OPERAS-P

OPEN SCHOLARLY COMMUNICATION IN THE EUROPEAN RESEARCH AREA FOR SSH - PREPARATION

WP5 Redevelopment of DOAB as central service

D5.2 DOAB as a service: DOAB Certification Service created

22/12/2020

Demonstrator 5.2
DOAB as a service: DOAB certification service created

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Contents

Executive summary

This demonstrator concerns the OPERAS Certification service, one of OPERAS' core services, and includes a description of the new service. The previous website of the DOAB infrastructure will be migrated from the current environment to the DSpace 6 platform, run by the OAPEN Foundation and hosted by Huma-Num.

All the functionalities presented in this document will soon be available on https://directory.doabooks.org once the platform has been migrated (at the latest, by end of February 2021).

1.DOAB Peer review - Overview

1.1 Introduction / Prerequisites

Users who are recognized as staff for a registered publisher can create a new Peer Review for the corresponding Publisher record. The mapping between users, publishers and peer reviews is made based on the group the user belongs to.

Administrators can't create a Peer Review, as the system wouldn't know which publisher the PR would need to be attached to. Administrators can impersonate other users, should they ever need to create a PR for a publisher.

The example below assumes a user named Benoît Wéry, affiliated with publisher "Cambridge University Press" (i.e. belonging to the user group "Cambridge University Press submitters").

Note: the current theme, shown in the illustrations, is the OAPEN theme, since the DOAB theme is still being created.

2. Create a new Peer Review

Applying for a Peer Review can be made by going to the "Submission" page, starting a new submission, and selecting the collection "Peer Review" (it is only displayed for users actually authorized to submit a Peer Review).

2.1 Submit a new peer review

The first step is to open the Submissions menu.

Figure 1: Step 1 - "Submissions" Menu position

The second step is to start a new submission.

Figure 2: Step 2 - Start a new submission

The third step is to select the correct "collection" called "Peer Reviews".

Figure 3: Step 3 - Selection of the "Peer Reviews" collection

After selecting the collection "Peer reviews", the Peer Review form displays, all fields are mandatory. Those fields are the actual information needed by the OPERAS Certification Service to provide accurate information on a Peer Review to be able to certify it.

Figure 4: New Peer Review form submission

Clicking "Next" shows a recap of the data for confirmation, and then the Peer Review item is submitted for review to the OPERAS Certification Service Team.

2.2 Workflow management

DOAB administrators can find Peer Review submission requests in their own "Submissions" page.

Figure 5: View of the pending Peer Review items (among others)

Each administrator can select the task in the pool, and "Take" it in its own tasks pool.

Workflow tasks

These tasks are items that are awaiting approval before they are added to the repository. There are two task queues, one for tasks which you have chosen to accept and another for tasks which have not been taken by anyone yet.

Tasks you own

	Task	Item	Collection	Submitter
☐	Peer Review Task	*Untitled*	Peer Reviews	email:Benoît Wéry

Return selected tasks to the pool

Figure 6: View of a task pool of a user (Administrator)

Clicking the task will take the administrator to the workflow review. The first part of the view shows the data that was submitted. The second part enables the administrator to accept or reject the PR.

Perform task: Accept/Reject item

Item submission

Untitled
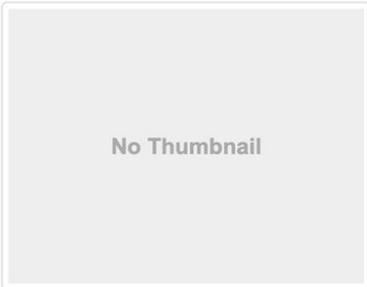
Review decision
Yes

Review type
Full text; Section

Anonymity
Single-blind

Reviewer type
Editorial board member; Crowd/open review

Review stage
Pre-publication

Open review
No

Publish responsibility
Publisher

Book License

Show full item record

Actions you may perform on this task:

If you have reviewed the item and it is suitable for inclusion on the corresponding publisher, select "Approve".

Approve item

If you have reviewed the item and found it is **not** suitable for inclusion on the corresponding publishe, select "Reject".

Reject item

Cancel

Figure 7: Detailed view of review page of a Peer Review item

- ✅ When the item is accepted in the workflow, it will be attached as a xml file to the submitters corresponding publisher item. (The original item that was used during the submission is then subsequently deleted)

- ❌ When the item is rejected, it will be deleted and the submitter will be notified. (Please note that this differentiates from other 'reject' steps in

DSpace, where normally, the actual item is kept, and simply sent back to the users' workspace)

Figure 8: View of the publisher's publications and detailed information

Show simple item record

Cambridge University Press

dc.date.accessioned	2020-11-17T13:59:24Z	
dc.date.available	2020-11-17T13:59:24Z	
dc.identifier.uri	http://localhost:8080/doab-6/handle/123456789/25310	
dc.description.provenance	Made available in DSpace on 2020-11-17T13:59:24Z (GMT). No. of bitstreams: 0	en
dc.type	publisher	
oapen.relation.isPublisherOf	683ce864-acc5-4042-8c42-44a2ea310e90	
oapen.relation.isPublisherOf	03e8a4f2-c784-4f7a-a18d-0fc202c9d4cd	
oapen.relation.isPublisherOf	17f02c50-fdd2-41c3-b108-e457882d73bd	
oapen.relation.isPublisherOf	0b15ba1f-b1e3-443f-badc-c7e1b8b34b0b	
oapen.relation.isPublisherOf	2ee4f206-7184-4534-86e6-8b573ccbebf8	
publisher.name	Cambridge University Press	*
publisher.peerreview.info	`<?xml version="1.0" encoding="UTF-8"?> <dublin_core> <dcvalue element="id" language="en" qualifier="none" schema="peerreview">ff816895-7bb1-4423-9c65-036959676db1</dcvalue> <dcvalue element="review" language="en_US" qualifier="decision" schema="peerreview">Yes</dcvalue> <dcvalue element="review" language="en_US" qualifier="type" schema="peerreview">Full text</dcvalue> <dcvalue element="review" language="en_US" qualifier="type" schema="peerreview">Section</dcvalue> <dcvalue element="anonymity" language="en_US" qualifier="none" schema="peerreview">Single-blind</dcvalue> <dcvalue element="reviewer" language="en_US" qualifier="type" schema="peerreview">Editorial board member</dcvalue> <dcvalue element="reviewer" language="en_US" qualifier="type" schema="peerreview">Crowd/open review</dcvalue> <dcvalue element="review" language="en_US" qualifier="stage" schema="peerreview">Pre-publication</dcvalue> <dcvalue element="open" language="en_US" qualifier="review" schema="peerreview">No</dcvalue> <dcvalue element="publish" language="en_US" qualifier="responsibility" schema="peerreview">Publisher</dcvalue> </dublin_core>`	
publisher.status.active	true	
publisher.identifier	1244	*

Figure 9: The Peer Review information of this publisher is in XML within the record's item

2.3 Create new peer reviewed books / chapters

Submitting a new book starts the same way as submitting a peer review, except that the right collection needs to be selected in the dropdown.

Item submission

Select a collection

Collection:

Books > Imported or submitted locally

Select the collection you wish to submit an item to.

Next

Figure 10: Selection of the collection "Imported or submitted locally"

In the input form, the Peer Review field is presented with a lookup button. The lookup button opens a popup window in which eligible Peer Reviews are listed, and can be selected (only one selection is allowed). In our case, since the peer review we created was the first one for this publisher, it is the only one our user has access to.

Peerreview:

Lookup

Lookup peer review information

Figure 11: Peer Review field (with its Lookup button)

Figure 12: Popup window with the Peer Reviews information available (only 1 in this screenshot)

Note: Currently, the name of the Peer Reviews are automatically given. In the future, we are discussing possibilities to provide real names to them (even if it would be hidden on the API) to help identify them when selecting them.

Peerreview:

> Peer review info 0

🖒

> Lookup

Lookup peer review information

Peer review ID:

> ff816895-7bb1-4423-9c65-036959676db1

Peer review decision:

> Yes

Peer review type:

☑ Full text

☑ Section

Peer review anonimity:

> Single-blind

Peer review reviewer type:

☑ Editorial board member

☑ Crowd/open review

Peer review review stage:

> Pre-publication

Peer review open review:

> No

Peer review publish responsibility:

> Publisher

Reviewer identities:

> | Add

If the attached peer review is marked as 'Open review', please fill in this field

Review(s):

> | Add

If the attached peer review is marked as 'Open review', please fill in this field

Review comments:

> | Add

Link to original peer review information:

> | Add

Figure 13: The full form after the Peer Review is selected for the book/chapter

When the Peer Review is selected, the form is extended with all fields that will be shown (but are disabled since they can't be edited in an individual book record).

However, there are 3 more fields displayed that are specific to how the current book was reviewed: those can be filled in as they are specific to this book/chapter.

The next step allows the user to submit a full-text file or a link to it. Then, similarly as for Peer Reviews, a final step shows an overview of the introduced metadata before the user can validate the submission. Unlike Peer Reviews, there is no additional validation workflow step for books, they become immediately visible.

The peer reviewed books or chapters display an icon next to their title, identifying they have been peer reviewed and that this Peer Review was certified by DOAB using the OPERAS Certification Service.

Test book peer review certified by **doab** ⬅

Export citation

Thumbnail

⚖ Book License

Author(s)
Wéry, Benoît

Language
English

Show full item record

URI
https://dev2.atmire.com/dspace-doab-6/handle/123456789/41945.2

DOI
10.123456/789

Publisher
Cambridge University Press

Publication date and place
2019

Classification
Fiction & related items

Review decision
Yes

Review type
Full text; Section

Anonymity
Single-blind

Reviewer type
Editorial board member; Crowd/open review

Review stage
Pre-publication

Open review
No

Publish responsibility
Publisher

Rights
All rights reserved

Figure 14: Example of a book with the DOAB Peer Review Certification icon attached to it

When clicked, the icon will show the details about the Peer Review (which can already be seen in the item view, as shown on the capture above).

1. [⚠ *This part is currently being developed and, therefore, no screenshot is available at the time of submission of this deliverable.]*

After at least one book or chapter has been added, that is peer reviewed, for a publisher, the "browse by publisher" view also gets identified with the same "certified by DOAB" icon. Clicking the icon shows the PR details as well.

Figure 15: Browse by publishers view with one publisher that contains at least a book/chapter that is peer reviewed
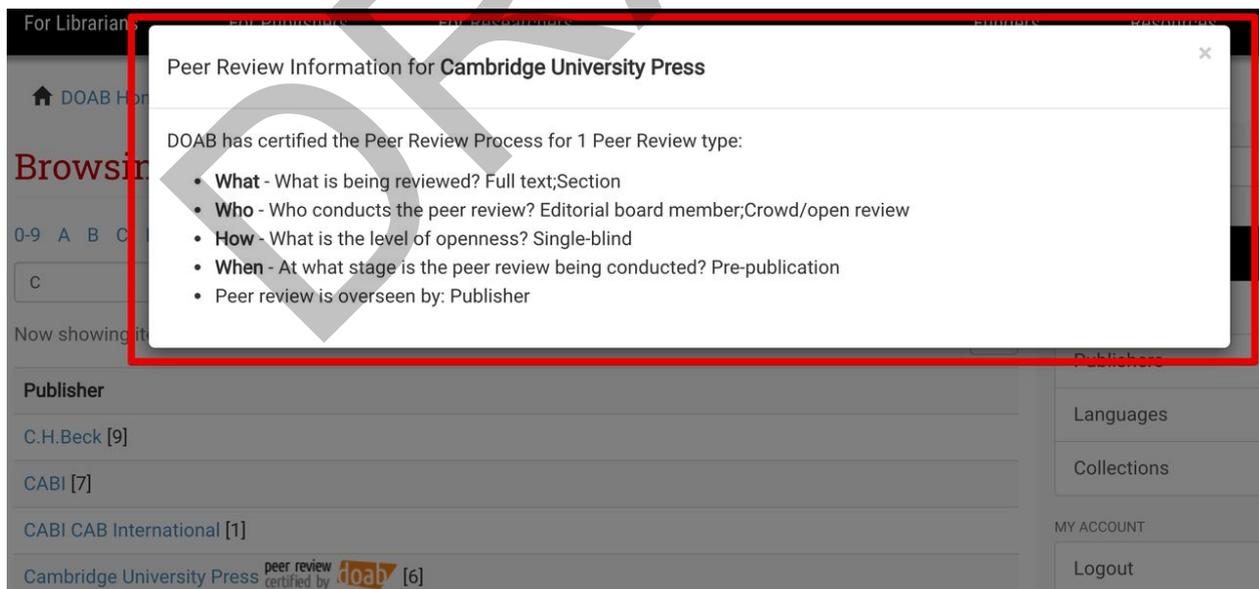
Figure 16: The detailed information of the Peer Review information for a publisher

On the item view for that same publisher too, next to the publisher name, the icon is displayed and shows the PR details when clicked as well.

Cambridge University Press
peer review certified by doab ←

URI
http://localhost:8080/doab-6/handle/123456789/25310

No Thumbnail
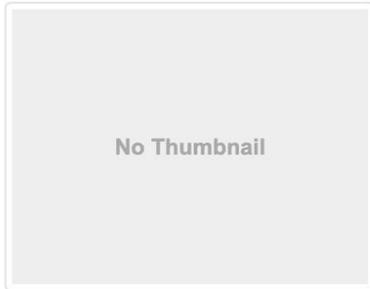
⚖ Book License

Show full item record

Publications
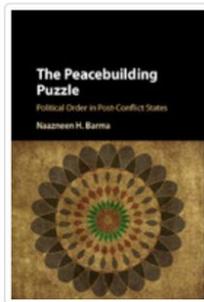
The Peacebuilding Puzzle

Barma, Naazneen (2016)

Transformative peace operations fall short of achieving the modern political order sought in post-conflict countries because the interventions themselves empower post-conflict elites intent on forging a neopatrimonial ...

Conversational Repair and Human Understanding

Raymond, Geoffrey; Hayashi, Makoto; Sidnell, Jack (2013)

Humans are imperfect, and problems of speaking, hearing and understanding are pervasive in ordinary interaction. This book examines the way we 'repair' and correct such problems as they arise in conversation and other forms ...

See more

Figure 17: Item view of publisher - note the icon "Certified by DOAB"
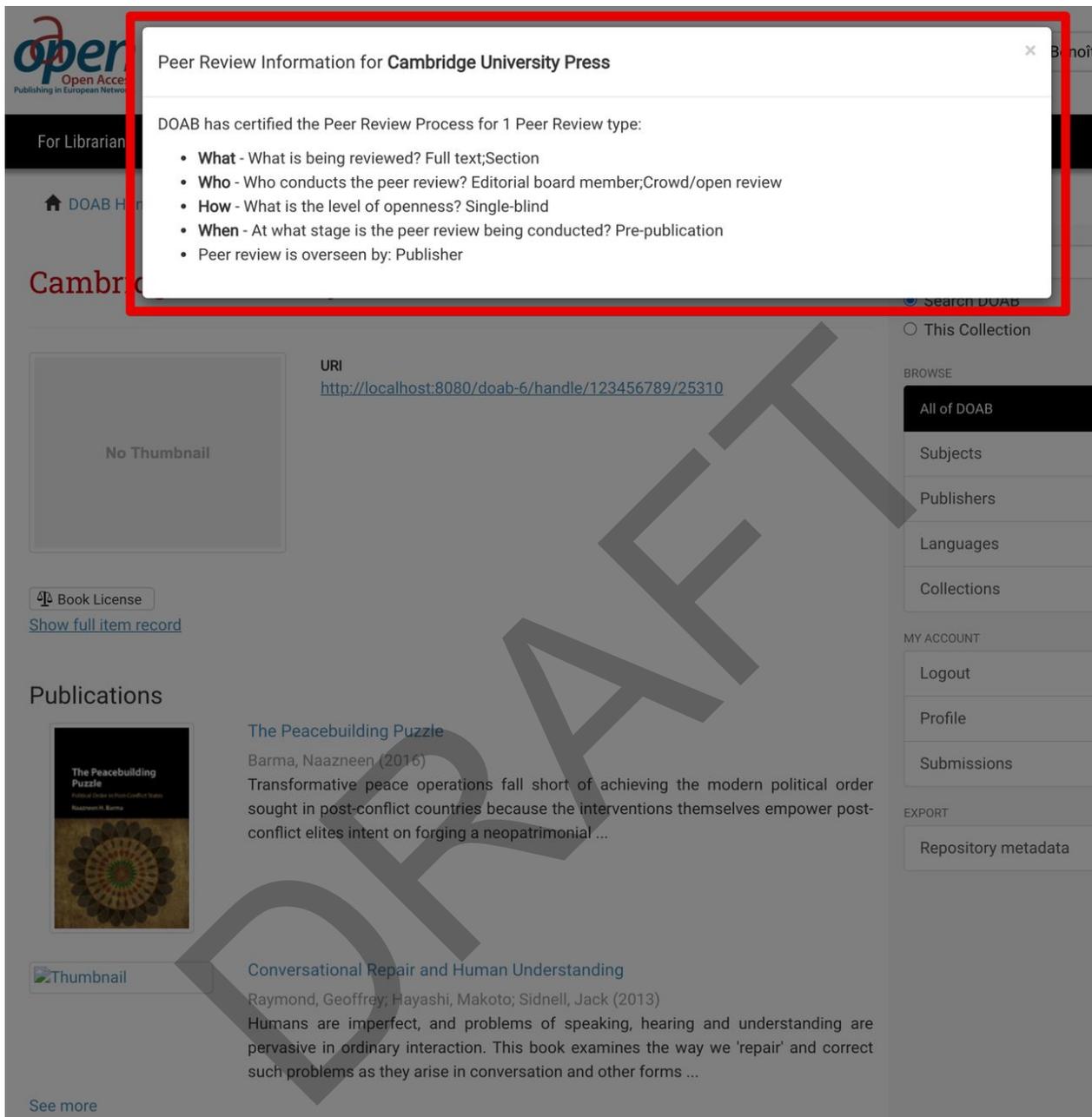
Figure 18: The popup detailed information of the Peer Review for the publisher (not final version)

Note: we recently decided to change the output of that API to make it consistent with the forms response. The content of the popups that show Peer Review details will change to reflect that decision, the version illustrated in the captures above is not the final one.

3. Peer review API

The information about a peer review can be retrieved from an API. The API is available at {DOAB URL}/rest/peerReviews.

This endpoint requires ONE of the following search parameters to perform a lookup:

Search parameter	Explanation
pUuid	Publisher UUID of a publisher that has been attached to an item that contains peer review information.
pId	Publisher legacy ID (from the old system) of a publisher that has been attached to an item that contains peer review information.
isbn	ISBN linked to an item that contains peer review information.
doi	DOI of an item that contains peer review information.
title	Publisher name of a publisher that can contain multiple peer reviews linked to the publisher.

Note: we recently decided to change the output of that API to make it consistent with the forms response. This is represented as mock-up output below, minor changes can still occur until the final version is released.

3.1 Example queries:

Query 1: {DOAB URL}/rest/peerReviews?pId=1244 (querying the publisher by its legacy ID):

```
{
  "peerReviews": [{
    "prOverseenBy": "Publisher",
    "prPublished": "No",
    "prConductedBy": ["Editorial board member", "Crowd/open review"],
    "prStage": "Pre-publication",
    "prId": "ff816895-7bb1-4423-9c65-036959676db1",
    "prType": "Single-blind",
    "prObject": ["Full text", "Section"],
    "prIconUrl": "https://dev2.atmire.com/dspace-doab-6/themes/Mirage2/im-
ages/prCertificate.png"
  }],
  "numberOfItems": 1,
  "glossary": {
    "p": "publisher",
    "b": "Book",
    "pr": "Peer Review"
  },
  "publisher": {
    "pId": "1244",
    "pName": "Cambridge University Press"
  }
}
```

Query 2: {DOAB URL}/rest/peerReviews?doi=10.123456/789 (querying the test book above by its DOI):

```json
{
  "peerReviews": [{
    "prOverseenBy": "Publisher",
    "prPublished": "No",
    "prConductedBy": ["Editorial board member", "Crowd/open review"],
    "prStage": "Pre-publication",
    "prId": "ff816895-7bb1-4423-9c65-036959676db1",
    "prType": "Single-blind",
    "prObject": ["Full text", "Section"],
    "prIconUrl": "https://dev2.atmire.com/dspace-doab-6/themes/Mirage2/images/prCertificate.png"
  }],
  "numberOfItems": 1,
  "glossary": {
    "p": "publisher",
    "b": "Book",
    "pr": "Peer Review"
  },
  "publisher": {
    "pId": "c8993eee-bd10-40e1-a40c-2c83dbb9e6bc",
    "pName": "Cambridge University Press"
  },
  "book": {
    "bIsbn": [],
    "bDoi": "10.123456/789",
    "bTitle": "Test book",
    "bUrl": null
  }
}
```