



# The Art of Open Research Persuasion: The Stats and the Stories

Michael Dainton  
0000-0002-8784-3697

Judith Hegenbarth  
0000-0001-9179-5678

Elizabeth George  
0009-0005-4470-1495



## QR FUNDED PROJECT:

### Understanding the impact of Open Research at University of Birmingham

We successfully bid for QR funding to undertake research into the connection between Open Research practice and the impact of resulting outputs.

## Overview

- We combined Dimensions data and the coding skills of our PGR Project officer to show the relationship between Open Research practice to citation rates and policy mentions.
- We visualised University of Birmingham Open Research activity school by school to inform ongoing conversations.
- We conducted conversations with researchers from PhD to Professor to find stories about good practice and local Open Research culture.

## Findings

The project has found:

- There are correlations in Open Access publication and citations at UoB.
- Encouraging increases in Open Research activity in the institution.
- Exciting scalable exemplars of practice.

## Legacy

- Coding assets to enable improved compliance monitoring.
- Bank of advocacy assets and inspirational stories.
- Intelligence to brief schools on Open Research achievements.
- Professional Services experience for PhD project candidate Project Officer.
- New relationships/partnerships with Professional Services colleagues and Open Research academic champions.

“Open code shared by Software Engineer colleagues have enabled open digital humanities resources like mine to be created in other countries”

I share 'practice research' outputs with those who have helped me create them”

“As a new PI, I know from experience to cost OR into grant proposals”

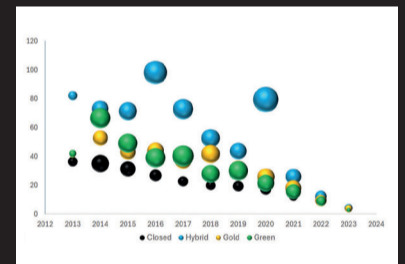
“I have taught my supervisor how to use Open Science Framework to register her protocols”

“My fourth year undergraduates create GitHub accounts, upload code and add the link to their CV”

## Plots

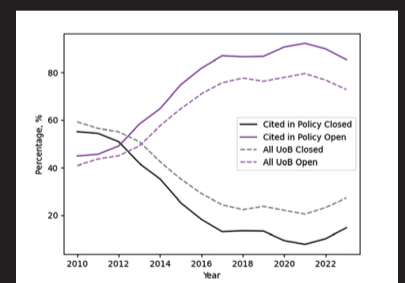
Key statistical findings from our API queries.

### Citation and modes of OA



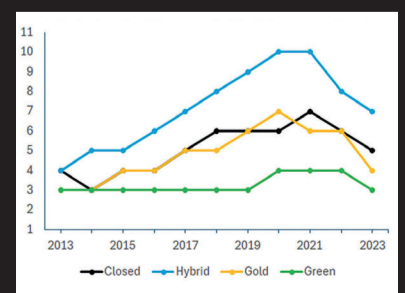
How the number of citations has changed over time for the different flavours of open access. Here the point size is related to the number of papers published.

### Citations in policy



Percentage of papers from UoB which have been referenced in government policy published open access. Data obtained from SciVal.

### Altmetric impact



Median altmetric counts for OA publications at UoB