

Research Data Management: The 2021 review

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Foreword



To mark the start of Love Data week, it has become a UCL tradition for the research data management team to publish an annual review.

Our collective efforts to advocate for the embedding of data management best practice into policy and working environments, joined with actively participating in teaching activities and initiatives to support open science and scholarship were - and still are - priorities for the research data management team.

So let us look back over 2021, before sharing plans for going forwards.

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Research Data Management





Managing data and other research outputs at UCL

Research Data Management (RDM) covers the decisions made - and actions taken - to manage research outputs across the research data lifecycle. RDM sits within Open Science and Scholarship complementing other areas of open research such as Open Access, Bibliometrics, Research Integrity and Citizen Science.



The RDM team are now associate staff at the Centre for Advanced Research Computing

www.ucl.ac.uk/advanced-research-computing/

We are working even more closely with colleagues in the Research Data group to support individuals in managing their research outputs whilst they are actively researching and then once the project is complete and outputs need longer-term archiving and preservation.



WHO offers UCL a contract to host drug-resistant TB database

The RDM team participated in an interview with the WHO which contributed to UCL-TB from the MRC Clinical Trials Unit being offered a contract to curate data from around 10,000 patients.

Study documentation will be published and shared using the UCL Research Data Repository in due course.

www.who.int/news/item/17-11-2021-global-individual-patient-data-platform-for-drug-resistant-tuberculosis-treatment
<https://www.ucl.ac.uk/tb/resources-and-services/dr-tb-ipd-platform>

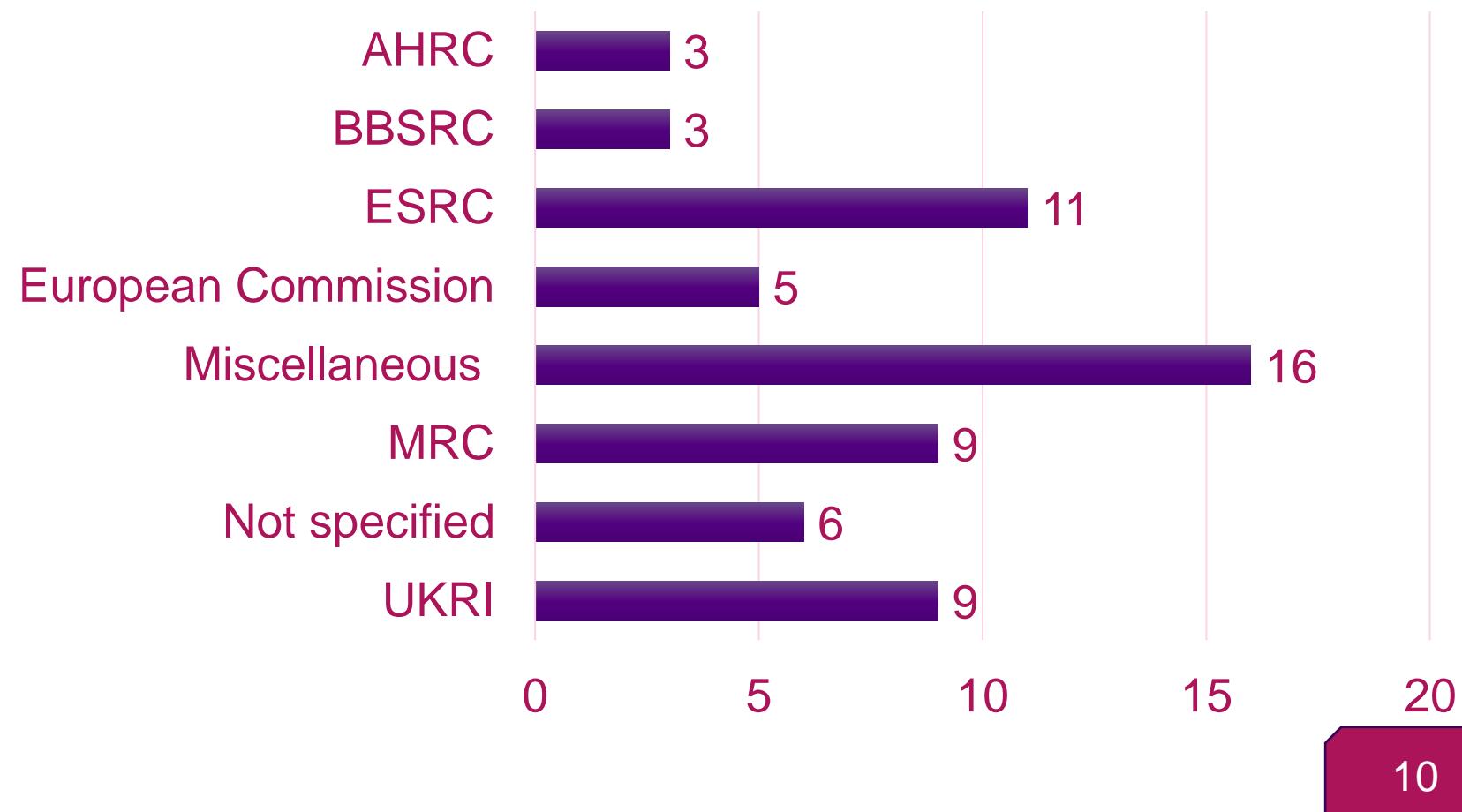


**“...data are facts,
observations or
experiences on which
an argument or
theory is constructed
or tested...”**

As part of our advocacy activities, we continued to promote the idea that ‘data’ refers to any output of research relevant to research findings - and the view that ‘data’ only refers to numbers in a spreadsheet stems from a historical bias towards STEM subjects.

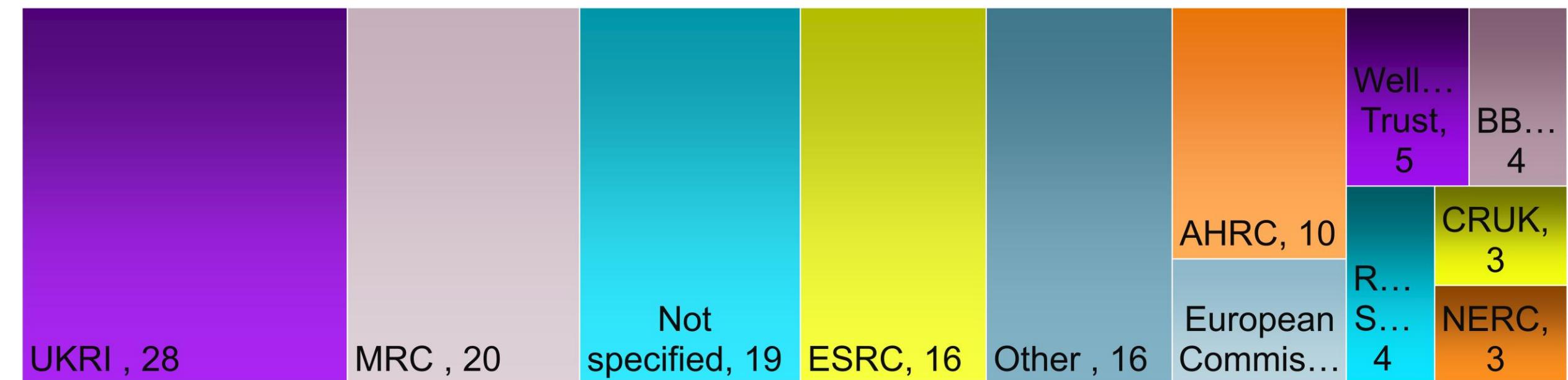
Data management and sharing plans

We reviewed
66 data
management
and sharing
plans





133 Plans were reviewed between 1 January 2019 and 31 December 2021



Training





We continued to provide training via online Moodle modules

293 individuals have completed the **Writing data management plans** module so far as led by the RDM team <https://bit.ly/3mZ6d0v>

242 individuals have completed the **Open Science and Scholarship** module so far as led by the RDM, Open Access and Bibliometrics teams <https://bit.ly/3pVYgLq>

UCL Research Data Repository





**204 published
items**

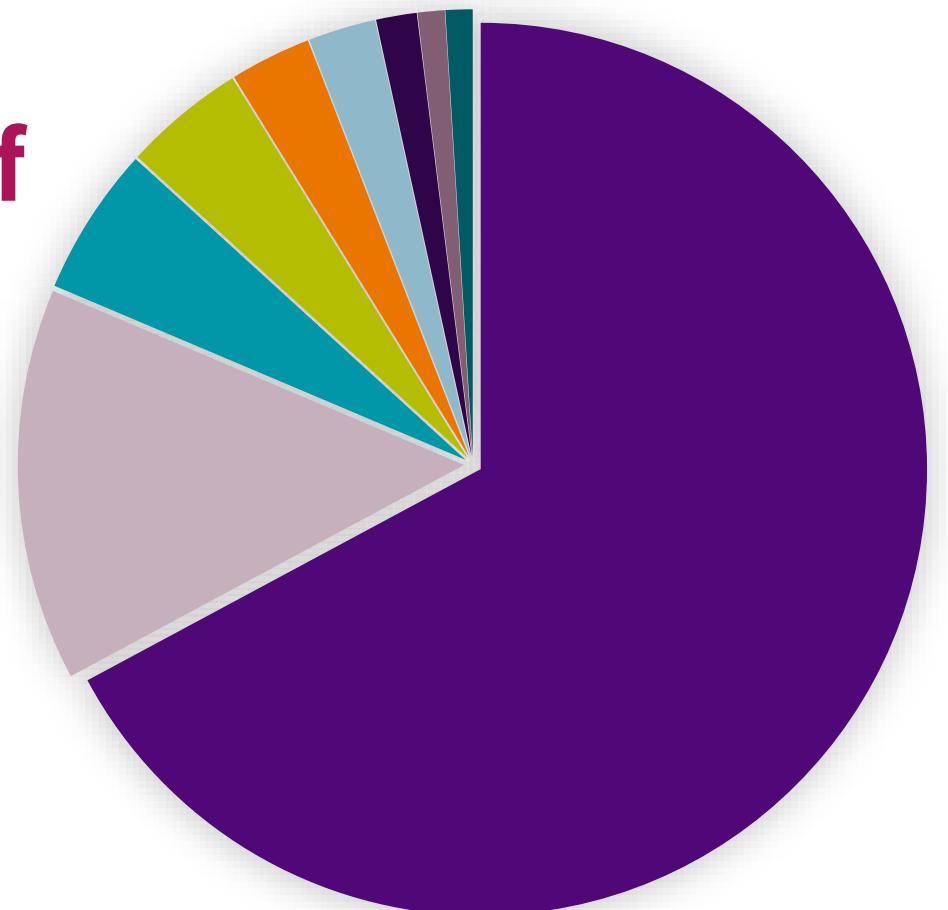
**97000+ item
downloads**

UCL staff and research students can...

- Assign a DOI to published items
- Enable discovery, access and data sharing
- Preserve & curate items for the longer-term
- Help meet UCL / journal publishers' / funders' requirements
- Create and share FAIR research outputs
- Apply embargos where necessary

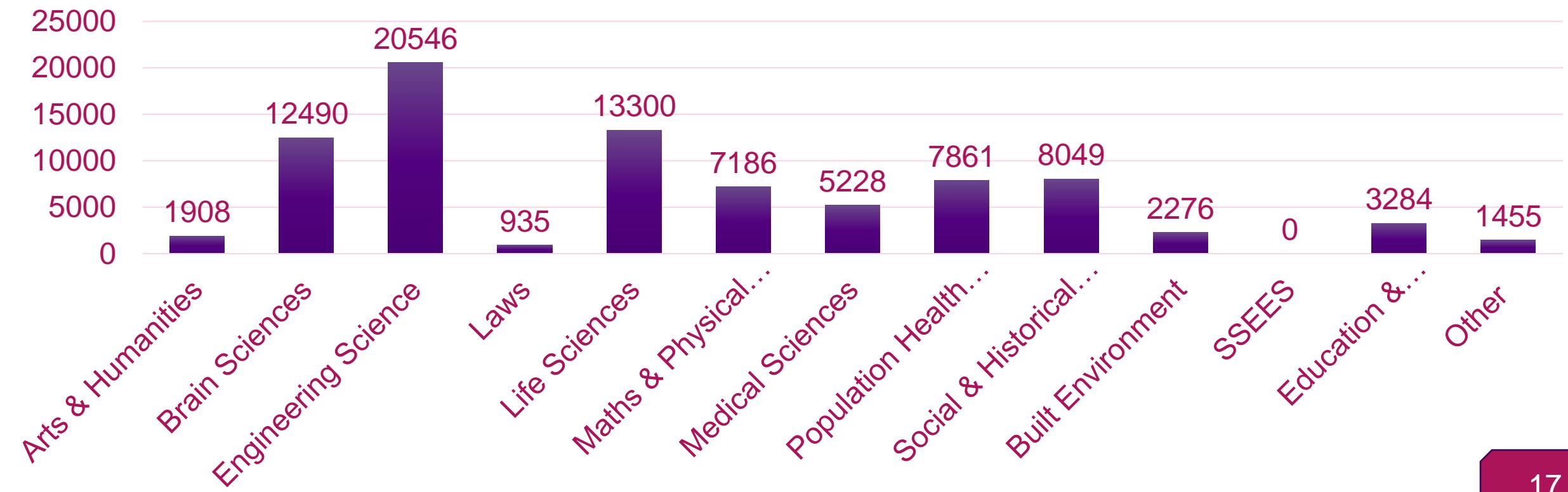


Total number of uploads to the Research Data Repository by item type



- dataset, 137
- media, 29
- presentation, 11
- software, 9
- figure, 6
- poster, 5
- workflow, 3
- dmp, 2
- model, 2

Total record views by UCL faculty





Most downloaded record in 2021

Robertson, James L; Martin, Elly; Cox, Ben; Treeby, Bradley (2021): Sensitivity of simulated transcranial ultrasound fields to acoustic medium property maps. University College London. Dataset. <https://doi.org/10.5522/04/14200220.v1>

Most viewed record in 2021

Boehm, Jan; Panella, Fabio; Melatti, Victor (2019): FireNet. University College London. Dataset. <https://doi.org/10.5522/04/9137798.v1>

Open science policy and practice





UCL signs the LERU Data Statement addressing HEIs' dependence on platform companies

Globally, stakeholders are being encouraged to build and utilise infrastructures alleviating universities' reliance on certain architectures to carry out research.

Dr Paul Ayrис, Pro-Vice-Provost LCCOS said, “*...we have developed new ways to make our research and educational resources openly accessible, but there is a lot more the sector can do...*”



Complying with the UKRI Open Access Policy at UCL

Data access statements are key to pointing individuals to where the underlying research data are and if there are any applicable data access protocols.

At UCL, the RDM team have continued to advocate for the inclusion of data citations in these statements and routinely issue researchers with DOIs to help meet these requirements via the UCL Research Data Repository.



UNESCO Recommendation on Open Science

The Recommendation provides guidance on carrying out open science research and the responsibilities of stakeholders across academia.

The Office for Open Science and Scholarship is continuing to coordinate activities across UCL bringing together open science policy and practice.

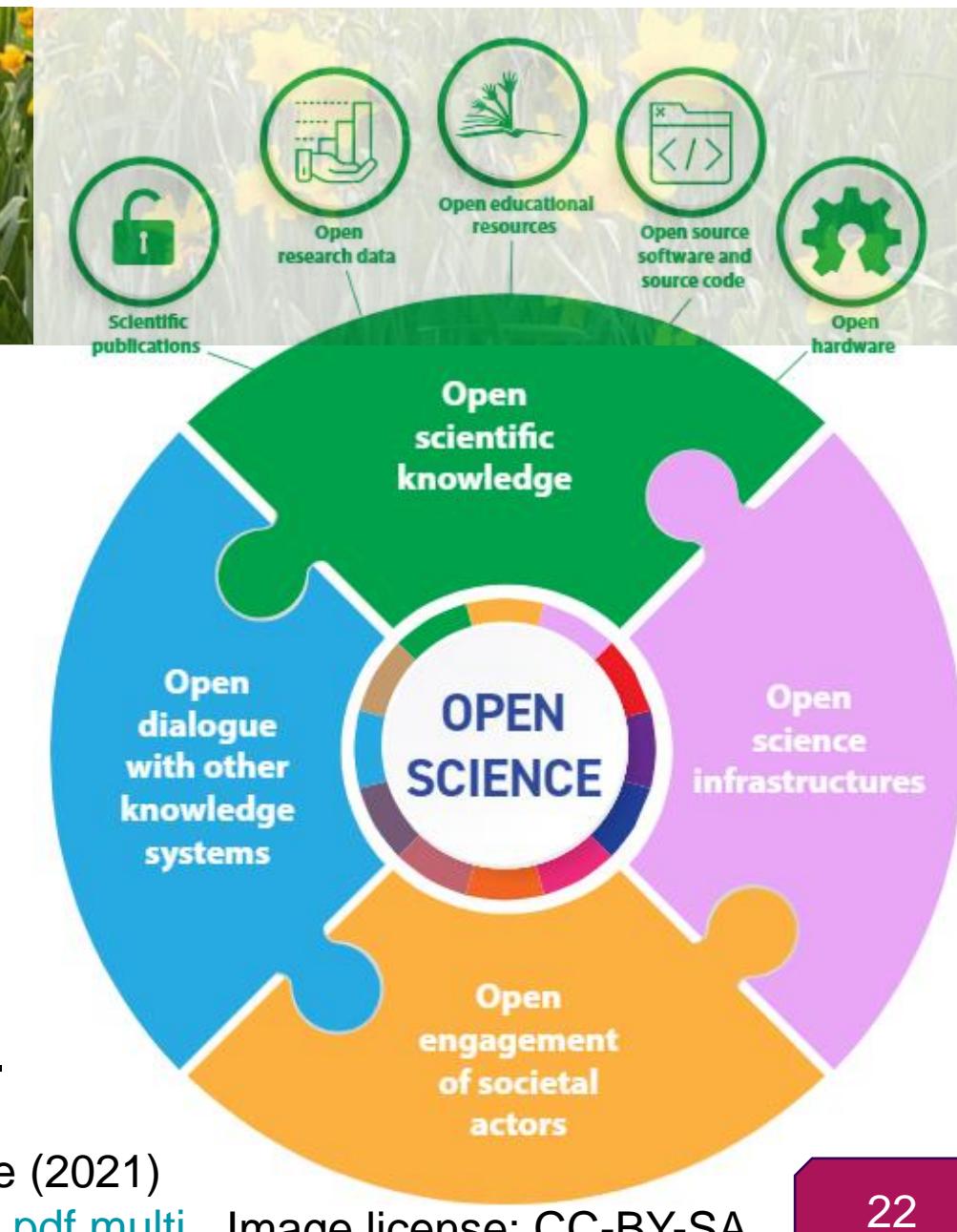


Image taken from report: UNESCO Recommendation on Open Science (2021)

<https://unesdoc.unesco.org/ark:/48223/pf0000379949/PDF/379949eng.pdf.multi>

Image license: CC-BY-SA

A close-up photograph of vibrant pink flowers, likely geraniums, with large green leaves in the background. A white rectangular box is overlaid on the upper left portion of the image.

Going forwards

Library, Culture, Collections & Open Science



UCL Library Services is now known as LCCOS - Library, Culture, Collections and Open Science. LCCOS is a part of the new Office of the UCL Vice-Provost (Research, Innovation & Global Engagement) which is dedicated to, “supporting people, crossing boundaries and enabling responsible impact – for the greater good, locally, nationally and internationally.”

RDM plans for 2022



Work even more closely with colleagues across UCL to enhance data management services to support individuals across the research data lifecycle

Continue advocating for changes to policy and practice relating to the way UCL manages credit; rewarding all contributors of research and better acknowledging and including those in non-academic roles such as librarians, technicians and administrators.

Contact the RDM team

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