Making Open Science the "New Normal" in a Large and Diverse Institution: The Road so Far.

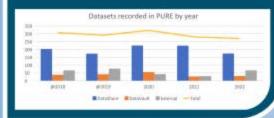


Authors: Kerry Miller, Open Research Coordinator, University of Edinburgh. kerry.miller@ed.ac.uk ORCID - 0000-0002-6463-6572 Simon Smith, Research Data Support Officer, University of Edinburgh. simon.smith-2@ed.ac.uk

FAIR Data

An updated Research Data Management Policy⁴ came into effect in January 2022. This policy emphasises the importance of good RDM in maintaining research integrity and promotes the use of the FAIR principles by all researchers creating or collecting research data.

The University's open data repository, DataShare, has been helping research staff and students to make their data FAIR since 2009. In 2019 a secure encrypted archive service called DataVault was launched to support the long-term preservation of sensitive data and large datasets that online repositories struggle to manage. Both services provide metadata to a PURE CRIS system to increase the Findability and Accessibility of datasets. Deposited datasets are actively curated to ensure sustainable formats are used and sufficient metadata and documentation is present. In this way, repository staff ensure that our researchers' data will be FAIR in the long-term.



Research Integrity



The University has been prioritising the development of good practice across many aspects of research ethics and integrity and in December 2022 adopted its first comprehensive Ethics Policy⁵. Research integrity, openness, and transparency are recognised

Introduction



Attempts to effect a fundamental change in research culture and practice are all the more difficult when the environment is as large and as complex as the University of Edinburgh, Open Science (OS) advocates must reach almost 5000 academic staff and more than 15000 postgraduate students; staff and students are spread across 3 Colleges consisting of 21 Schools and more than 200 different Research Centres and Institutes.

In response to these difficulties, the University of Edinburgh has developed an Open Research Roadmap¹ based on LERU's "Open Science and its role in universities: a roadmap for cultural change."2 Our Roadmap both informs our actions and measures our progress towards making Open Research the "New Normal" for our staff and students.

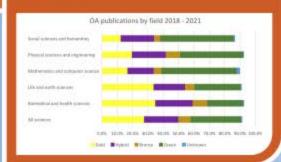
Undoubtedly, we are making good progress is some areas. However, despite our best efforts, understanding of what OS is and what researchers are meant to do about it remains uneven.

Future of Scholarly Publishing

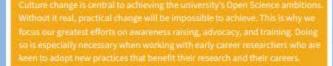


Open Access (OA) Publication is well established at Edinburgh Rankings³. In January 2022, Edinburgh became the first university ensures Edinburgh authors cannot be forced by publishers to surrender copyright to their work and gives us the right to publish the authors accepted manuscript in our OA repository on the date of online publication.

Edinburgh Diamond supports staff to publish fully open journals monographs. Demand for Edinburgh Diamond is steadily



Culture Change



Citizen Science



Projects involving high-participation Citizen Science (CS) methodologies already have a significant presence at the