Enabling open research practices - connecting Octopus with research repositories

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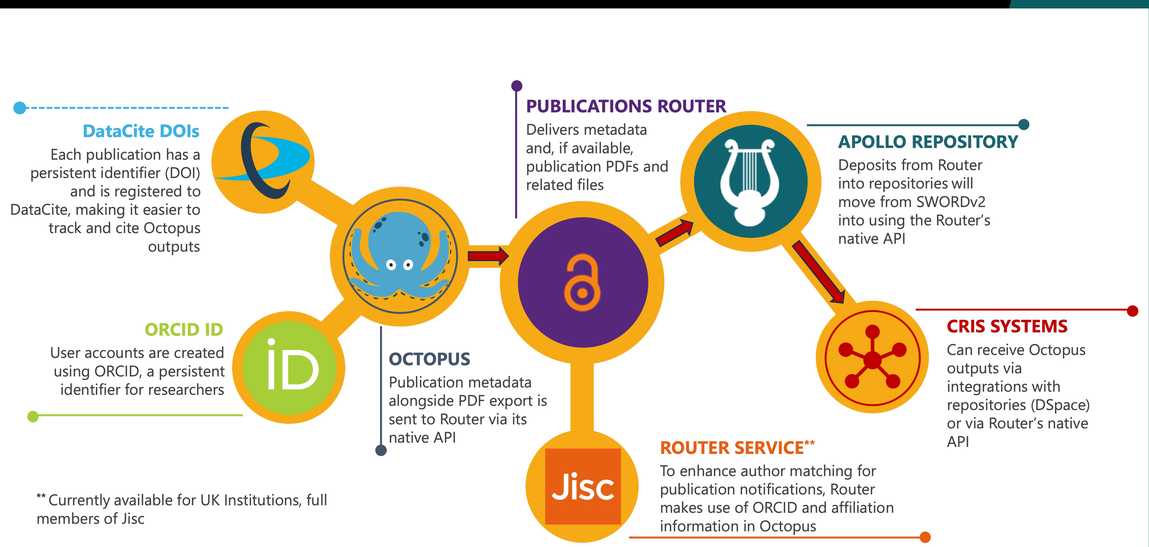
Apollo

Using open and well-adopted standards, this collaborative project aims to increase interoperability between innovative research publishing tools like **Octopus** and remove barriers to depositing research outputs into research repositories.

The project uses the **DSpace** platform as the case study.



** Currently available for UK Institutions, full members of Jisc

Open practices

- The research landscape is evolving rapidly, with a wide range of tools and platforms being developed to enable open research practices, and increased expectations from funders to openly share research outputs.
- Repositories play a critical role to ensure discoverability, access and long-term preservation of research outputs

Octopus overview

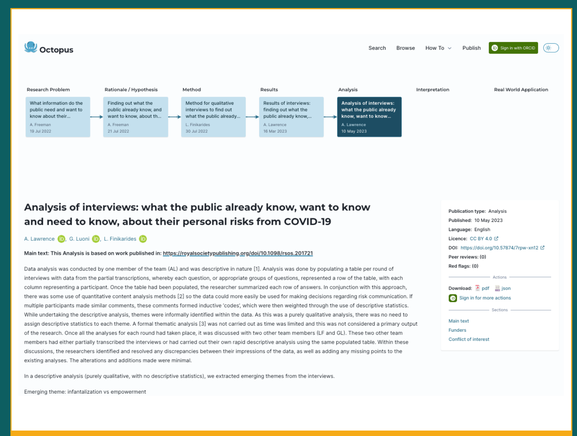
- Octopus is a new scholarly publishing platform designed to incentivise best practices in research
- Open and free to use: all publications and the source code itself are available under open access licenses
- Its unit of publication is not a traditional 'paper' but instead one of eight constituent units supporting the research lifecycle stages
- Open, post-publication peer review, with red-flagging capabilities, to assess quality and integrity

What we will do

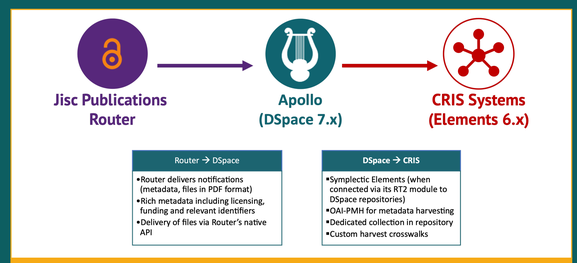
- The project will produce an implementation case study using Apollo repository (DSpace)
- Develop deposit mechanisms into repositories via Jisc Publications Router native API
- Align with COAR guidelines by implementing a Resourcesync endpoint - Users will be able to view Octopus outputs via repositories or content aggregators

Key benefits

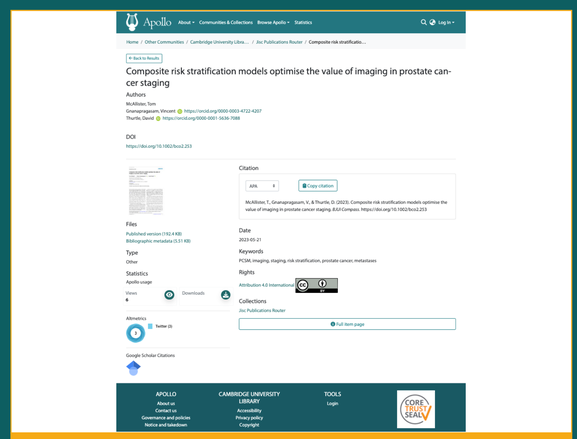
- Reassure researchers of their outputs being available and preserved for the long-term
- Facilitate tracking of research impact through linking outputs together
- Support institutions with funder compliance and reporting



Octopus



CRIS integrations via Jisc Publications Router



Apollo (DSpace), Cambridge's trustworthy repository

Scan the QR code to download the **poster**

UNIVERSITY OF CAMBRIDGE
Cambridge University Libraries

References

1) *Octopus, https://www.octopus.ac/*
2) *JISC Publications Router, https://pubrouter.jisc.ac.uk/*
3) *DSpace Repository Platform, https://dspace.lyrasis.org/*
4) *UK Reproducibility Network, https://www.ukrn.org/*

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