aggregation altmetrics Book





ScienceOpen and Thoth join forces on book metadata

April 13, 2023 * Author: Nina Tscheke

To increase the discoverability and visibility for open books with richer and more interoperable metadata, ScienceOpen is happy to announce a new collaboration with Thoth, an open metadata management and dissemination platform. With this collaboration, open access book publishers and the entire book publishing ecosystem will benefit from a more interconnected digital publishing environment.

When we first started working with books and aggregating publicly available Crossref records via book DOIs to the ScienceOpen citation index, we quickly learned that the potential of Crossref records as actual metadata source was hardly recognized making for rather basic publicly availably records. Rich metadata was available mostly in ONIX, but while being the default format for distribution channels for book sellers and libraries, there tend to be data gaps in the ONIX information required for best practice usage in digital environments—speaking here esp. about persistent identifiers which are essential to keep records unified, connected and discoverable throughout the publication's lifecycle.

Thanks to this new collaboration with Thoth, publishers will now be able to create a record on BookMetaHub, send it to Thoth for further enhancement, and then gain access to additional output formats for future export. We are also working on sending data created on Thoth to the BookMetaHub, so stay tuned!

In response to the current data gap in the book publishing landscape between rich publication records used by book vendors within their sales channels and commonly available data, we are putting together two innovative and complementing digital infrastructures that will support publishers to share their works even further throughout the entire ecosystem—by offering simple DIY-tools for the creation and maintenance of metadata that



Tags

Publishing Books Climate Change Collection Collections conference Context Digital Publishing Discovery education Hosting Impact Factor Indexing Journal Journal Hosting Journals metadata Monthly Digest Open Access Open data Open Peer Review Open Science ORCID Peer **Review** Post-Publication Preprints Psychology Publishers Publishing Publishing Platform **Publishing Solutions** Research Discovery **Review Scholarly Publishing Science Communication** ScienceOpen spgs Sustainable Development Goals Technology UCL Press University Presses

Archives

- April 2023 (7)
- March 2023 (10)
- February 2023 (7)
- January 2023 (7)
- December 2022 (19)
- November 2022 (11)
- October 2022 (6)
- September 2022 (4)
- August 2022 (10)

- Thoth: Open Metadata Management & Dissemination
 - Open source
 - Tailor-made for Open Access book metadata
 - Multiple output formats and specifications for 10+ platforms
 - CC0 licensed
 - Integration with third-party platforms
 - Thoth Archiving Network



























ABOUT

BLOG

PROJECTS

HELP

DONATE •

CONTACT

JOBS

VOLUNTEER

PEOPLE



Thoth Archiving Network

Based on the recommendations set out in the WP5 Scoping Report, the development of open metadata management and dissemination system Thoth has been going ahead, and we're now at the point that two scholar-led open-access publishers, punctum books and Open Book Publishers, are using Thoth for their day-to-day metadata management. The next step in our process will be to create a variety of metadata output formats, such as different flavors of ONIX, MARCXML, and BibTeX, which will allow users of Th...

More...

☆ Favorite **3** RSS

► Play All

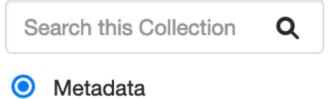
ABOUT

COLLECTION

661 RESULTS

SORT BY VIEWS - TITLE - DATE PUBLISHED - CREATOR



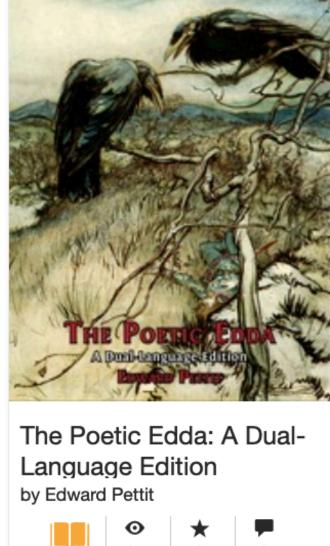


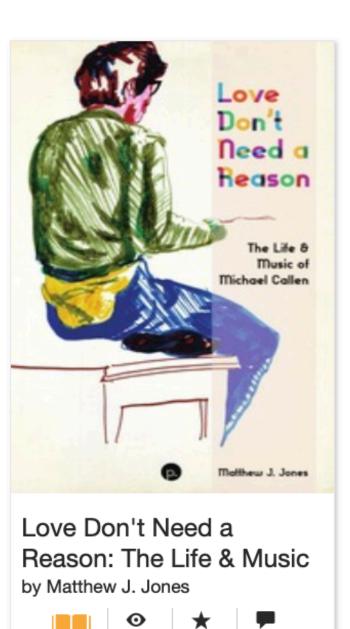
Text contents

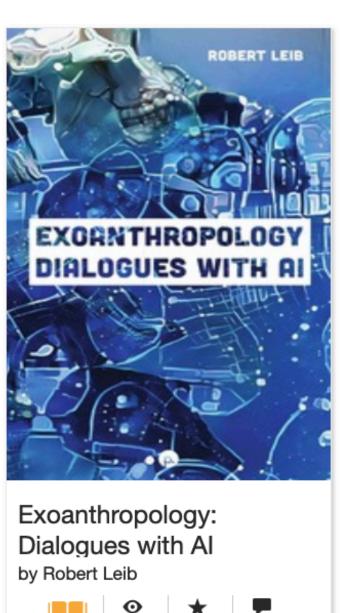
Media Type

Year

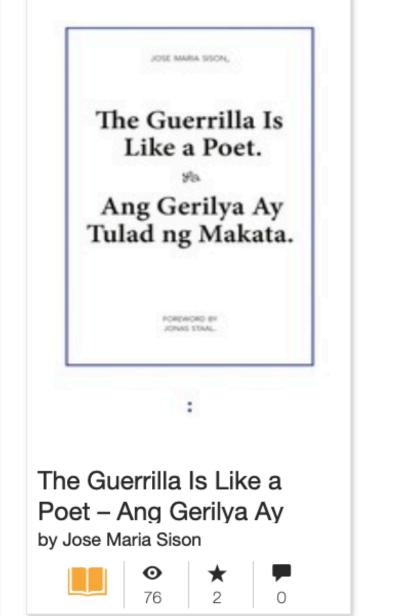














Open API Try it with GraphiQL



Open Standards





Open Metadata Truly open data



Open Access Built for **OA** books



Open Source Code available on



GitHub

Catalogue

Displaying works 1-10 of 882

Previous

Q Search by title, DOI, internal reference, abstract or landing page

Search

Next page



Alessandro De Francesco

Earth, Milky Way: punctum books, 2021

10 53288/0370 1 00

Quality control via "traffic light" system







- Quality control via "traffic light" system
- Automated metadata dissemination to platforms







- Quality control via "traffic light" system
- Automated metadata dissemination to platforms
- Multilingual Compatibility







- Quality control via "traffic light" system
- Automated metadata dissemination to platforms
- Multilingual Compatibility
- Business model launch to assure long-term sustainability







Ingest

Export

Free

API

GraphQL API

• UI

Export API

ONIX

Plus

- Metadata Services
 - Formatting
 - Backlist ingest
 - Validation/Enhancement

- Distribution Services
 - Curated (meta)data delivery
 - Archiving/Preservation
 - Support/Training







Resources

Thoth

https://thoth.pub/

WP5 Scoping Report: Building an Open Dissemination System

https://copim.pubpub.org/pub/wp5-scoping-report-building-open-dissemination-system/

Open Metadata in Thoth

https://copim.pubpub.org/pub/open-metadata-thoth/



Get in Touch

Vincent W.J. van Gerven Oei punctum books

vincent@punctumbooks.com

Rupert Gatti

Open Book Publishers

rupert.gatti@openbookpublishers.com

