



symplectic
solutions for higher education



Symplectic Repository Tools

In this presentation

a brief guide to repository tools

the why of repository tools: benefits to academics,
administrators and institutions

a less brief guide to repository tools

the how of implementation

what
why
how



what

home | publications | administration | stats | settings | help logout

delegate | impersonate | user groups | my stats | library | library settings

File upload for this publication **Seamless Interface from Publications to Repository**

Publication summary

Journal

Summary Imperial authors (3) History (252) Web of Science Manual

doi: **Complexified dynamical systems.**
Holm DD, Hook DW, Bender CM
Journal of Mathematical Physics A - Mathematical and Theoretical 40(32) 10 Aug 2007
Author URL: <http://uk.arxiv.org/abs/0705.3893> Manual

Files

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[ComplexifiedDynamicalSystems.pdf](#) ✖

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Metadata: supplied by online sources

File upload: passes straight through to repository

Deposit licence

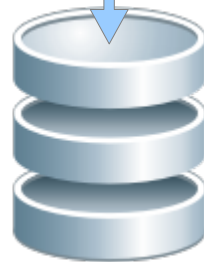
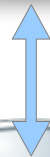
academic centric
management tools for
repository content



Publications Integration with the Repository

Benefits

Publications



Repository

Seamless interface from Symplectic Publications to your Repository



Researcher

No new interfaces for users to learn and organisations to deploy



Researcher



Organisation



Online sources feed Publications metadata

why



Benefits

No more manual metadata entry forms



Researcher

Improved accuracy and normalisation of metadata records



Administrator

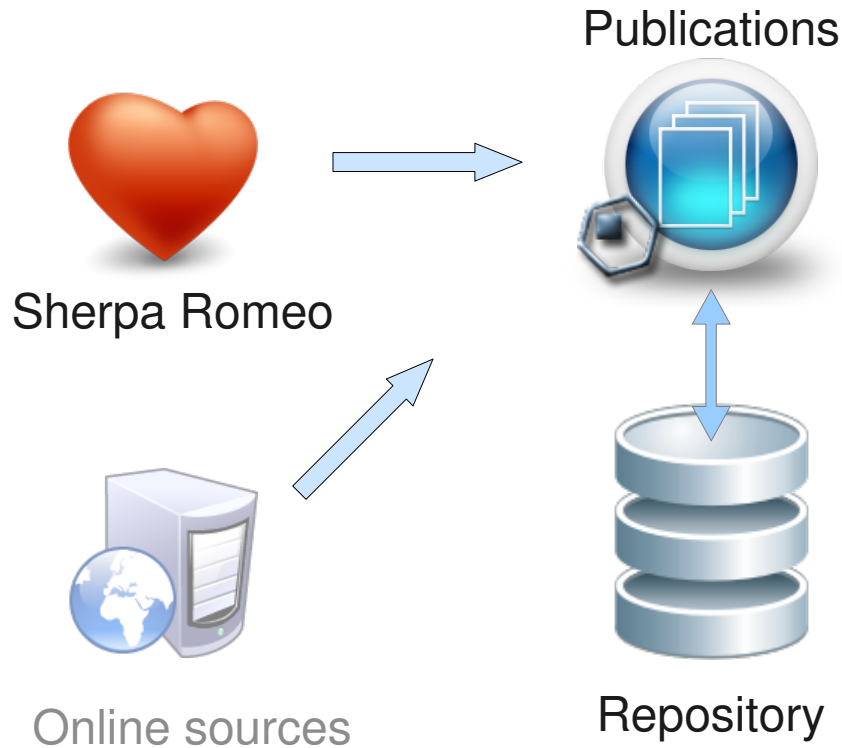


Organisation



Sherpa Romeo supplies copyright and self-archiving information

Benefits



Easily available copyright information and self-archiving guidance



Researcher

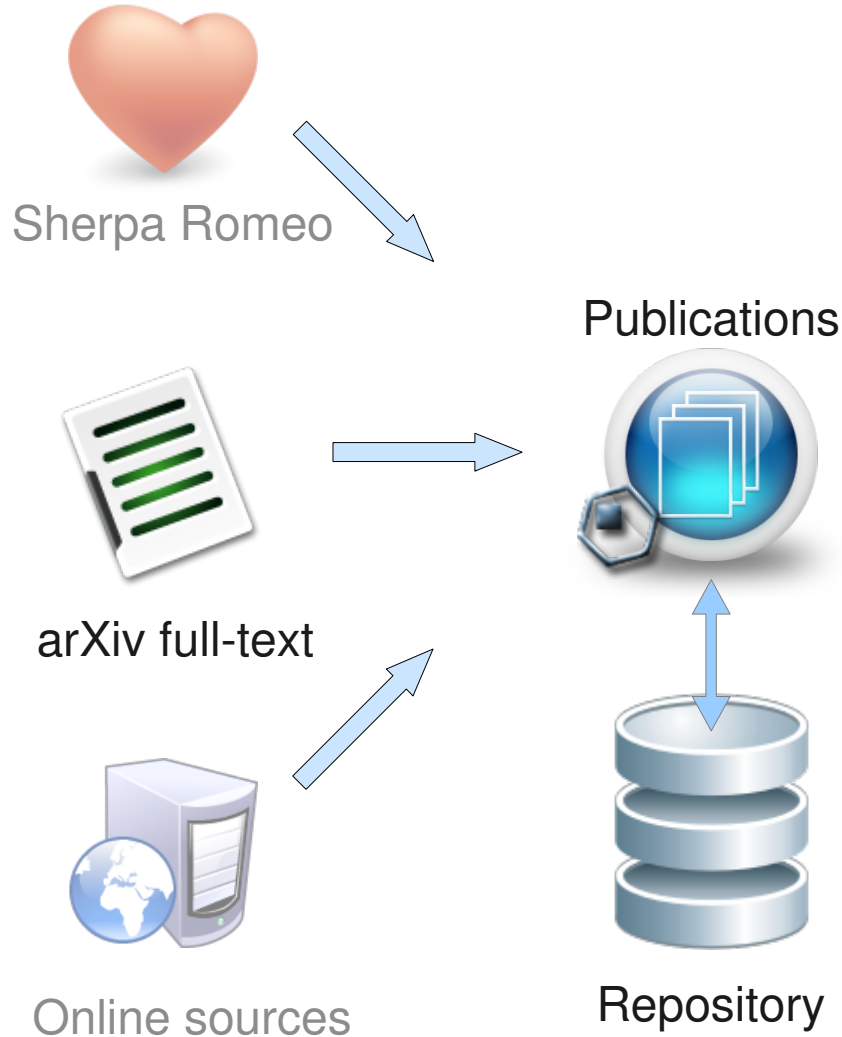


Administrator



why

Publications locates full-text in arXiv where possible



Benefits

Automatic full-text location and deposit where possible



Researcher

Augmentation of mediated deposit process



Administrator



Publications informs other institutional systems of useful repository-related information

Benefits



Research information and full-text content available from multiple points within the institution



Researcher



Organisation

arXiv full-text

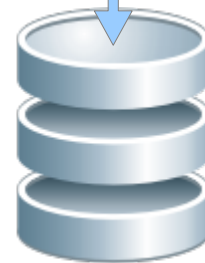


Online sources

Publications



Repository



Other Institutional Systems



e.g. Academic Web Pages



Publications can offer reporting on research in a variety of ways

Benefits



Research metrics augmented



Organisation

Repository statistics augmented

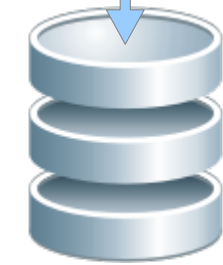
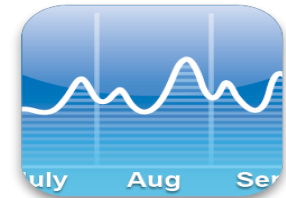


Administrator

Publications



Reporting



Repository



Other Institutional Systems



Publications can offer reporting on research in a variety of ways

Benefits



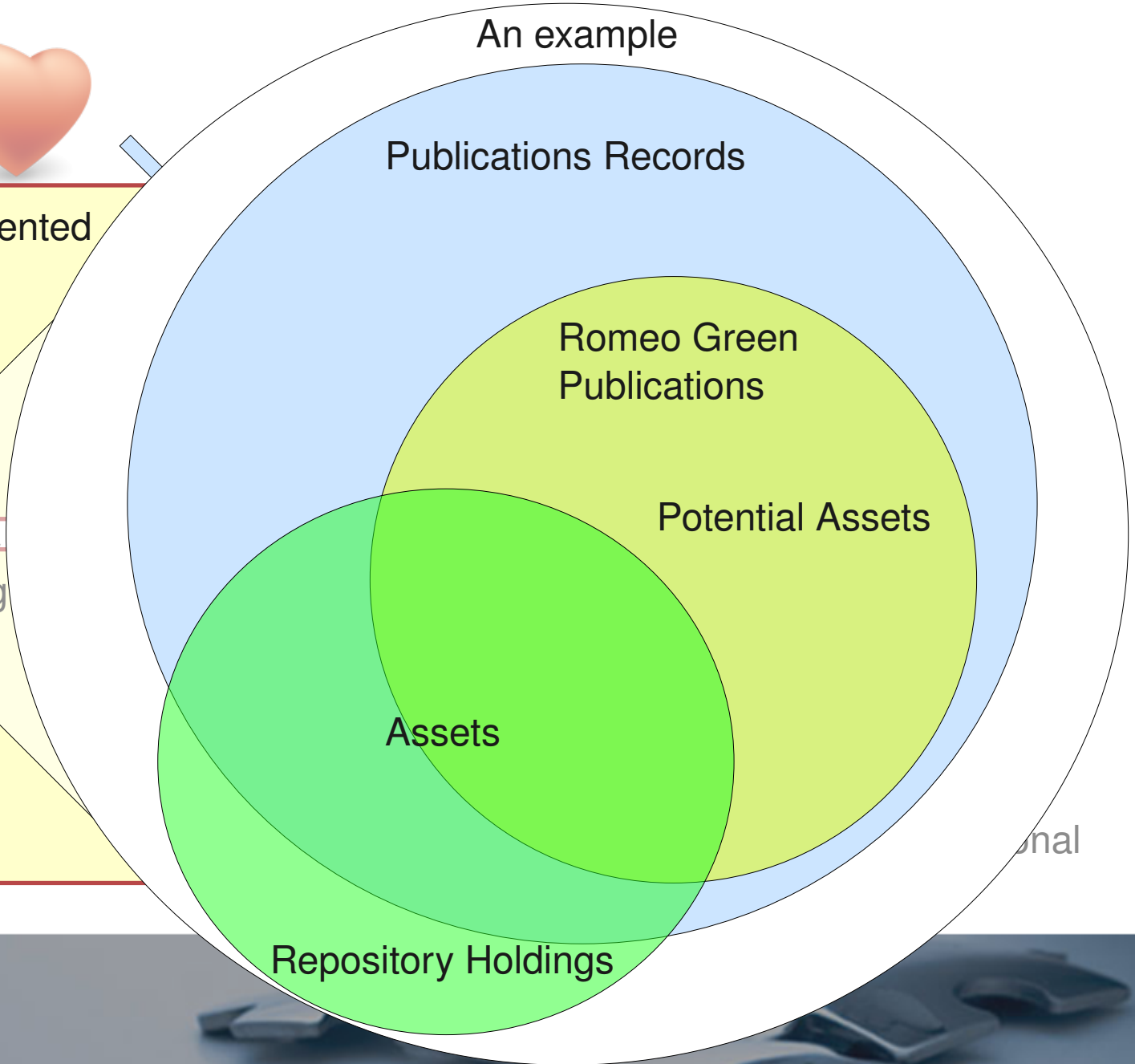
Research metrics augmented

Repository statistics augmented

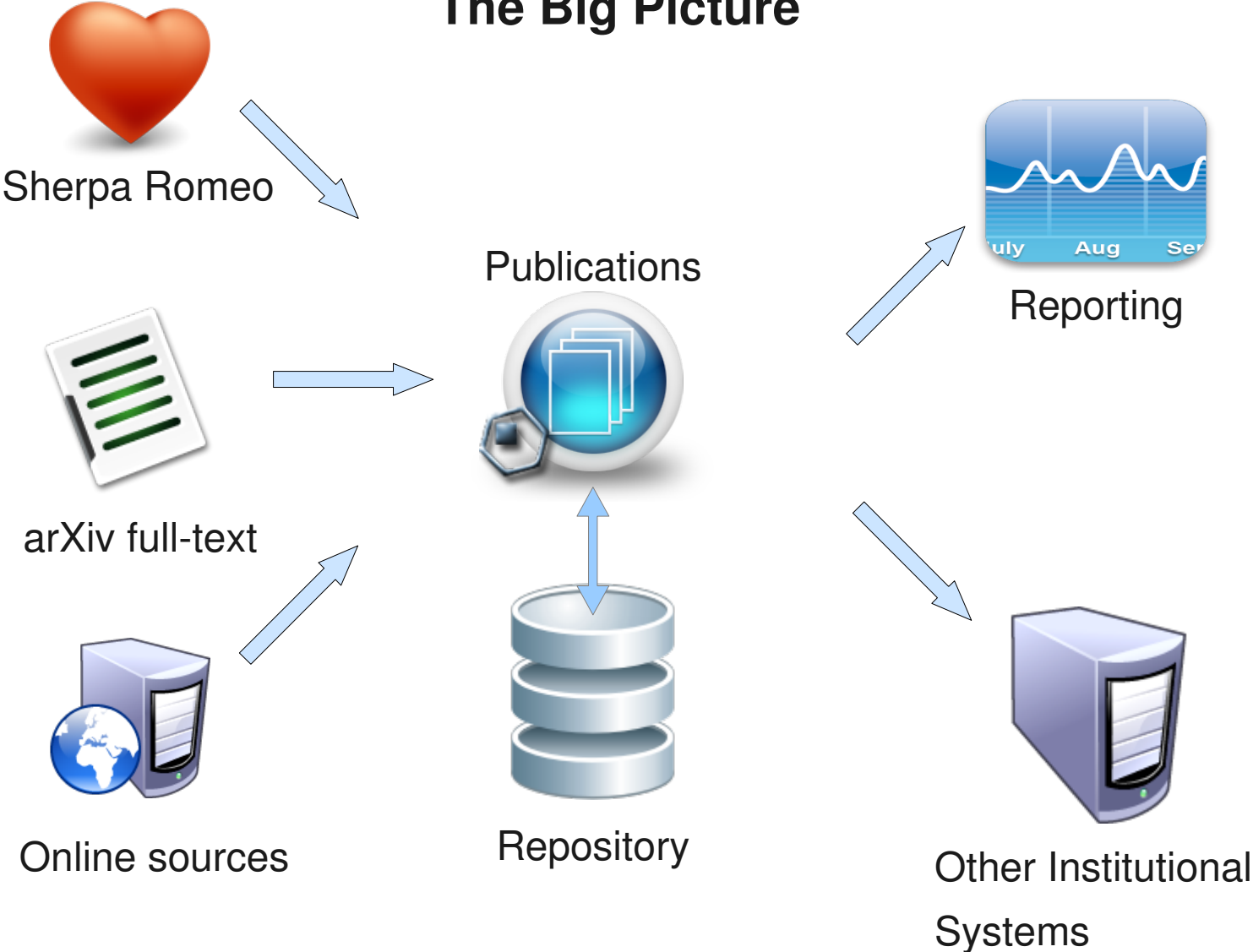


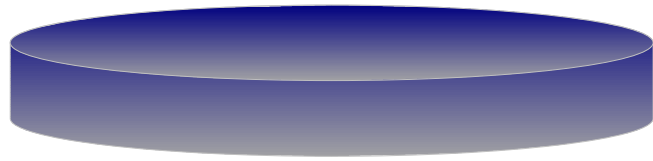
Administrator

An example



The Big Picture





Publications UI

home | publications | administration | stats | settings | help logout

delegate | impersonate | user groups | my stats | library | library settings

File upload for this publication

Publication summary

Journal

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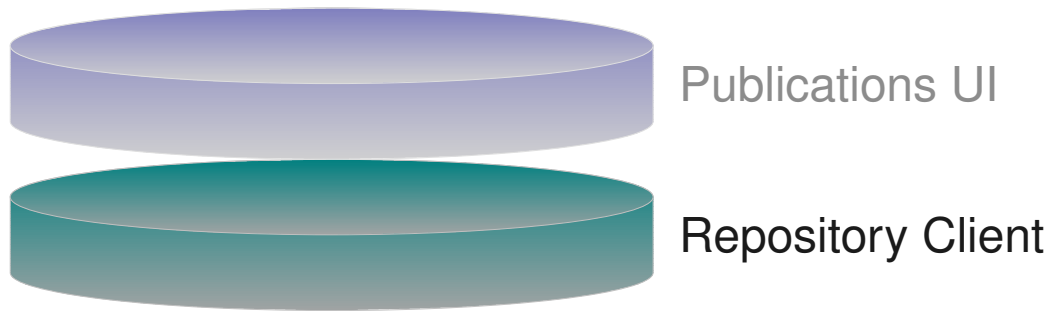
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Manages communication between
Publications and the Repository

Individual publication operations:

- File deposit/delete
- Licence grant/revoke
- Publication details

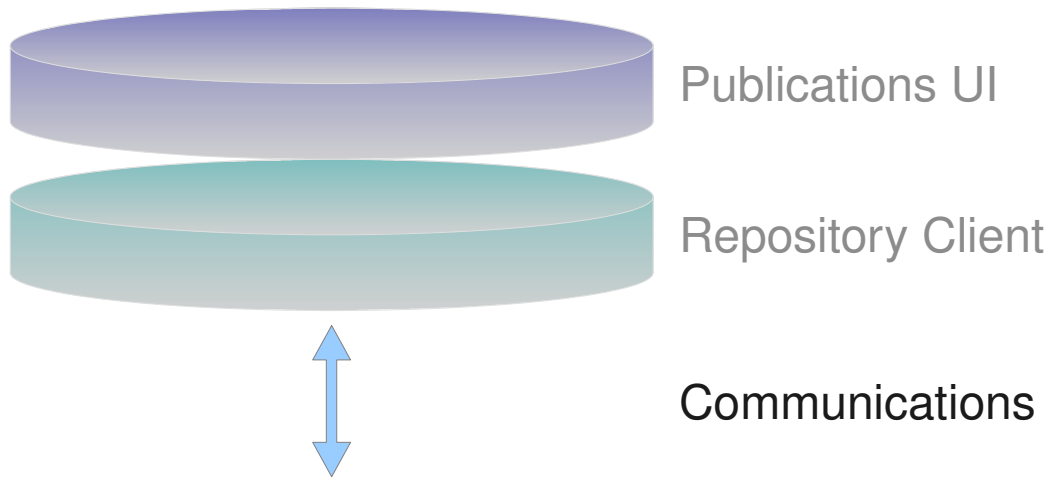
Batch publication operations:

- Get repository holdings

Batch repository operations:

- Changes to publications
- Publication metadata

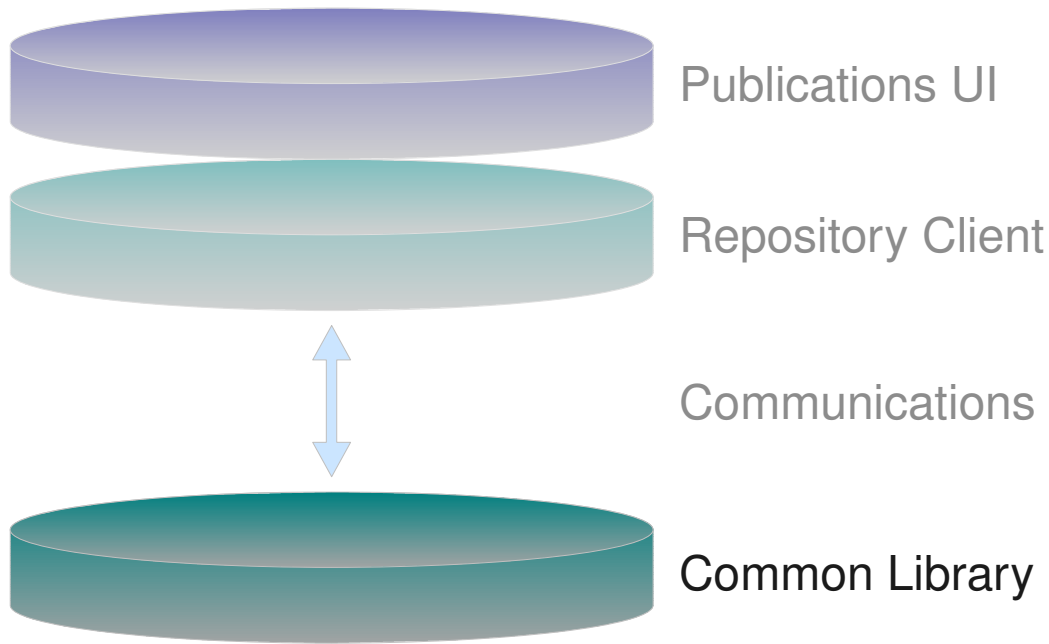




- ATOM**
- Feed describes publication
 - Entry describes bibliographic records

- SWORD**
- Headers used for authentication
 - Deposit only, no service documents
 - Compliant response documents and HTTP codes



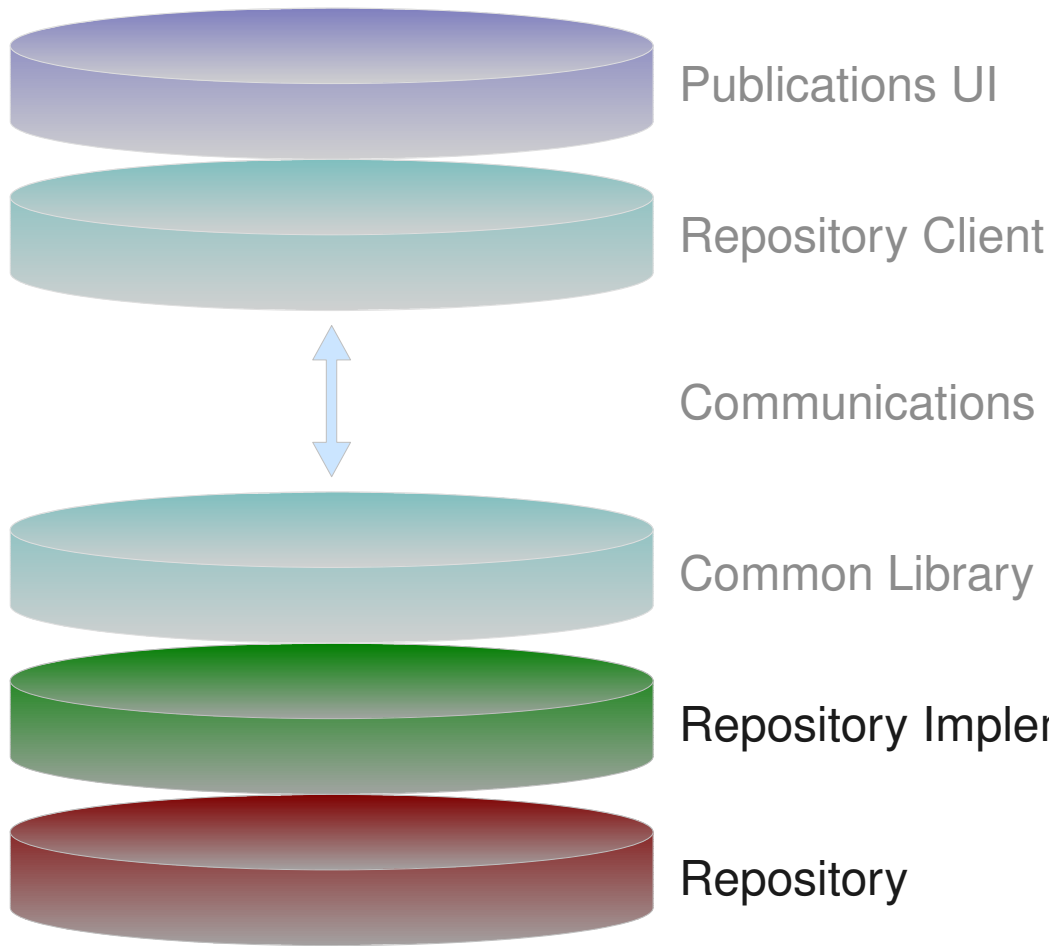


Converts requests into and out of SWORD and ATOM

Provides the repository with an interface and an object model

Optional. Repositories may choose to bypass the common library



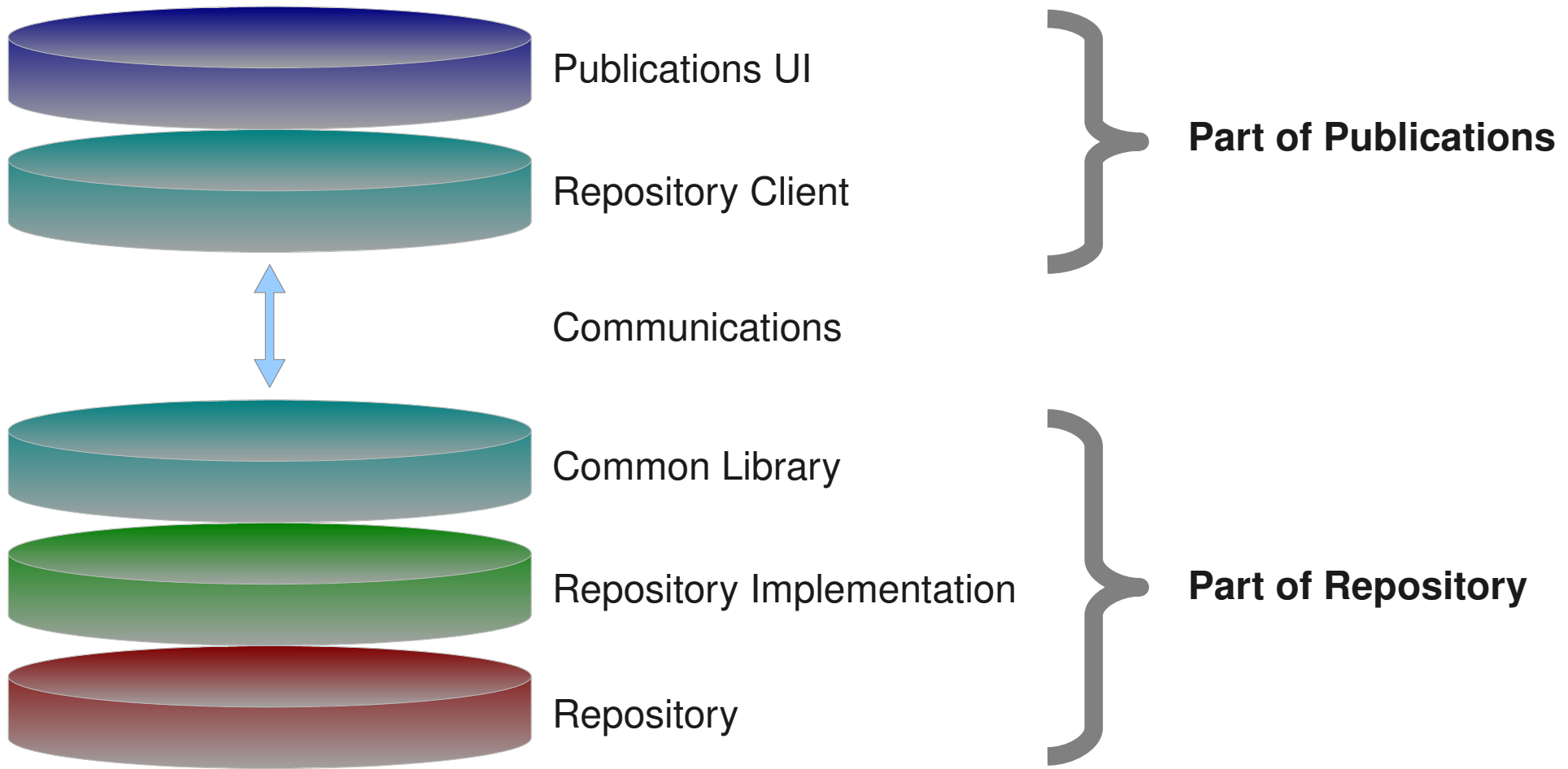


Implements the Common Library interfaces

Specifies exactly how the repository copes with incoming publications



what



How the default install happens

configure the module to your local needs

customise the metadata ingest

re-deploy the repository with the module installed

match and register items which already exist in
both Publications and the repository



How to customise the implementation

use the test client we can give you to simulate requests from Publications

re-implement or extend the default repository implementation using the common library

get rid of the common library all-together, and write your own web services



Repositories we are integrating with



Service providers we are working with

Digital Commons

Ex Libris : DigiTool

intrallect : intraLibrary

Open Repository





symplectic
solutions for higher education

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