OPEN RESEARCH AT CAMBRIDGE

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Global leaders

- ~ 3,000 independent researchers
- Research income since 2014: £3.9bn
- Funding from ~ 1,900 funders across the world
- 5,250 research awards active during year 2020-21
- 12,000-15,000 publications each year
- Affiliates of University of Cambridge have received more Nobel Prizes than those of any other institution

Image credit: University of Cambridge
Elements of open research

- Rewards and incentives
- Research Indicators and Next-Generation Metrics
- Future of Scholarly Communication
- Infrastructure for Open Research
- FAIR Data
- Research Integrity
- Skills and Education
- Public Engagement and Citizen Science
Advances in open research

Number of publications

Years 2012-2020

11,000
7,000
2,000

New Data Champions joining network

0 10 20 30 40 50 60

Technology
Physical Sciences
Biological Sciences
Clinical Medicine
Humanities & Social Sciences
Arts & Humanities
Non-School institutions

UNIVERSITY OF CAMBRIDGE
A thriving research culture

- Outward looking, open and collaborative
- Recognising all contributions
- Inclusive, transparent, supportive
- From 'being the first' to 'being the best'
- Momentum from funders AND researchers
Impact on people

- Mutual benefits from free exchange of ideas
- Collaborations
- Spotting emerging talent
- Citation advantage for open access papers
- Funding opportunities
- More diverse stakeholders involved
Changing practices

Open access  Preprints  Sharing code
Core values and principles

- Are the things we do aligned with our values?
- True assessment of research quality
- Research integrity
- Reproducibility
An Open Research culture … links researchers and the wider community through shared knowledge … it accelerates the pursuit of knowledge and fosters truly international collaboration.

The University promotes and supports Open Research

…as open as possible, as closed as necessary.
Open research at Cambridge is about…

How can we be global leaders?
What would work in your discipline?
What is one practice you could change?

Image credit: University of Cambridge