

# **Automating repository workflows with Orpheus**

An Open Source database of journals and publishers

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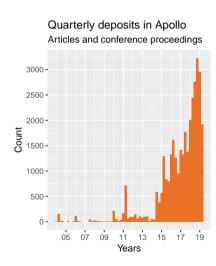
Open Repositories 2019 11 June 2019

Increased demand for our services

Usage of the Cambridge institutional repository (Apollo) has been increasing substantially since the announcement of the Open Access policy for REF2021.

 Staffing levels have not increased at the same rate.

Thus, forcing our team to work smarter, not only harder.



Frustration in repeatedly looking up journals' attributes

- Our team members were spending much time repeatedly looking up journals':
  - Self-archiving policies
  - Article processing charges
  - Available licences
  - Inclusion in institutional agreement
  - ► Participation in EuropePMC
  - ▶ etc...

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- Much of this information is available in a structured format from:
  - ▶ Flsevier

#### ELSEVIER

#### **Journal Specific Embargo Periods**

The following journal-specific embargo periods are only applicable for UK researchers who wish to self-archive their **accepted manuscript**. They apply to those who are a grant recipient from:

- One of the members of Research Councils UK and whose article was published from 1st April 2013.
- Wellcome Trust, subject to the Wellcome Trust's open access policy and whose article was published in subscription journal before 1st April 2013, but posted after this date.
- UK researchers complying with the Higher Education Funding Council for England (HEFCE) open access policy through the green open access route.

These embargo periods reflect the broader UK open access policy environment that was developed collaboratively among publishers, furified to glore and universities among other stakeholders. The UK open Government have expressed a preference for gold open access and support license extensions. Green open access financiary posting light stor one component of the UK open access landscape, As such, adapted embargo periods apply for UK researchers. For those institutions and funders whose sole approach is green open access when the proper description of the proper support of the UK open access and support of UK researchers. For those institutions and funders whose sole approach is green open access when the proper support of UK researchers. For those institutions are funders whose sole approach is green open access to the proper support of UK researchers. For those institutions are funders whose sole approach is green open access when the proper support of UK researchers. For those institutions are funders whose sole approach is green open access when the proper support of the pr

#### Additional information:

See our sharing guidelines for details about when embargos apply

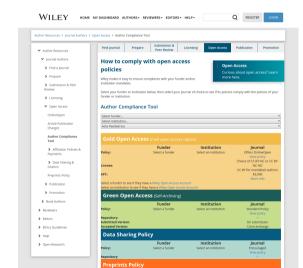
Click here for a list of institutions and funders with which Elsevier has formal agreements

Please note: Elsevier embargo periods are under regular revision and so are subject to change.

	Journal Name	Embargo Period (months)
1876-2859	Academic Pediatrics	1
1076-6332	Academic Radiology	1
0001-4575	Accident Analysis & Prevention	1
0155-9982	Accounting Forum	1
0361-3682	Accounting, Organizations and Society	2
0094-5765	Acta Astronautica	1
1874-1029	Acta Automatica Sinica	1
1742-7061	Acta Biomaterialia	1
0122-7262	Acta Colombiana de Cuidado Intensivo	1
1872-2032	Acta Ecologica Sinica	1
0001-5814	Acta Haematologica Polonica	1
0065-1281	Acta Histochemica	1
1359-6454	Acta Materialia	1
0252-9602	Acta Mathematica Scientia	1
0894-9166	Acta Mechanica Solida Sinica	1
1146-609X	Acta Oecologica	1

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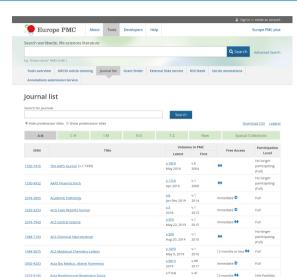
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#### Springer Journals List 2019 Complete satisfugue Including Open Assen, Journals

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#### Our solution

Import all those datasets into a database that can then feed machine-readable data to our repository and supporting systems.



- ▶ Django application
  - postgreSQL backend
  - web frontend for users and editors
  - web frontend for administrators
  - API (JSON response)
- Collection of python parsers for bulk importing and updating journal data from numerous sources.







# **Impact**

Initial bulk data imports resulted in coverage of self-archiving policies for 60% of Cambridge outputs. Coverage has since increased to 80%.

## Time saving

An educated guess is that Orpheus now saves our team c. 14.5 person hours per week.

#### Curation of embargo periods

Saving of 3 minutes per item to set and update embargos manually.

## Helpdesking

Saving of 5 minutes per item when advising on funder compliance.





I am also presenting a poster, so please come and say hello!



# Final thoughts, acknowledgements and contact

### Give Orpheus a go:

- ► Open Source (GPL 3.0 licence).
- ► Code and documentation: https://github.com/osc-cam/orpheus

#### Contact

- ► André Sartori:
  - ▶ afs25@cam.ac.uk
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- ▶ Open Access team at Cambridge:
  - ► info@openaccess.cam.ac.uk
  - ▶ @CamOpenAccess

#### Many thanks to:

► The OSC team at Cambridge for feedback and support!

https://osc.cam.ac.uk/about-us

- ► The Orpheus board of editors:
  - Maria Angelaki
  - ▶ Mélodie Garnier
  - Phillipa GrimstoneDebbie Hansen
  - Tony Malana
  - ► Tony Malone
  - Arthur Smith
  - ► Elena Varela-Fuentes