

Symplectic Repository Interoperability

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High level goals

- Make full-text openly accessible through automation and high user engagement
- Monitor and report on OA compliance and engagement
- Empower librarians to administer in their way

Deposit publication: PT-symmetric interpretation of unstable effective potentials

[< Return to the previous page](#)

i Lilliput University has an Open Access Policy for all Journal Article and Conference Papers accepted for publication since 1/1/2013.

When deposited your publication is available online in "Your Repository" and you can share the URL to promote your work.

Alternatively you can tell us where your publication is publicly available in another open access repository by entering the URL to the OA location.
If you have any questions, please contact your [repository administrator](#).

You are about to deposit this journal article to **RT2 DSpace for Demo4**. >

Deposit advice

Institutional advice | SHERPA / RoMEO advice

Please deposit the **"Accepted Version"** of your work. If copyright permissions allow **"Publisher Versions"** online the Repository Administrators will update the file.

The accepted version is the peer-reviewed, amended final version that is accepted for publication - you may also see it referred to as the 'author' version.

Please review the Sherpa/RoMEO advice for green journals on the next tab to assist with copyright and embargo guidance.

1. Prepare deposit (step 1 of 3)

1 external file has been selected:

 1506.01970v1.pdf
arXiv



[+ Upload another file](#) [+ Set an exception](#)

2. Add additional information (step 2 of 3)

I would like to specify an embargo:

I would like to specify a reuse licence:

Philosophies

Use open standards for open ecosystems

Work out of the box

Fit into existing library workflows

Repository platform agnostic

Simple to use

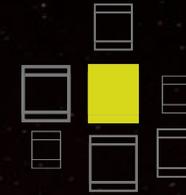
Long history of experience

RT1: first bidirectional CRIS/Repository integration at Imperial College (2009): DSpace repository deposits skyrocketed.

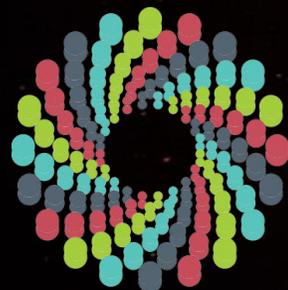
Improved and repeated across ~40 top universities. EPrints and Fedora 3 supported.

Based on RT1, the **SWORD 2** standard was developed and published by a Symplectic team member.

RT2: Second generation connectors released 2016, ~80 universities now on **RT1/RT2**. DSpace, EPrints, Figshare and Hyrax now all supported.



DSPACE



figshare
credit for all your research



Hyrax

Technical challenges, and their solutions

A smooth end-user experience

Platform-agnostic solution

Flexible 2-way data mappings

Work out of the box

Cater to conflicting stakeholders

Support multiple connected repositories

Report in one place

Don't overwhelm repository system

Technical challenge: a smooth end-user experience

Solved by implementing:

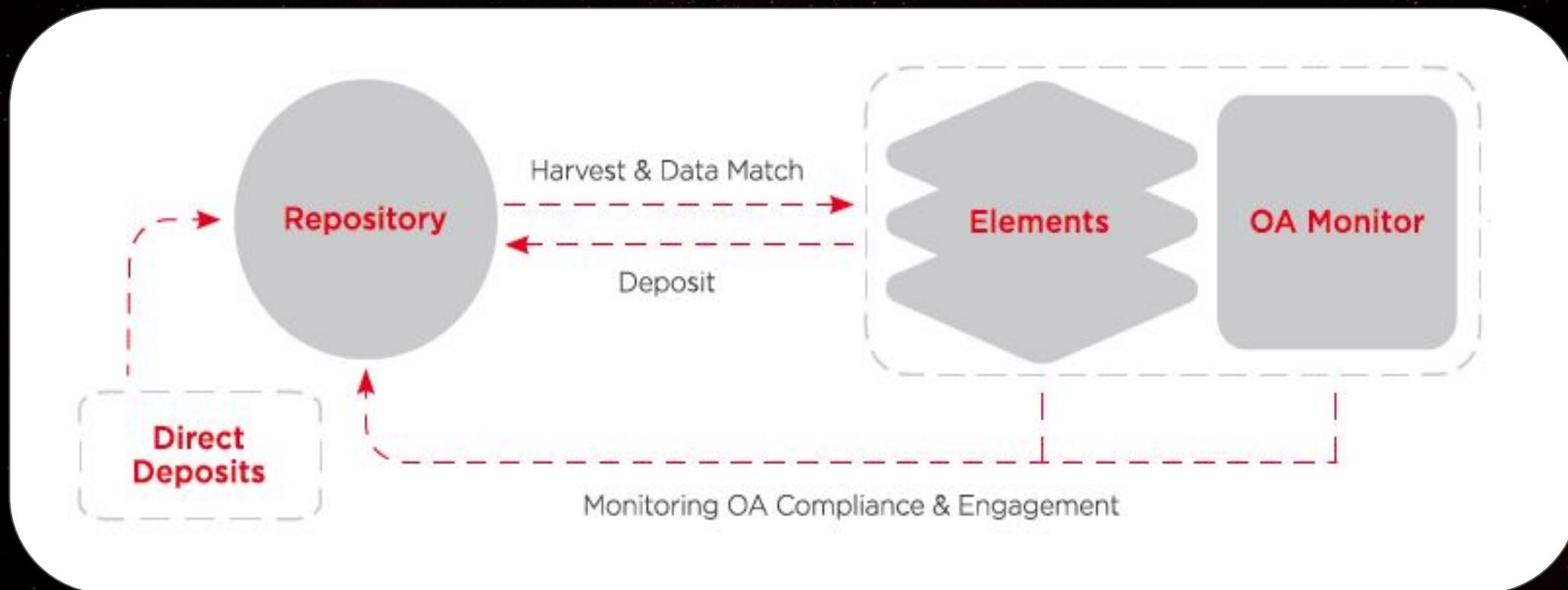
- real-time automatic 2-way metadata synchronisation
- A uniform experience for all supported repository platforms

The screenshot shows a user interface for depositing a publication. At the top, the title is "Deposit publication: PT-symmetric interpretation of unstable effective potentials" with a link to return to the previous page. A light blue information box contains text about Lilliput University's Open Access Policy and instructions on where to deposit the work. Below this, a progress indicator shows the user is about to deposit to "RT2 DSpace for Demo4". The main content is divided into two columns. The left column, titled "Deposit advice", has two tabs: "Institutional advice" (selected) and "SHERPA / RoMEO advice". The "Institutional advice" tab contains text about depositing the "Accepted Version" and a note about Sherpa/RoMEO advice. The right column shows the deposit process steps. Step 1, "Prepare deposit (step 1 of 3)", indicates that one external file has been selected: "1506.01970v1.pdf" from arXiv. There are links to "Upload another file" and "Set an exception". Step 2, "Add additional information (step 2 of 3)", includes checkboxes for "I would like to specify an embargo:" and "I would like to specify a reuse licence:".

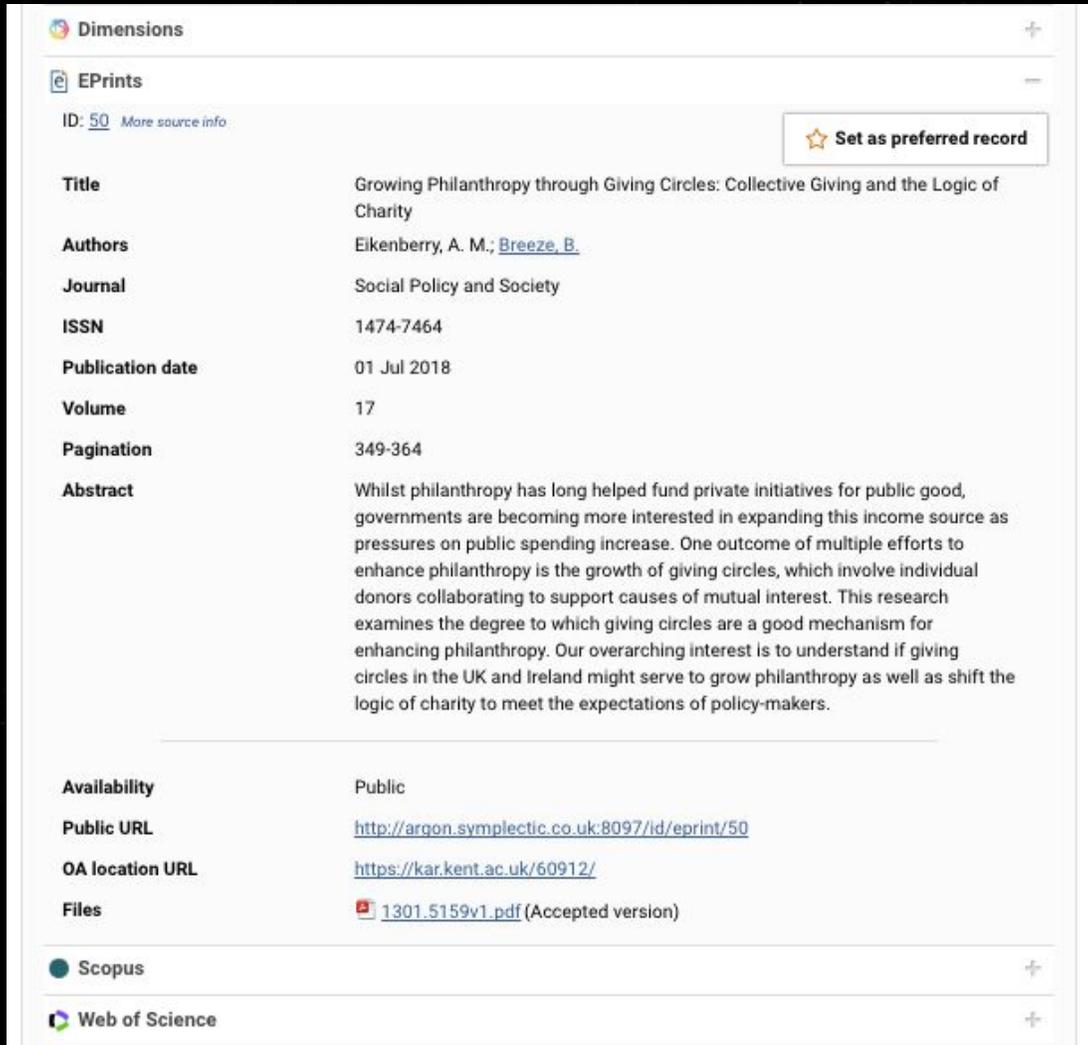
Technical challenge: platform-agnostic solution

Solved by abstracting repository capabilities into common interaction building blocks and using open standards

- Create, retrieve, update, list all, list modified, etc...
- Using SWORD 2, OAI-PMH and platform-specific extras



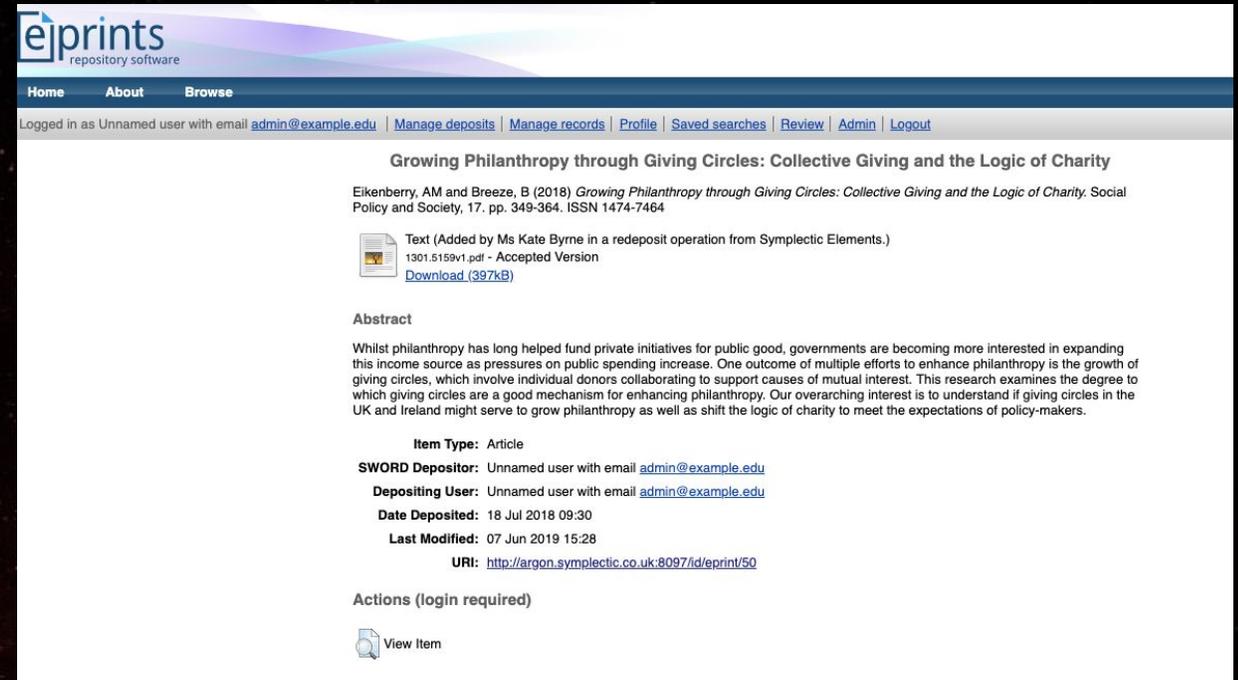
Technical challenge: flexible 2-way mappings



The screenshot shows the Dimensions EPrints interface for a record with ID 50. The record details are as follows:

Title	Growing Philanthropy through Giving Circles: Collective Giving and the Logic of Charity
Authors	Eikenberry, A. M.; Breeze, B.
Journal	Social Policy and Society
ISSN	1474-7464
Publication date	01 Jul 2018
Volume	17
Pagination	349-364
Abstract	Whilst philanthropy has long helped fund private initiatives for public good, governments are becoming more interested in expanding this income source as pressures on public spending increase. One outcome of multiple efforts to enhance philanthropy is the growth of giving circles, which involve individual donors collaborating to support causes of mutual interest. This research examines the degree to which giving circles are a good mechanism for enhancing philanthropy. Our overarching interest is to understand if giving circles in the UK and Ireland might serve to grow philanthropy as well as shift the logic of charity to meet the expectations of policy-makers.
Availability	Public
Public URL	http://argon.symplectic.co.uk:8097/id/eprint/50
OA location URL	https://kar.kent.ac.uk/60912/
Files	1301.5159v1.pdf (Accepted version)

Additional features include a "Set as preferred record" button, a "More source info" link, and integration options for Scopus and Web of Science.



The screenshot shows the eprints repository software interface for the same record. The record details are as follows:

Title	Growing Philanthropy through Giving Circles: Collective Giving and the Logic of Charity
Authors	Eikenberry, AM and Breeze, B (2018) <i>Growing Philanthropy through Giving Circles: Collective Giving and the Logic of Charity</i> . Social Policy and Society, 17. pp. 349-364. ISSN 1474-7464
Files	Text (Added by Ms Kate Byrne in a redeposit operation from Symplectic Elements.) 1301.5159v1.pdf - Accepted Version Download (397kB)
Abstract	Whilst philanthropy has long helped fund private initiatives for public good, governments are becoming more interested in expanding this income source as pressures on public spending increase. One outcome of multiple efforts to enhance philanthropy is the growth of giving circles, which involve individual donors collaborating to support causes of mutual interest. This research examines the degree to which giving circles are a good mechanism for enhancing philanthropy. Our overarching interest is to understand if giving circles in the UK and Ireland might serve to grow philanthropy as well as shift the logic of charity to meet the expectations of policy-makers.
Item Type	Article
SWORD Depositor	Unnamed user with email admin@example.edu
Depositing User	Unnamed user with email admin@example.edu
Date Deposited	18 Jul 2018 09:30
Last Modified	07 Jun 2019 15:28
URI	http://argon.symplectic.co.uk:8097/id/eprint/50

Additional features include a "View Item" button and a note that actions require login.

Deposit using either system. Records will automatically appear in both systems.

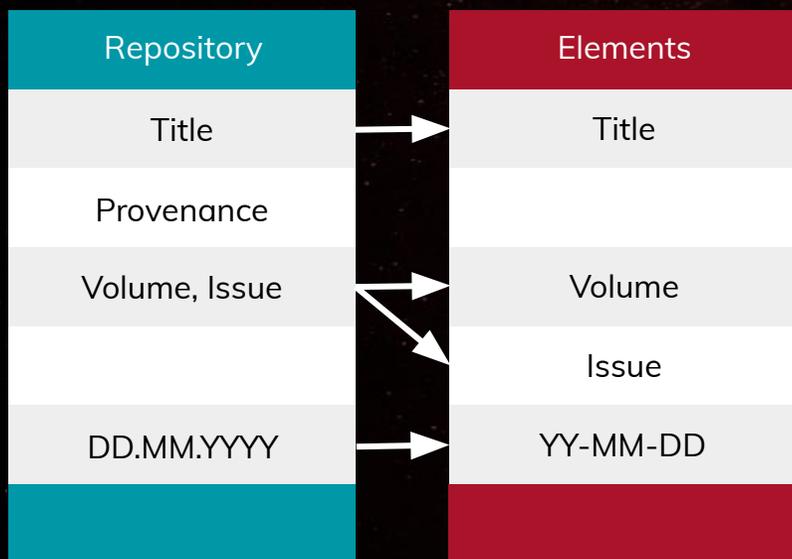
Use Elements to detect duplicates in your repository

Technical challenge: flexible 2-way mappings

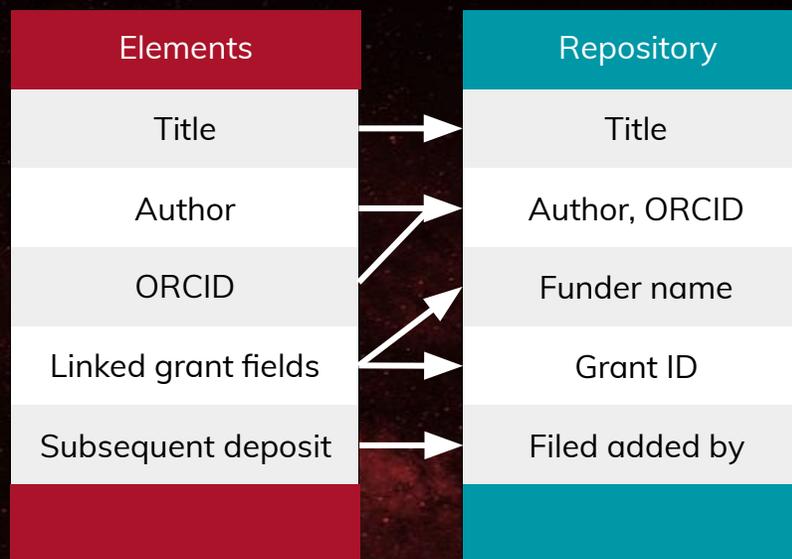
Solved by

- Inventing a powerful yet simple “xwalk” mapping language: no XSLT
- Exposing all Symplectic data faithfully
- Providing a self-service mapping editor and integrated test environment, with version control

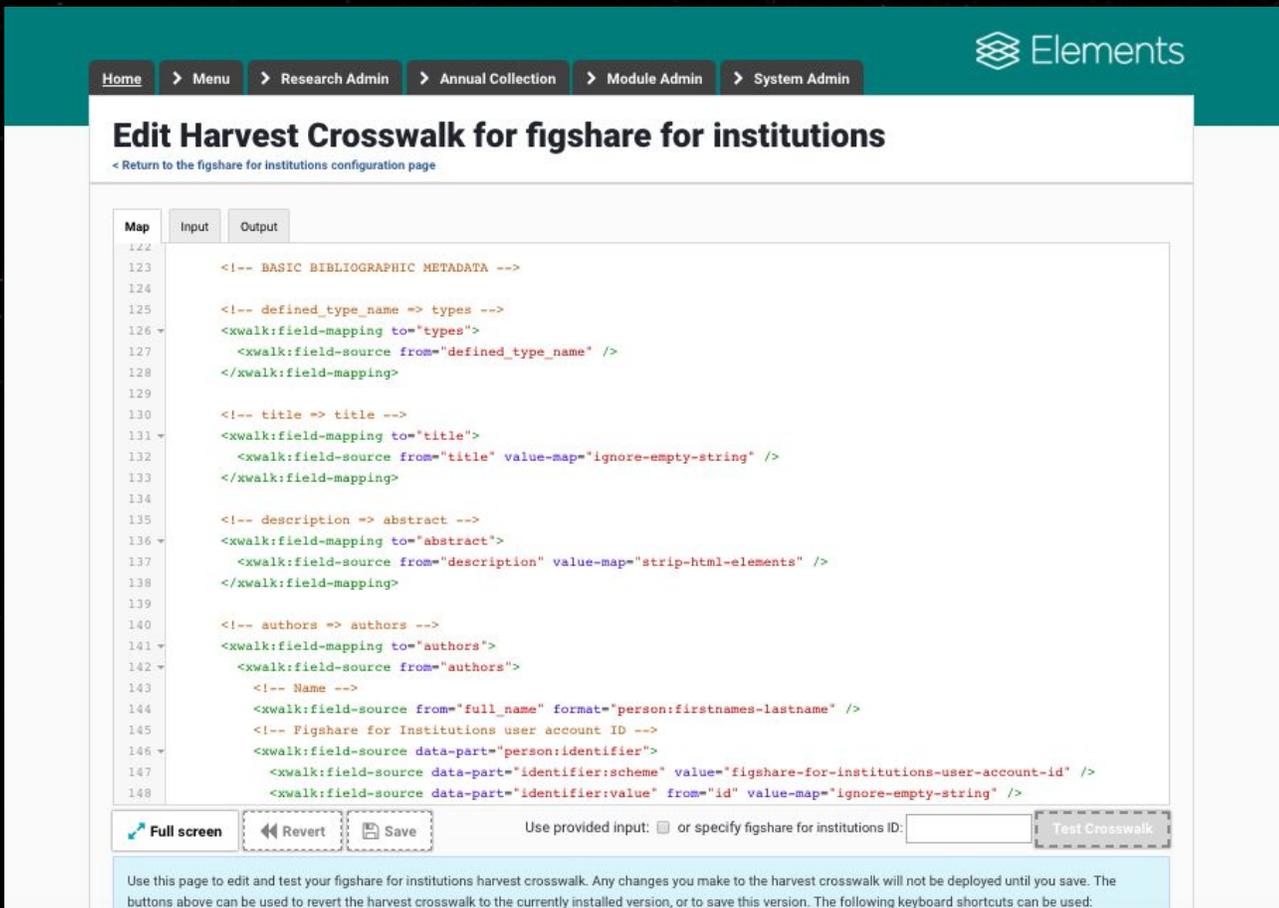
Harvest crosswalks



Deposit crosswalks



Technical challenge: flexible 2-way mappings



Home > Menu > Research Admin > Annual Collection > Module Admin > System Admin

Edit Harvest Crosswalk for figshare for institutions

< Return to the figshare for institutions configuration page

Map	Input	Output
122		
123		<!-- BASIC BIBLIOGRAPHIC METADATA -->
124		
125		<!-- defined_type_name => types -->
126		<xwalk:field-mapping to="types">
127		<xwalk:field-source from="defined_type_name" />
128		</xwalk:field-mapping>
129		
130		<!-- title => title -->
131		<xwalk:field-mapping to="title">
132		<xwalk:field-source from="title" value-map="ignore-empty-string" />
133		</xwalk:field-mapping>
134		
135		<!-- description => abstract -->
136		<xwalk:field-mapping to="abstract">
137		<xwalk:field-source from="description" value-map="strip-html-elements" />
138		</xwalk:field-mapping>
139		
140		<!-- authors => authors -->
141		<xwalk:field-mapping to="authors">
142		<xwalk:field-source from="authors">
143		<!-- Name -->
144		<xwalk:field-source from="full_name" format="person:firstnames-lastname" />
145		<!-- Figshare for Institutions user account ID -->
146		<xwalk:field-source data-part="person:identifier">
147		<xwalk:field-source data-part="identifier:scheme" value="figshare-for-institutions-user-account-id" />
148		<xwalk:field-source data-part="identifier:value" from="id" value-map="ignore-empty-string" />

Full screen Revert Save Use provided input: or specify figshare for institutions ID: Test Crosswalk

Use this page to edit and test your figshare for institutions harvest crosswalk. Any changes you make to the harvest crosswalk will not be deployed until you save. The buttons above can be used to revert the harvest crosswalk to the currently installed version, or to save this version. The following keyboard shortcuts can be used:

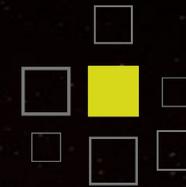
- Revert to any previous working version
- No custom plugins, code or configuration required in the repository
- Test and troubleshoot in seconds
- Fully supports all XML and JSON metadata standards, including CERIF, METS/MODS, and any proprietary/custom metadata extensions
- Persistent identifiers and funding metadata included

Technical challenge: work out of the box

Solved by:

- providing rich working default mappings for all supported systems
- working closely with repository platform development teams to influence the development of their APIs

Typical time to get up and running with a fully-functioning RT2 solution is ½ hour. Customers usually spend longer enabling their APIs.



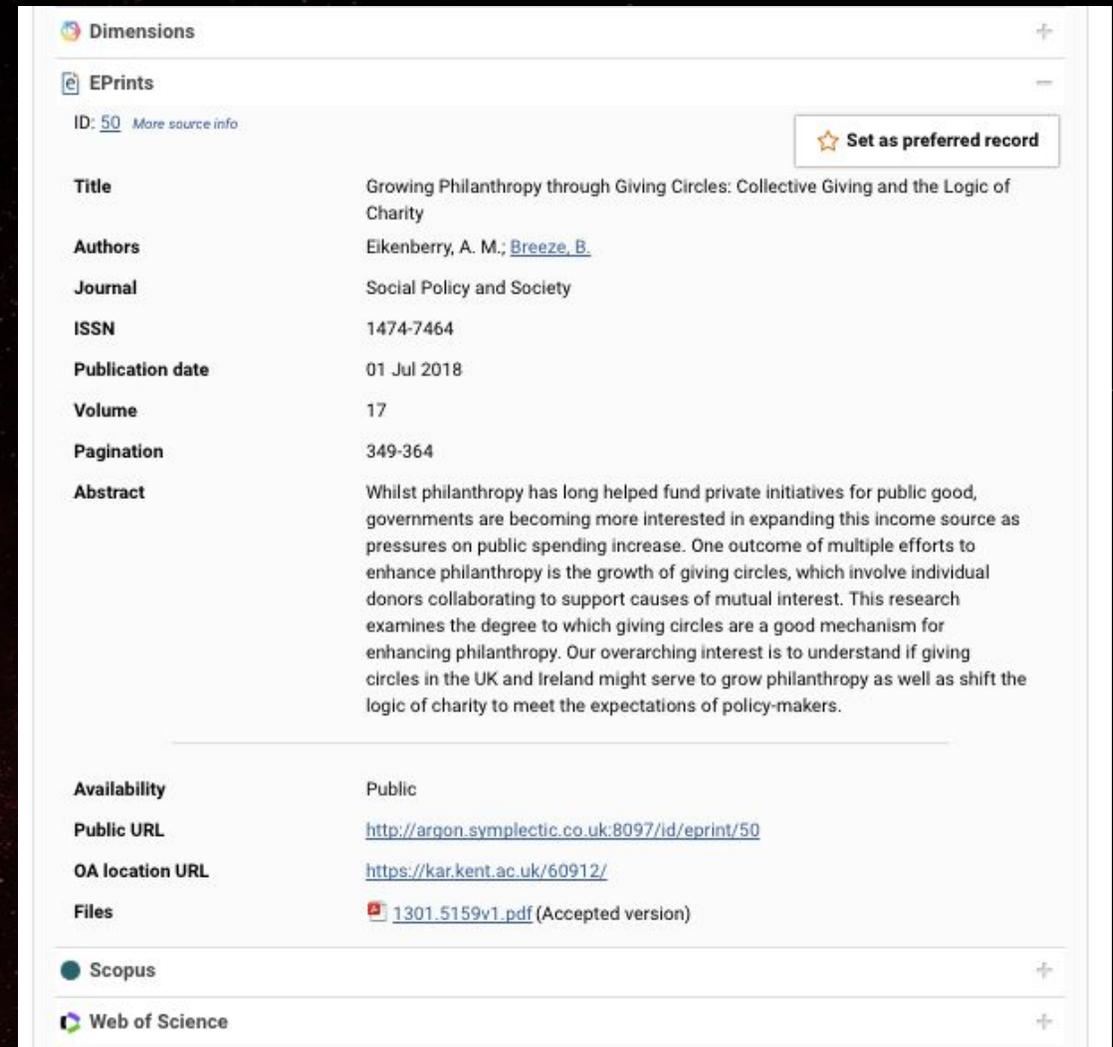
DSPACE



Technical challenge: cater to conflicting stakeholders

Solved by:

- Native support for multiple data sources: Librarians are free to edit repository data without fear of affecting data curated by other types of Symplectic user
- Librarians specify which repository fields Symplectic may and may not update, and under what circumstances
- Verification and curation can be performed either side, and by independent stakeholders, without conflict



The screenshot shows a record in the Dimensions EPrints system. At the top, it says 'Dimensions' and 'EPrints'. Below that, the ID is '50' with a link for 'More source info'. There is a button that says 'Set as preferred record'. The main content is a list of metadata fields:

Title	Growing Philanthropy through Giving Circles: Collective Giving and the Logic of Charity
Authors	Eikenberry, A. M.; Breeze, B.
Journal	Social Policy and Society
ISSN	1474-7464
Publication date	01 Jul 2018
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OA location URL	https://kar.kent.ac.uk/60912/
Files	1301.5159v1.pdf (Accepted version)

At the bottom, there are sections for 'Scopus' and 'Web of Science', each with a plus sign icon.

Technical challenge: support multiple institutional repositories

Chemistry DSpace +

Crossref +

EPrints +

Europe PubMed Central +

Figshare Full-text Repository +

Hyrax -

ID: f7623c56g ☆ Set as preferred record

Publication date 03 Dec 2014

Title Infinite class of PT-symmetric theories from one timelike liouville Lagrangian

Authors [Bender, C. M.](#); [Hook, D. W.](#); [Mavromatos, N. E.](#); [Sarkar, S.](#)
More about Authors: [Click to view additional information](#) about 4 people.

Journal Physical Review Letters

ISSN 0031-9007

DOI [10.1103/PhysRevLett.113.231605](https://doi.org/10.1103/PhysRevLett.113.231605)

Sub type(s) Journal Article

Volume 113

Issue 23

Abstract Logarithmic timelike Liouville quantum field theory has a generalized PT invariance, where T is the time-reversal operator and P stands for an S-duality reflection of the Liouville field ϕ ...

eISSN 1079-7114

Web of Science +

Woodford Lab DSpace +

Solved using native support for multiple data sources

- Multiple repositories of the same type
- And of different types

Seamless central reporting and oversight of Open Access and Open Data engagement across specialist or departmental repositories.

E.g.

- Figshare used as Open Data repository
- EPrints used as Open Access repository

Technical challenge: central reporting

Open Access policy settings

Changes in sections marked with will not take full effect until after the next full search re-index has completed (scheduled to begin at 15 Dec 2018 00:07:00). Please see the [indexer page](#) for more information. For these changes to be reflected in the reporting database, a full [reporting synchronisation](#) is required (scheduled to begin at 15 Dec 2018 00:07:00).

Open Access policy

Use this page to determine which publication types are included in your Institutional Open Access Policy and from what date. You can also set up policy exclusions based on when the user started at the institution. Publications that have been deposited for publication, but whose primary group is not associated with this policy, will not be included in your OA policy to email notifications.

Group to customise:

1. Select publication types to include

Which date would you like to be the primary date for these publications?
 Published Accepted

Request deposit for these publication types

- Artefacts
- Books
- Chapters
- Compositions
- Conferences

Publications in OA policy

OA Policy:

Results only include users whose primary group is associated with this policy.

[Refine by group\(s\) or user\(s\)](#)

Sort by: [Export all results](#)

10 results per page 1-10 of 275 Page: ...

Accepted	First deposit	Published	
N/A	N/A	03 Jul 2015	<input type="text" value="Non-compliant"/> <input type="text" value="Not deposited"/>

"Green (or apple-green) birefringence" of Congo red-stained amyloid [Q](#)

[Howie AJ](#)

No funding information

[send email](#)
[add exception](#)
[set library status](#)
[deposit](#)

A comparison of HMGB1 concentrations between cerebrospinal fluid and blood in patients with neurological disease [Q](#)

Walker LE, Griffiths MJ, McGill F, Lewthwaite P, Sills GJ, Jorgensen A, Antoine DJ, [Solomon T](#), Marson AG, Pirmohamed M

No funding information

[send email](#)
[add exception](#)
[set library status](#)
[deposit](#)

- Every connected repository's metadata faithfully pulled into a central and directly queryable reporting warehouse
- In-application custom reporting based on repository data
- Specialised 'OA Monitor' dashboards and reports, with support for multiple configurable OA policies
- Enable researcher prompts to deposit 'In policy' publications
- Identify 'OA champions'
- Manage article-level exceptions and opt-outs

Technical challenge: don't overwhelm repository system

Repositories only care about a **subset** of the metadata managed by a CRIS system. Most repositories cannot cope with the high rate of CRIS data changes seen at many of the larger universities.

Solution: downstream system specific “relevance” settings that automatically filter out uninteresting changes (and publications).

e.g. reduced load on UNSW Fedora 3 by > x100

Thank you

come and say hi