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# Apollo – Cambridge IR Upgrade experiences

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DSpace UK & I User Group Meeting  
Cambridge, 17 May, 2017

- **Upgrade overview**
- Repository integrations
  - Symplectic Elements
  - ORCID
  - DataCite
- Questions and discussion

- DSpace 3.x
- XMLUI Mirage theme
- Local customisations

The screenshot displays the DSpace 3.x XMLUI Mirage theme interface for the University of Cambridge Faculty of Education repository. The header includes the University of Cambridge logo, the DSpace @Cambridge logo, and navigation links for 'Repository Home' and 'Faculty of Education'. A search bar is located below the header, with a 'Go' button. The main content area is titled 'Faculty of Education' and features a 'Browse by' section with links for Authors, Titles, Subjects, and Type. Below this is a search bar with a 'Go' button. The 'Sub-communities within this community' section lists 'Project Collections - Education'. The 'Collections in this community' section lists 'Scholarly works - Education' and 'Theses - Education'. The 'Recent Submissions' section displays a list of items, with the first item being 'Difficulties in number experienced by children aged 7 to 11 in public care in England' by Griffiths, Rose, dated 2014-11-11. The right sidebar contains several sections: 'Help' with links for Help Pages, Browse support pages, Email (support@repository.cam.ac.uk), and Contact Us; 'Search the Repository' with a search bar and a 'Go' button, and radio buttons for 'Search the Repository' and 'This Collection'; 'Browse' with links for All of the Repository, Communities & Collections, Authors, Titles, Subjects, and Type; 'This Community' with links for Authors, Titles, Subjects, and Type; 'My Account' with a 'Login' link; and 'Discover' with a list of authors and their counts, including Allen, Louisa Elizabeth (1), Antonova, Panayotis (1), Basil, Tehmina Naz (1), Beauvais, Clementine (1), Brena, Madeline (1), Breckon, P. (1), Denmead, Ivor (1), Donon, Rex (Calvin) (1), Fisher, Linda (1), Forbes, Karen (1), and a 'View More' link.

<http://repository.cam.ac.uk>

The screenshot shows the homepage of the Apollo - University of Cambridge Repository. At the top left is the University of Cambridge logo. Below it is the 'Apollo Home' link and the Apollo logo (a lyre). A search bar is located on the right, with the text 'Search Apollo' and a magnifying glass icon. Below the search bar is a link to 'Advanced search'. The main heading is 'Apollo - University of Cambridge Repository'. Below this is a brief description: 'This repository holds the research output of members of the University of Cambridge. It is delivered and managed by the University Library's Office of Scholarly Communication team.' The page is divided into a left sidebar and a main content area. The sidebar has a 'Browse' section with 'All of Apollo' and several expandable categories: 'Communities & Collections', 'Authors', 'Titles', 'Subjects', and 'Type'. Below this is a 'Statistics' section with a 'View Usage Statistics' link. The main content area features a grid of six categories, each with a representative image and a caption: 'School of Arts and Humanities' (manuscript), 'School of Clinical Medicine' (microscopic cells), 'School of Technology' (circuit board), 'School of the Biological Sciences' (microscopic cells), 'School of the Humanities and Social Sciences' (map), and 'School of the Physical Sciences' (galaxy). At the bottom right, there is an orange button that says 'Share your research'. The bottom row also includes 'Colleges' (manuscript) and 'Other Communities' (manuscript).

“Mission Open Access: the Apollo repository launches”

28 October 2016 <https://unlockingresearch.blog.lib.cam.ac.uk/?p=1156>

- Gradual upgrade from v3.x to v5.x (5.6)
- UI upgrade to XMLUI Mirage2 theme
  - Reorganisation of communities/collections
  - Customised repository pages and item display
- Enabled Solr-based statistics
  - Atmire's IRUS-UK statistics module
- Enabled "Request a copy" feature
- Enabled DOI registration (via DataCite)


The screenshot displays the front page of the Apollo - University of Cambridge Repository. The header features the University of Cambridge logo and the text "UNIVERSITY OF CAMBRIDGE". Below this, a teal navigation bar contains "Apollo Home", the "Apollo" logo, a search bar with the text "Search Apollo" and a magnifying glass icon, and a link for "Advanced search".

The main content area is titled "Apollo - University of Cambridge Repository" and includes a descriptive paragraph: "This repository holds the research output of members of the University of Cambridge. It is delivered and managed by the University Library's Office of Scholarly Communication team."

A left-hand navigation menu is titled "Browse" and lists several categories: "All of Apollo", "Communities & Collections", "Authors", "Titles", "Subjects", "Type", "Statistics", and "View Usage Statistics". A red box highlights the "Statistics" section, and a red arrow points from it to the "School of Arts and Humanities" community card.

The "Communities" section is titled "Communities" and includes the instruction "Select a community to browse its collections." Below this, there is a grid of community cards, each with a representative image and a title: "School of Arts and Humanities" (manuscript), "School of Clinical Medicine" (microscopic cells), "School of Technology" (circuit board), "School of the Biological Sciences" (microscopic structure), "School of the Humanities and Social Sciences" (map), "School of the Physical Sciences" (galaxy), "Colleges" (book covers), and "Other Communities" (wooden planks). A "Share your research" button is located in the bottom right corner of the grid.

Apollo Home / School of Technology



Apollo

Advanced search

Browse

**All of Apollo**

- > Communities & Collections
- > Authors
- > Titles
- > Subjects
- > Type

**This Community**

- > Authors
- > Subjects
- > Type

Discover

**Author**

- > Hofmann, Stephan (36)
- > Lees, Janet M. (36)
- > Penty, R. V. (36)
- > White, I. H. (34)
- > Wells, G N (33)
- > ... View More


**Subject**

- > rheology (28)
- > birefringence (25)
- > multi-pass rheometer (25)
- > cross-slot flow (19)
- > high density polyethylene (19)
- > ... View More

**Type**

- > Article (2134)

## School of Technology



**About this community**

The mission of the School of Technology is to provide a focus and framework for its constituent departments to formulate and express views pertinent to technology, methods and processes, both within and without the University, recognising that technology has its own priorities and its own criteria for success: above all, technology departments recognise a duty to influence and be influenced by society at large and to work towards the creation of wealth and an improved quality of life. Institutions within the School are: the Department of Chemical Engineering and Biotechnology, the Computer Laboratory, the Department of Engineering, Judge Business School and the Cambridge Institute for Sustainability Leadership.

Find out more about the School of Technology at <http://www.tech.cam.ac.uk/>.

**Sub-communities within this community**

- Department of Chemical Engineering and Biotechnology**  
Includes research areas relevant to food, pharmaceuticals, water, energy and polymers (i.e. most aspects of our everyday life) and is centrally concerned with sustainable development and the related issues of safety, health ...
- Department of Engineering**
- Faculty of Computer Science and Technology**  
Current research areas include bioinformatics, computer architecture, computer vision, distributed systems, graphics and human-computer interaction, logic and semantics, machine learning, natural language processing, ...
- Judge Business School**

BROWSE BY

Authors Titles Subjects Type

Search within this community and its collections:




**Recent Submissions**

**It is normal to be different: Applying inclusive design in industry**

Hosking, IM; Waller, SD; Clarkson, PJ [Oxford University press, 2010-11-01]

This paper describes the case for inclusive design developed by the Engineering Design Centre, University of Cambridge. This is based on 10 years experience researching inclusive design and promoting it in industry. The ...

## It is normal to be different: Applying inclusive design in industry



**View / Open Files**  
Accepted version (PDF, 448Kb)

**Authors**  
Hosking, IM  
Waller, SD  
Clarkson, PJ

**Publication Date**  
2010-11-01

**Journal Title**  
Interacting with Computers

**ISSN**  
0953-5438

**Publisher**  
Oxford University press

**Volume**  
22

**Issue**  
6

**Pages**  
496-501

**Citation**  
Hosking, I., Waller, S., & Clarkson, P. (2010). It is normal to be different: Applying inclusive design in industry. *Interacting with Computers*, 22 (6), 496-501. <https://doi.org/10.1016/j.intcom.2010.08.004>

**Abstract**  
This paper describes the case for inclusive design developed by the Engineering Design Centre, University of Cambridge. This is based on 10 years experience researching inclusive design and promoting it in industry. The approach is a pragmatic one, bridging from where many companies currently are to a more inclusive approach. This paper uses the starting point that 'it is normal to be different' with regards to a person's capabilities, in order to reframe the argument from a disability focus to one that examines population diversity as a whole. A practical commercial response to this diversity is described by representing capability variation using traditional market segments and personas. Finally different design responses are discussed that address the range of capabilities in the population.

**Subjects**  
Inclusive Design, business case, diversity, disability

**Sponsorship**  
This work was supported by the EPSRC funded i-design research programme (Reference: EP/D079322/1) and KT-EQUAL knowledge transfer activity (Reference: EP/G030898/2).

**Identifiers**  
**External DOI:** <https://doi.org/10.1016/j.intcom.2010.08.004>  
**This record's URL:** <https://www.repository.cam.ac.uk/handle/1810/264241>

**Engagement:**  
1 Tweeted by 1  
43 readers on Mendeley

**Rights**  
**Licence:** <http://www.riox.net/licenses/all-rights-reserved>



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Unknowns, Black Swans and the risk/uncertainty distinction

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- All files (of this document) in restricted access.  
 Only the requested file.

**Message:**

Request a copy

- We are receiving more than 300 requests per month
- 45% of those requests are for items that have not been published yet

- Upgrade overview
- **Repository integrations**
  - **Symplectic Elements**
  - **ORCID**
  - **DataCite**
- Questions and discussion



## OA publications

In-house submission form



## Research datasets

External submission form



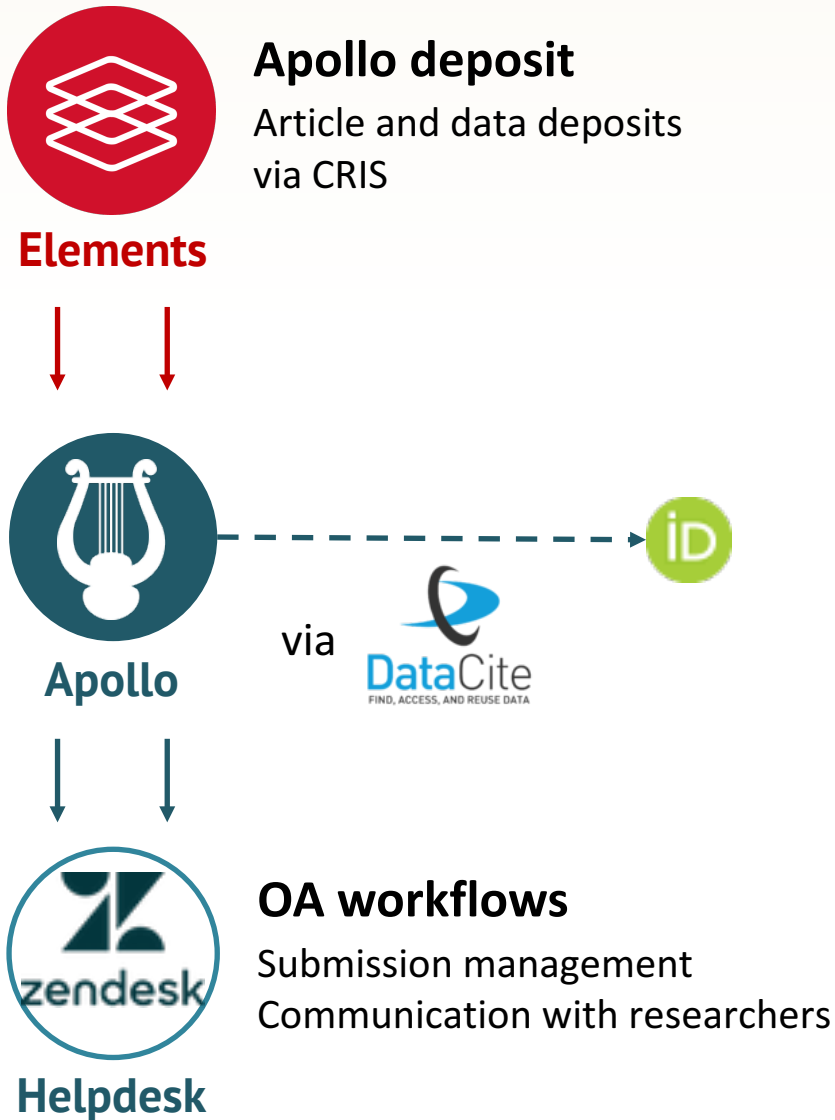
## Apollo repository

Manual deposit of articles and data into the repository



## CRIS system - REF

Add / claim publications and link to research grants



## Integration points

### DSpace – Elements

Repository Tools 1 connector  
Customised metadata crosswalks  
Automatic metadata updates

### DSpace - Helpdesk

Helpdesk tickets creation / update

## Benefits

### Enhanced reporting

OA monitor: compliance data  
available from a single source

### Enhanced visibility of outputs

DOI registration

Populated ORCID profiles

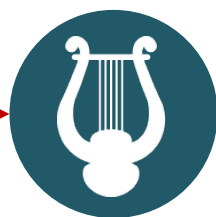
- Currently not using DSpace's ORCID authority registry
  - Author names in metadata (**lots of duplicate entries!**)
- So instead...

### 1. Authors' ORCIDs

Via the repository feed



Elements



Apollo

### 3. ORCID Profiles

Works pushed by DataCite



### 2. DOI registration

nameIdentifiers sent to DataCite

i.e. ORCID information

- DataCite and Crossref events data (Beta)
  - <https://www.datacite.org/eventdata.html>
  - <https://www.crossref.org/services/event-data/>
  - **Scholarly Link eXchange** ([Scholix](#)) framework
- Enhanced repository crosswalks
  - Using latest version of the schema (4.0)
  - Relationships between data and publications (relatedIdentifiers)
    - Cites / IsCitedBy and IsSupplementedBy / IsSupplementTo

<https://search.datacite.org/works/10.17863/CAM.4584>

## Papers, policy documents and patterns of attention

Lauren Cadwallader

Conference Object published 2016 via Apollo - University of Cambridge Repository

This poster was presented at 3:AM The Altmetrics Conference. Conference information can be found here:  
<http://altmetricsconference.com/>.



Is supplemented by <sup>①</sup>

<https://doi.org/10.17863/CAM.4844>  Cite

### 1 Related Work

## Research data supporting "Papers, policy documents and patterns of attention"

Lauren Cadwallader & Altmetric.Com

Dataset published 2016 via Apollo - University of Cambridge Repository

This is the Altmetric.com data for the set of journal articles used in this research. The data was provided by Altmetric.com, a research metrics company who track and collect the online conversations around millions of scholarly outputs. Altmetric continually monitors a variety of non-traditional sources to provide real-time updates on new mentions and shares of individual research outputs, which are collated and presented to users via Altmetric.com. The data was collated on the 15/08/2016. Any...



Is supplement to <https://doi.org/10.17863/CAM.4844>

<https://doi.org/10.17863/CAM.4584>  Cite

<https://search.datacite.org/works/10.17863/CAM.6762>

## Research data supporting "High-Rate Intercalation without Nanostructuring in Metastable Nb<sub>2</sub>O<sub>5</sub> Bronze Phases"

K Griffith, AC Forse, JM Griffin & CP Grey

Dataset published 2016 via Apollo - University of Cambridge Repository

Bond valence sum data calculated in BVSMapper by Max Avdeev at ANSTO, Australia; details in article. MAS NMR data on <sup>6</sup>Li and <sup>7</sup>Li in a static magnetic field of 4.7 T or 16.4 T, at room temperature and VT up to 425 K, EXSY spectra with mixing times as denoted in the title of and within each file, pseudo2D T<sub>1</sub> saturation recovery files. All collection parameters in the article and data file. Electrochemical cycling data...



Is supplement to [1](#)

<https://doi.org/10.17863/CAM.6762>  Cite



Thanks!