

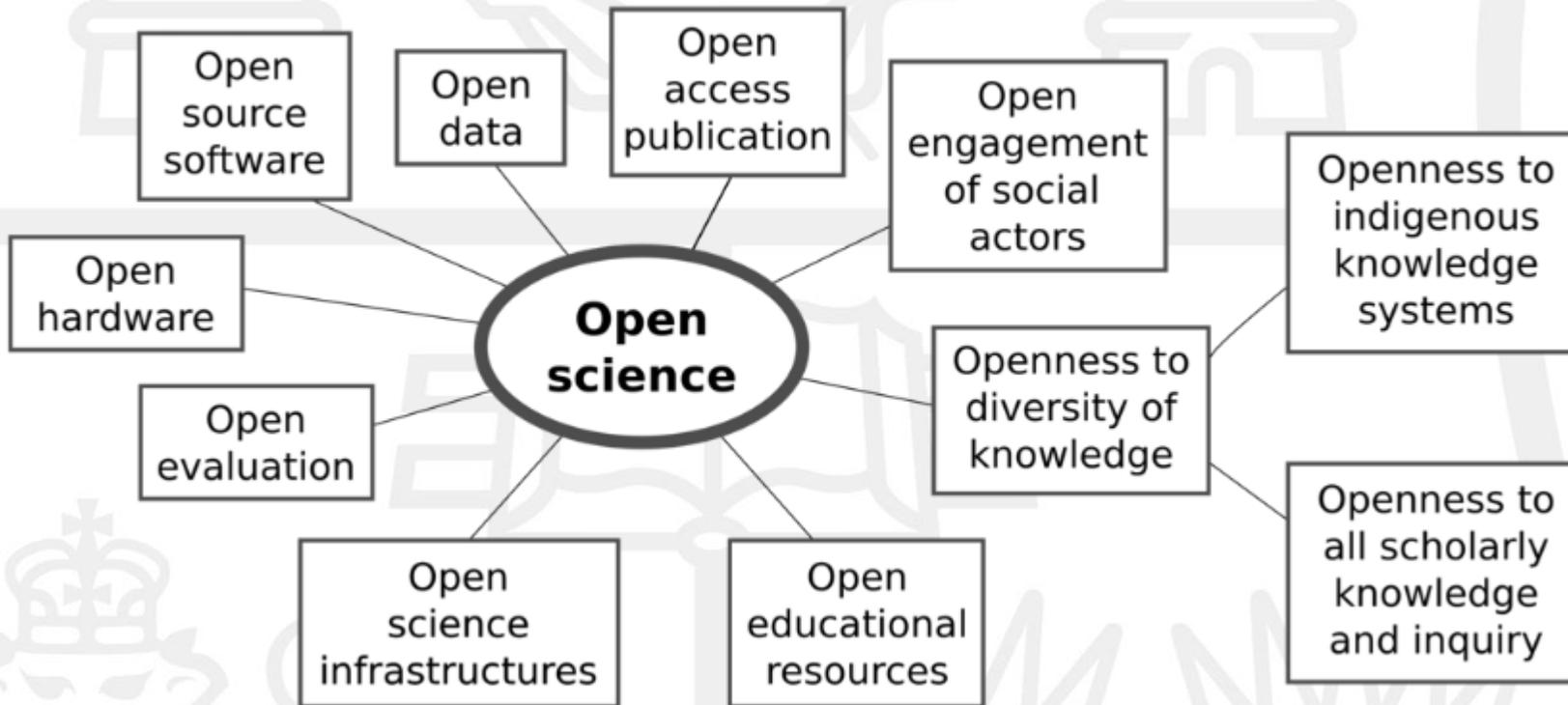


UCC Library Research Services

Dr Aoife Coffey | Research Data Lead | UCC Library



Open Science/ Research /Scholarship



"Opening science involves opening up the processes of creating, evaluating, sharing, exploring and storing scientific knowledge, practices and perspectives."

UNESCO Open Science Toolkit

Research Services

Hardy Schwamm - Head of Research Services.



CORA the Cork Open Research Archive is UCC's institutional repository of research publications.

Open Access/CORA Team **Gillian Cotter** and **Elizabeth Noonan** provide expert support, training and advice on all aspects of the publishing landscape. Scholarly Comms Librarian - Vacant

[Open Access at UCC webpage](#) & [CORA website](#)

The Research Data Service provides support, advice and training for all aspects of data management from grant application stage to post-project.

Dr Aoife Coffey, Research Data Lead & **Dr Pádraig Mac Aodhgáin**, Research Data Steward

[Research Data Service webpage](#)

What is Open Access?

- Open access is a **broad international movement that seeks to grant free and open online access** to academic information, such as publications and data. Often uses Creative Commons licensing framework.
- Depending on your output and discipline there are multiple routes to open access.
- **Green OA:** Self-archiving a postprint (AAM- Author Accepted Manuscript)
- **Hybrid OA:** Publishing in a journal where some articles are published open, because the authors paid the APC fee, while some are behind a paywall because the author did not pay to make it OA
- **Gold OA:** Articles are made openly accessible by the publisher, often for a fee, known as an article processing charge (APC) which covers publication costs (between €100 - €15k per paper)
- **Diamond/Platinum OA:** Articles are made openly accessible by the publisher, but no fee is charged to the author. Instead, publication costs are covered by institutions, funders, societies etc. For example: [HRB Open Research](#), [The Boolean](#), [Scenario](#), [The Open Library of Humanities journal](#), etc.

CORA - UCC's Open Access Repository - Green OA



- CORA is University College Cork's online, open access institutional repository, established by UCC Library to collect, store and disseminate the digital research output of the UCC scholarly community.
- CORA provides free open access to University College Cork's scholarly and scientific research publications and theses.
- CORA is now integrated with PURE. Some useful resources below;
 - [Pure Support - Home](#)
 - [Pure User Guide](#)
 - [Pure - Frequently Asked Questions](#)
 - [User Guide 04 - Adding Research Outputs](#)

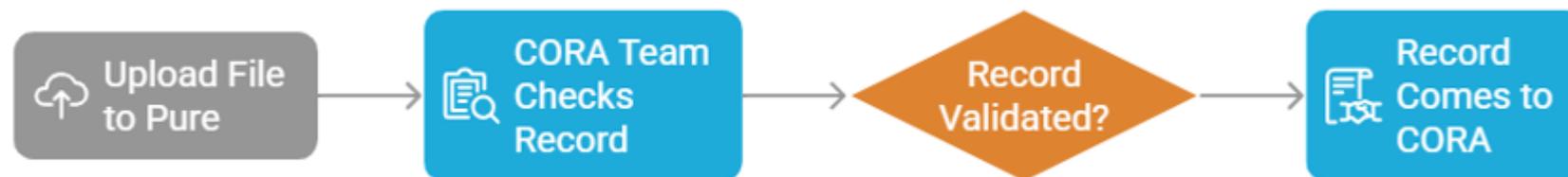




How do I get my publications into CORA? Through Pure.

If you have a Pure profile, you should add the publication to Pure, and upload the file there.

Pure to CORA integration



As soon as you upload a file to Pure it enters a workflow where it will be checked by the CORA team.

Once validated, it will come across to CORA

Adding Research Outputs to Pure



Research outputs



In your Pure research profile, click on + to add a research output.



Research output



Create from template

Import from online source

Import from file

If you choose [Create from template](#), you will be manually inputting metadata.

Try [Import from online source](#) first. Search source by title or DOI. If the publication is found, select [Import](#).

On the next page, select [Import and review](#).



Scopus

Import from Scopus

Title, Abstract, Keywords or Scopus publication ID, ISBN, DOI

10.1016/j.jhazmat.2025.140778

Search

If you enter an ID here (Scopus publication ID, ISBN or DOI), the other fields are ignored.

Author name(s)

ORCID or Scopus author ID(s)

Example: bill smith or
b smith

Year range

From → To

Organisational unit affiliation of
author

Scopus Affiliation ID(s) of author

1 result

Sort by: ↓ Publication Year

Self-assembled metal oxide (FeOX/MnOX)-synthetic humic-like acid composites enhance heavy metal immobilization and differentially reshape bacterial and fungal communities in metal-contaminated agricultural soil

Ying Yuan, Baile Wu, Zixuan Wang, Xu Xiao, Yifei Liu, Bing Zhang, Tan Chen, Yan Ma, Ting Yang, 2026, vol. 501. Journal of Hazardous Materials [Link to publication in Scopus](#). DOI.

Article

 Import

[Source data](#)

Remove

Uploading your file to Pure

In the submission form, click [Add electronic version \(file, DOI or link\)](#). Upload the file.

The record will be checked and validated by the CORA team and will move into the repository



Electronic version(s), and related files and links ?

Content input in this section is insufficient to determine the Open Access Status:
Public access to file unknown

Electronic version(s) of this work FINAL PUBLISHED VERSION

 [10.1016/j.jhazmat.2025.140778](https://doi.org/10.1016/j.jhazmat.2025.140778)

Final published version

Unknown

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Other links

 <https://www.scopus.com/pages/publications/105024541435> Scopus publication

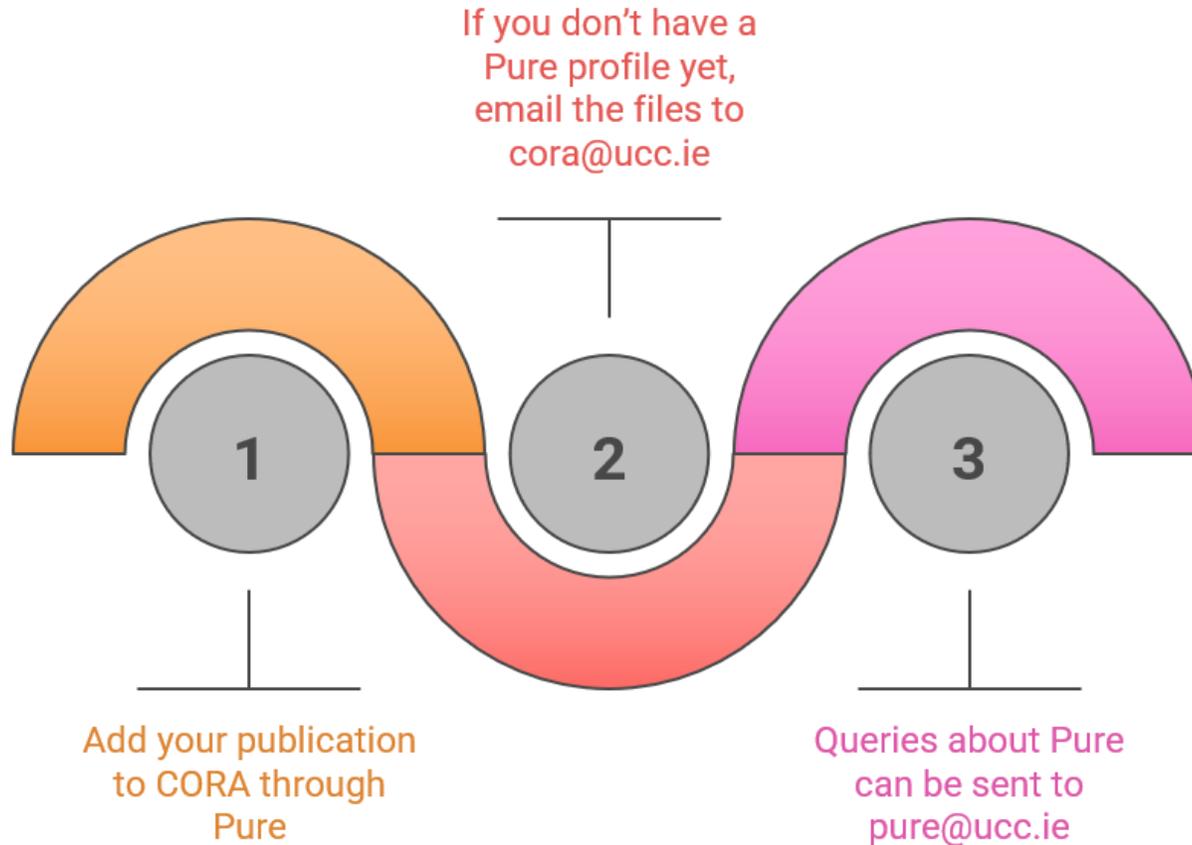
Link to publication in Scopus

[Add other link...](#)

Other files

[Add other file...](#)

Add your research outputs to CORA via Pure



If your publication is open access on the publisher's website with a Creative Commons license, upload the published version



If your publication is published behind the paywall on the publisher's website, upload the Author's Accepted Manuscript

Open Access Publishing in UCC



OA Agreements at UCC

UCC Library is a member of the [IReL consortium](#). IReL has secured agreements with publishers that allow corresponding UCC authors to publish their articles open access with no cost to them. PhD students are eligible!

To avail of IReL funded APCs – applicants must be the **corresponding author** of the paper and must be a staff member or student of UCC at the time the article is **accepted** for publication.

Contact us with any OA queries – openaccess@ucc.ie



UCC research masters & doctoral theses



- CORA is also the central repository for all UCC postgraduate research theses. While we aim to provide full-text open access, in certain circumstances theses may not have been provided by the graduate or may be embargoed in part or in full.
- To see details of all UCC theses in the UCC Library collections go to the UCC Library catalogue
- Information on procedures for submitting research theses is available on the Graduate Studies Office web pages. See the UCC Library website for a list of E-theses Frequently Asked Questions

Research Data Management UCC



Research Data Management Policy

'All new research proposals must include research data management plans or protocols that explicitly address data capture, management, integrity, confidentiality, retention, sharing and publication.'

Research Data Service

Research Data Service provides advice and training for all aspects of data management from grant application stage to post-project. We can help with drafting and implementing your data management plan and deciphering the requirements of FAIR and Open Data.

researchdata@ucc.ie

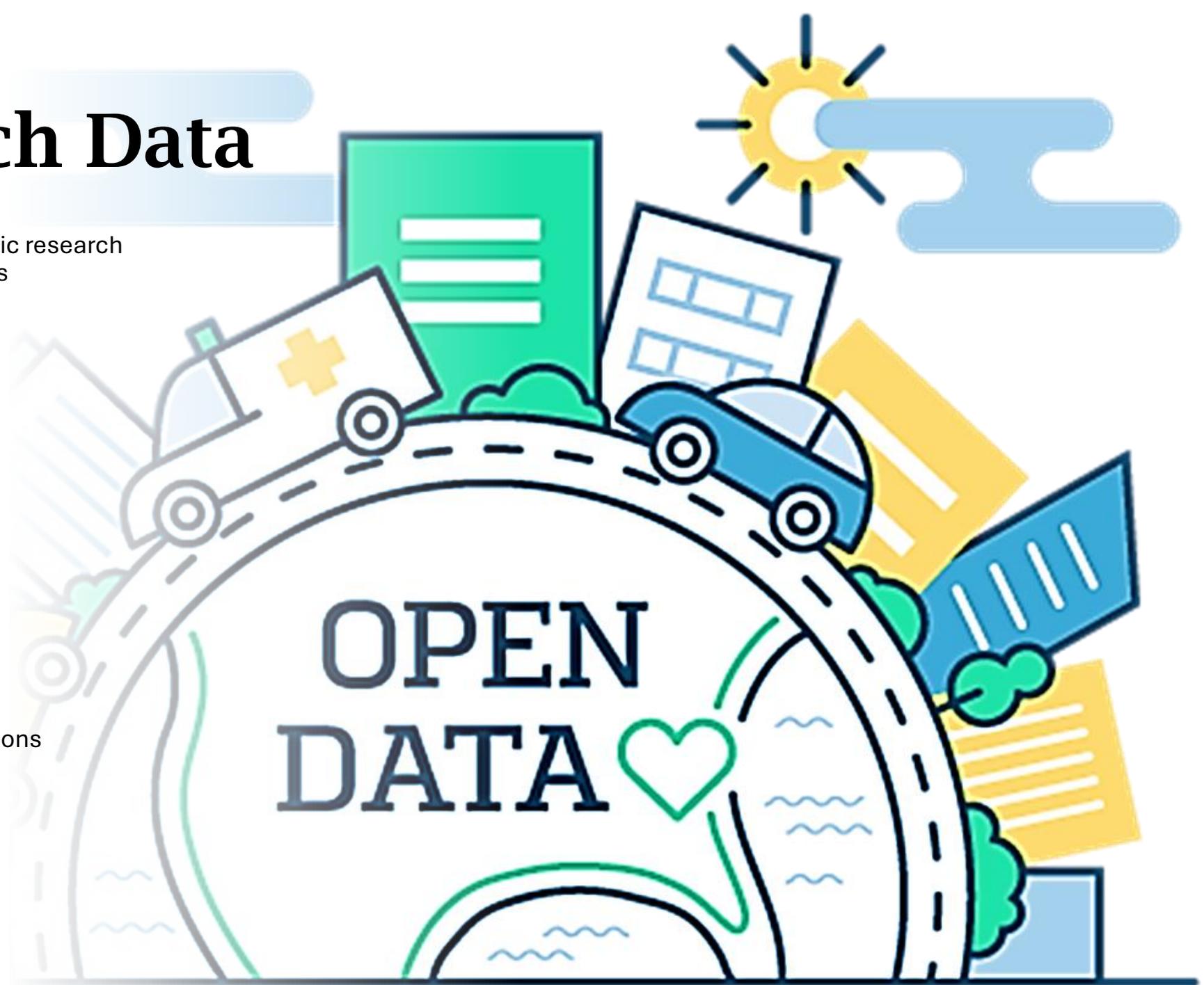
What is data management?

- It is the **active** management of research data during the lifecycle of a project and also includes decisions about treatment of the data post-project
- It involves organization, storage, preservation and potential sharing of the data
- It's an integral part of **good research practice**

Open Research Data

Refers to the data underpinning scientific research results with no restrictions on its access

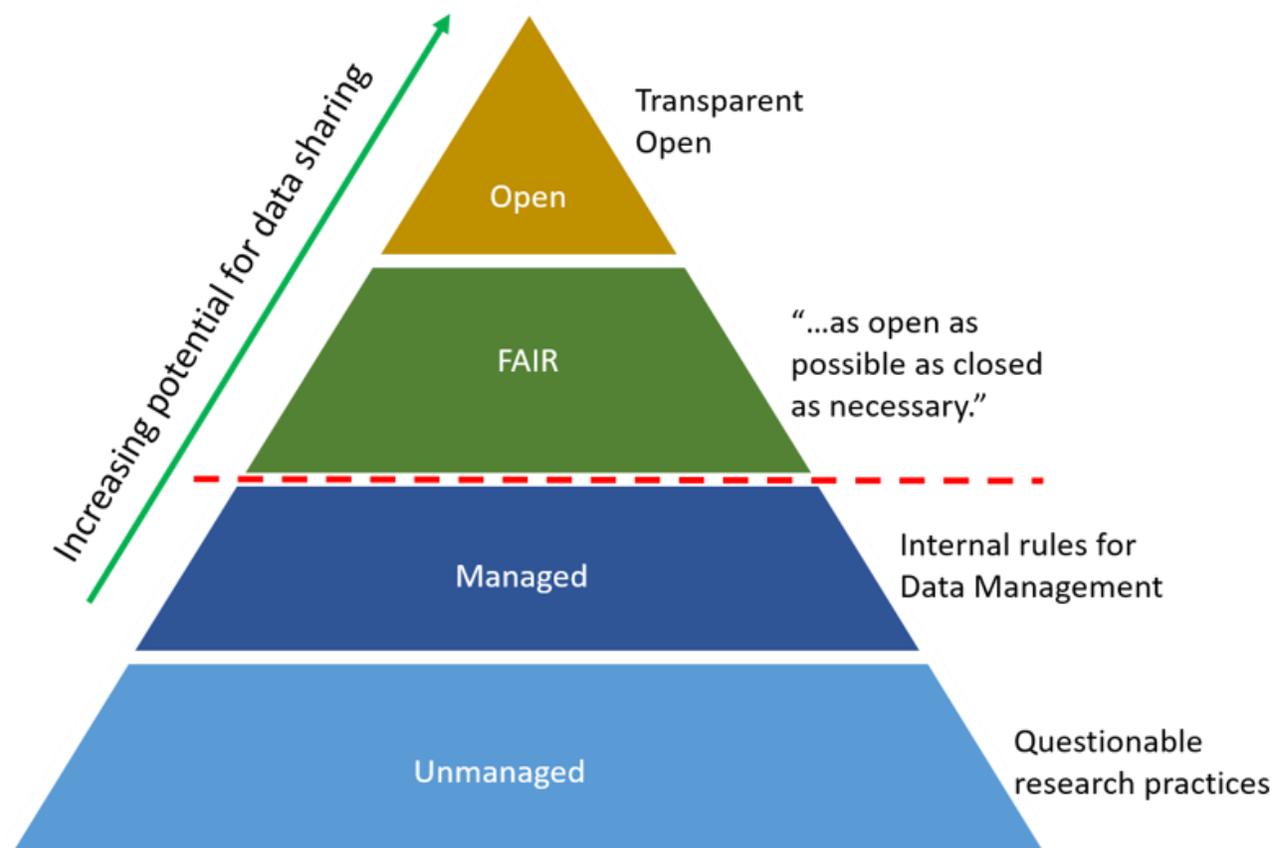
- Accountability
- Transparency
- Reproducibility
- Building on existing data
- Revisiting existing data
- Better and stronger collaborations
- Value for public money



The FAIR Principles

- **Findable** – Easily located via metadata and identifiers
- **Accessible** – Available with clear usage conditions
- **Interoperable** – Compatible with other datasets/tools
- **Reusable** – Well-described for future use

Degrees of Data Management



Modified from slide by [@sjDCC](#)

Research Data Service

- One to one appointment service
- Data Management Plan review
- Advice on active data management
- Advice on FAIR principles and long-term preservation.
- Data repository selection
- Licensing for datasets

Book a consultation



Training and Skills Development



Research Essentials Series

A series of workshops focusing on practical research skills such as research data management, open access publishing, metadata for research and more. The aim is that you will leave the workshop able to adapt use and interpret the tools, techniques and principles to your own research.

Workshops run twice a year for more [follow the link.](#)

Self-Guided Learning

Self-guided Canvas modules are available on the [Research Essentials Canvas Page](#) (open to self-enrollment). These modules give an overview and practical steps on how to implement the [FAIR Principles](#) and a [Research Data Management Plan.](#)

Digital Badge in the Responsible Conduct of Research

The UCC Digital Badge in the Responsible Conduct of Research is offered to researchers who complete a tailored, blended learning course on responsible, reproducible research. The badge is available to researchers at all levels and career stages from PhD to PI.

For more information, please contact the [Research Data Lead](#)

Principles and Practices of Open Research Digital Badge



- You must complete all the Introductory modules, including the activities and all of the six practice based sections and associated assignments.
- All of the badge assignments and activities are Canvas based quizzes and short reflective exercises.
- If you have any questions, please reach out to Research Services in the UCC Library by emailing researchdata@ucc.ie or openaccess@ucc.ie.
- Enroll Link <https://ucc.instructure.com/enroll/C4PXPD>

1. Introductory Modules - Activities

- What is Open Research? - Activity
- History of Open Research - Activity
- Why is Open Research Important - Activity
- What does Open Research Involve - Activity
- Getting started with Open Research - Activity

2. Practice based modules - Activities

- Research Integrity Activity
- Pre-Registration Activity
- Research Data Management Quiz
- Research Data Management Plan
- Reproducibility Activity
- Open Reporting Activity
- Open Knowledge Dissemination Activity

3. Final reflective exercise

DH5001 –Introduction to Data Stewardship

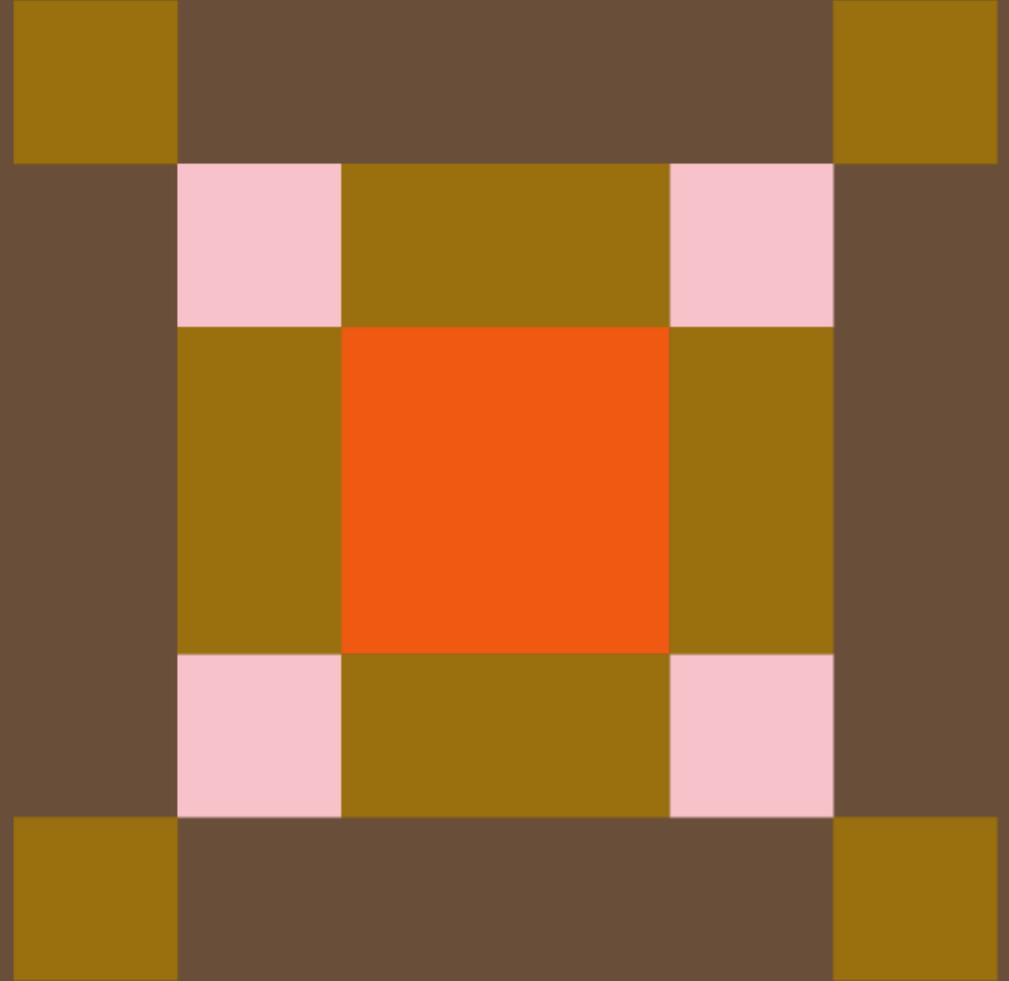
- 5 credits, level 9 micro-credential,
- Develop your skills in data stewardship through:
 - Building core skills in planning, applying, and evaluating data stewardship.
 - Research Data Management planning and best practice in FAIR and Open Data Principles
 - Introduces essential concepts in research data ethics, community ownership, compliance, GDPR, data security and sovereignty.

<https://www.ucc.ie/en/dh5001/>



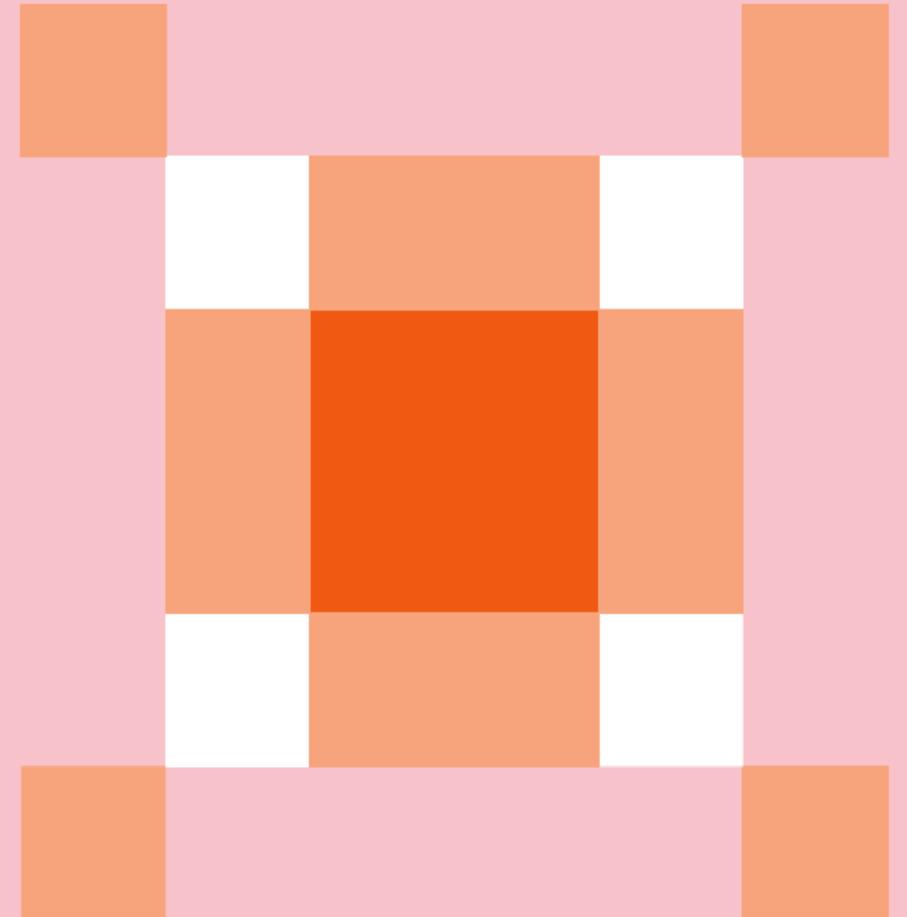
Navigating Open Research

A Guide for Early Career Researchers



Each section contains:

- A concise explanation of each concept
- Lists of *useful resources*
- Tables with examples / questions to consider
- A *Getting Started* checklist
- A space for Notes



Each section ends with a useful *Getting started* checklist of actions. If a researcher ticks even one box, they are on the way to becoming an open researcher

Getting started with open access publishing:

1. Check your funder's open access policy
2. Check JISC Open Policy Finder or with the journal to find out if it is possible to publish OA in the journal of your choice
3. Include a rights retention statement in your submitted version
4. Check if the journal is covered by an institutional open access agreement
5. If not covered by an open access agreement, make sure your funder, university, faculty or department can cover the cost
6. Consider posting your work as a preprint. Check if your journal of choice allows preprints and if there are suitable preprint servers for your work
7. In the case of an OA journal, check that it is listed in the DOAJ. If not, use the checklist on [Think. Check. Submit.](#) to find out if the journal is trustworthy
8. Make sure your publication has a Creative Commons licence. For more information, see the [Licensing Your Work](#) section on page 26.
9. Keep your author accepted manuscript
10. Upload your publications to your university's repository. For help and more information, contact your University Library

Getting started with Research Data Management:

1. Engage with your local data steward
2. Check which data management plan template is required by your funder or institution
3. Check the metadata requirements of your target data repository
4. Draft a Data Management Plan
5. As you plan for data collection ensure that you also capture metadata and documentation
6. Make sure your DMP includes plans for FAIR and Open Data sharing
7. Consider the legal requirements of your data, for example GDPR
8. Consider FAIR data sharing in your ethical approval application
9. Include reproducibility in your Data Management Plan, if relevant
10. Include a 'readme' file in your research folder, explaining the context of the research, the file structure, and procedures
11. Include a codebook or data dictionary in your research folder, explaining all variables in your research
12. Make sure your analysis steps or scripts are well described and available to others
13. Make sure your project minimises the effort it takes to reproduce your research

How the guide can be used:

- The guide is an open educational resource with a CC BY-SA license. It can be downloaded and adapted for different institutions, contexts, groups and purposes
- The guide has a DOI and a QR Code. It is currently available in UCC's repository CORA and in Zenodo.

<https://doi.org/10.33178/10468/17586> DOI

<https://hdl.handle.net/10468/17586> CORA

<https://zenodo.org/records/17021307> Zenodo

Navigating Open Research



Thank you for listening

- **Key Contacts**

- Research Data Service – researchdata@ucc.ie
- CORA – cora@ucc.ie
- Open Access - openaccess@ucc.ie