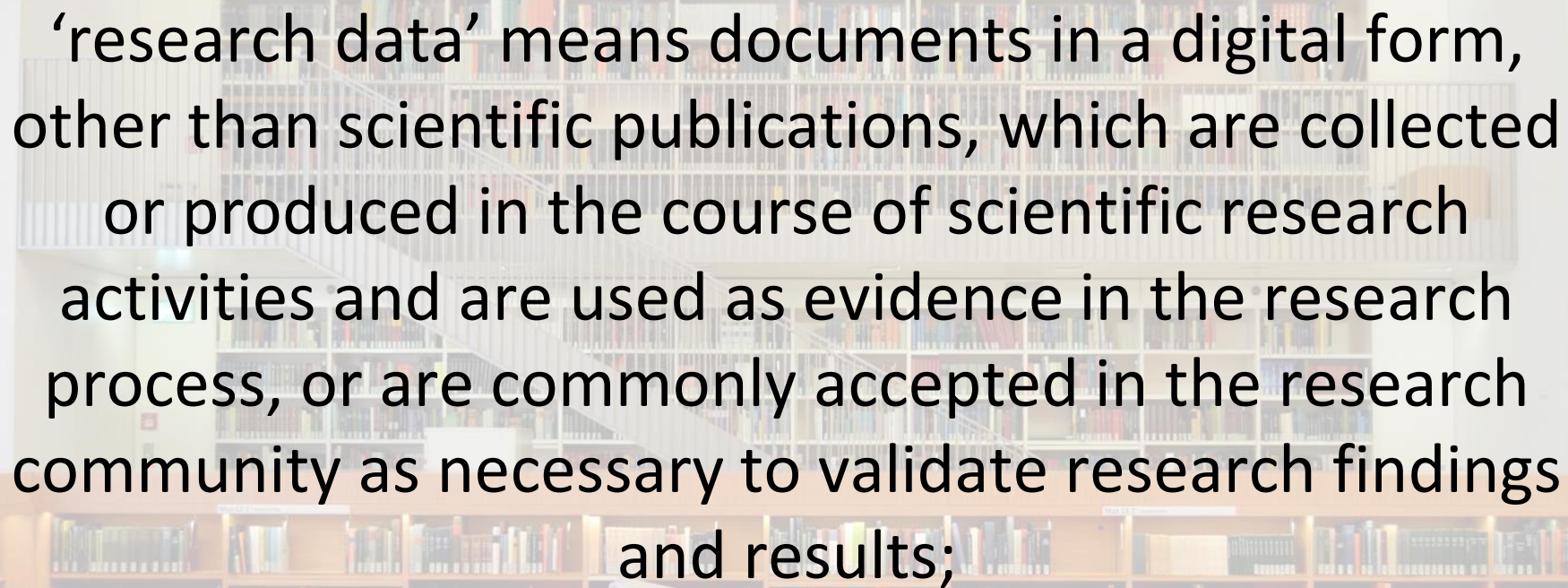


# A day in the life of a Librarian and Research Data Management

Dr. Aoife Coffey, Research Data Coordinator, UCC Library  
Jenny O'Neill, Data Manager, UCD Library

# Overview

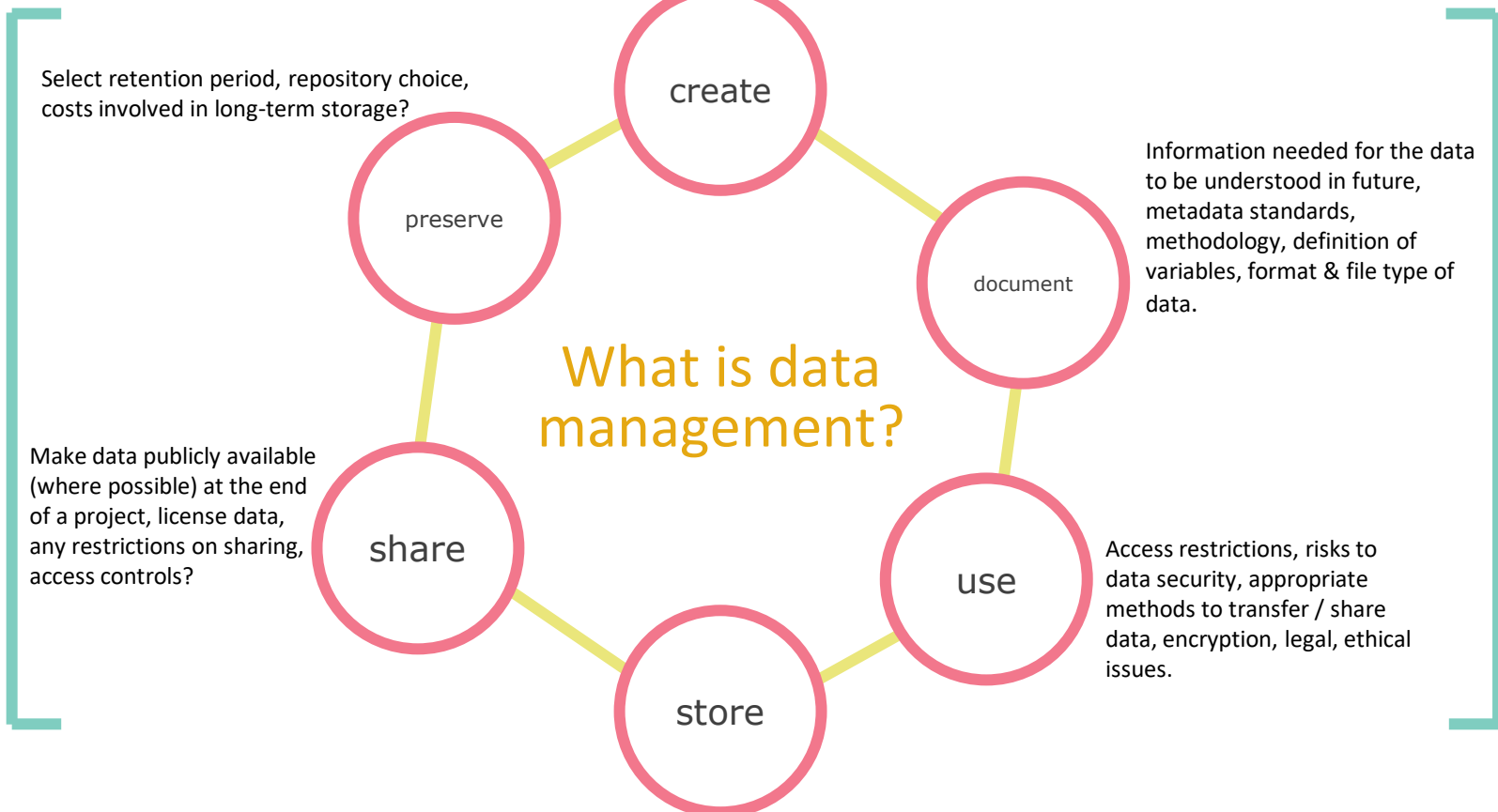
- Some context
- RDM supports in UCD
- RDM supports in UCC
- Mind the gaps



‘research data’ means documents in a digital form, other than scientific publications, which are collected or produced in the course of scientific research activities and are used as evidence in the research process, or are commonly accepted in the research community as necessary to validate research findings and results;

[Directive \(EU\) 2019/1024 On Open Data and the Re-use of Public Sector Information](#)

[The special collections by janneke staaks](#), CC BY-NC-SA 2.0



# FAIR Data Principles

A set of principles that describe the attributes data need to have to enable and enhance reuse, by humans and machines

Wilkinson, M. D. et al. The FAIR Guiding Principles for scientific data management and stewardship. Sci. Data 3:160018 doi: 10.1038/sdata.2016.18 (2016).  
[www.force11.org/group/fairgroup/fairprinciples](http://www.force11.org/group/fairgroup/fairprinciples)



# FAIR Data Principles

- Findable
- Accessible
- Interoperable
- Reusable

Wilkinson, M. D. et al. The FAIR Guiding Principles for scientific data management and stewardship. Sci. Data 3:160018 doi: 10.1038/sdata.2016.18 (2016).  
[www.force11.org/group/fairgroup/fairprinciples](http://www.force11.org/group/fairgroup/fairprinciples)

# 8 Pillars of Open Science/ Scholarship/ Research

- Fair Data
- Research Integrity
- Next Generation Metrics
- Future of Scholarly Communication
- Citizen Science
- Education and Skills
- Research and Innovation
- EOSC - European Open Science Cloud



# Benefits of Open Scholarship



## Researchers

- greater visibility & reach
- increased efficiency
- funding
- collaboration/networking



## Funders

- increased visibility & reuse of funded research
- greater funding impact
- greater ROI



## General Public

- faster knowledge transfer
- increased understanding and expertise
- promoting engagement in science & research



## Organisations/ NGOs

- enhanced access to research
- more effective advocacy/lobbying



## National Governments

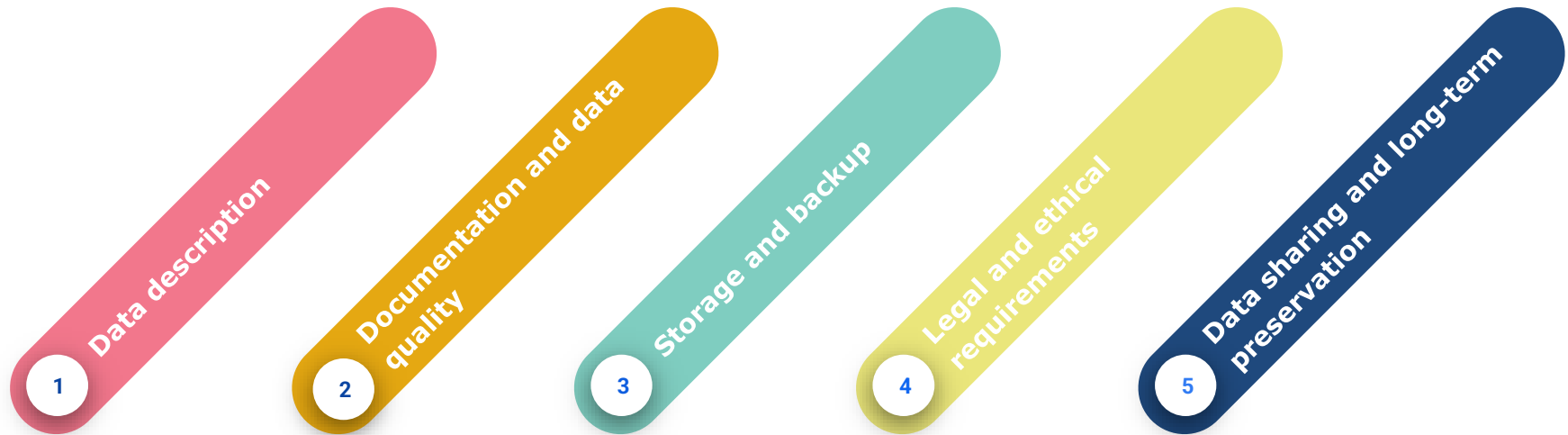
- evidence-informed policy
- promoting Human Rights and democracy



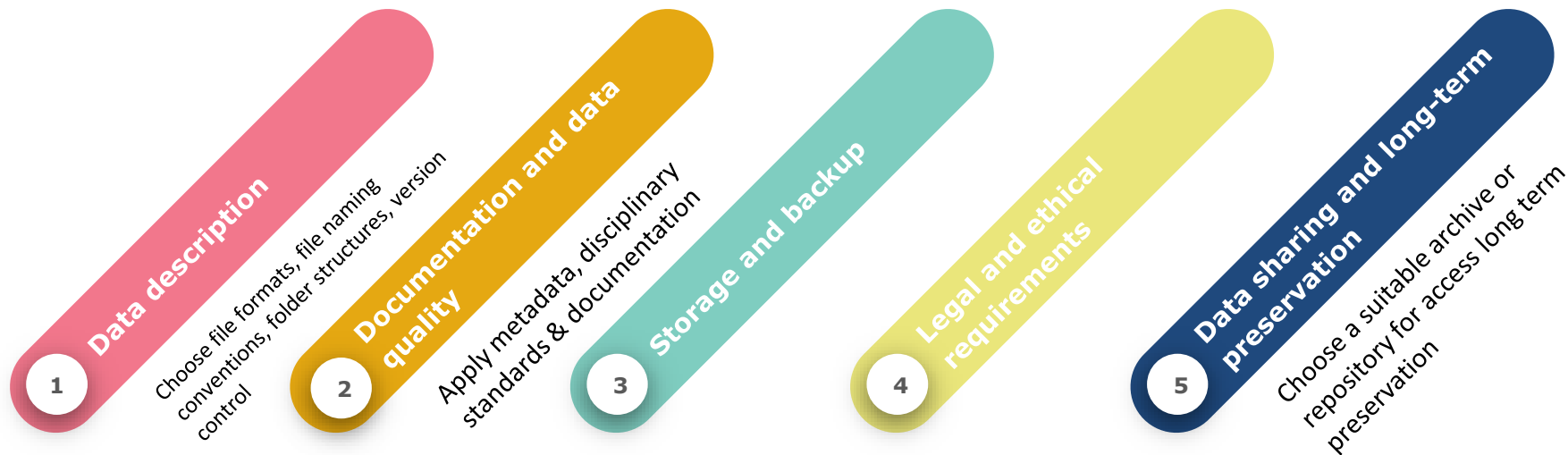
# What is a Data Management Plan?

A data management plan or DMP is a formal document that outlines how data is to be handled both during a research project and after the project is completed.

# Data Management Plans

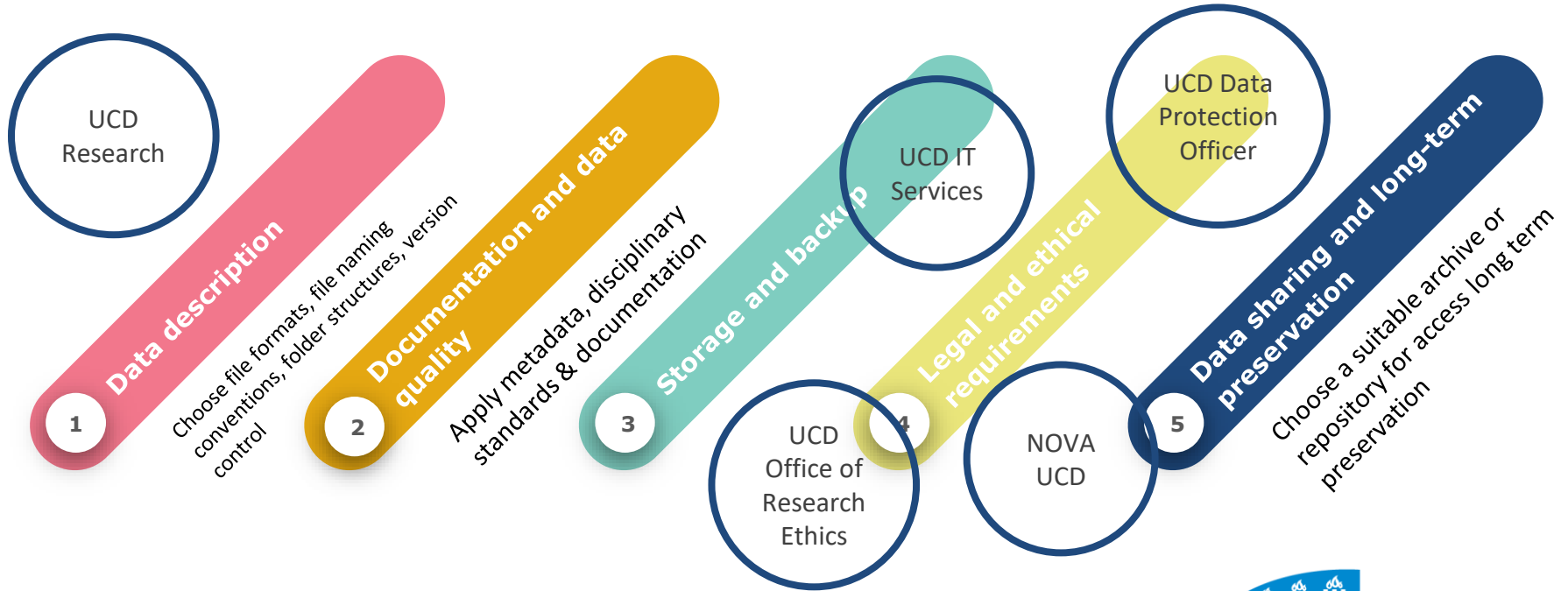


# UCD Library supports for RDM



Leabharlann UCD  
UCD Library

# RDM - a shared service



UCD Research Data Management Policy



Leabharlann UCD  
UCD Library

# UCD Library supports for RDM

## Self service guidance:

- DMPonline at UCD [dmp.ucd.ie](http://dmp.ucd.ie)
- UCD Library [Data Management Checklist](#)
- Research Data Management LibGuide [libguides.ucd.ie/data](http://libguides.ucd.ie/data)

## Training:

- Discover RDM series
- UCD Library Research Toolkit
- On request

## Support:

- Pre-award DMP review
- Post-award DMP review
- One-to-one consultation



Leabharlann UCD  
UCD Library



# Research Data Service

## Research Data Coordinator



Hi, my name is Dr. Aoife Coffey and I am the **Research Data Coordinator** for UCC. I provide advice and support for all aspects of data management from grant application stage to post-project. For information and support contact [aoife.coffey@ucc.ie](mailto:aoife.coffey@ucc.ie) or make an appointment.



**UCC**  
University College Cork, Ireland  
Coláiste na hOllscoile Corcaigh

**Library**  
LEABHARLANN



## Research Data Service

### SELECT A SERVICE

Grant application stage -Data Management Plan Review

Book an appointment advice on a data management plan review. [Read more](#)

1 hour

Active Data Management

For advice and support on all aspects of research data management. [Read more](#)

1 hour

Data Sharing and FAIRification

For support and advice on how to make your research data FAIR. [Read more](#)

1 hour

Other Data Management Queries

The Research Data Service is a University-wide service. [Read more](#)

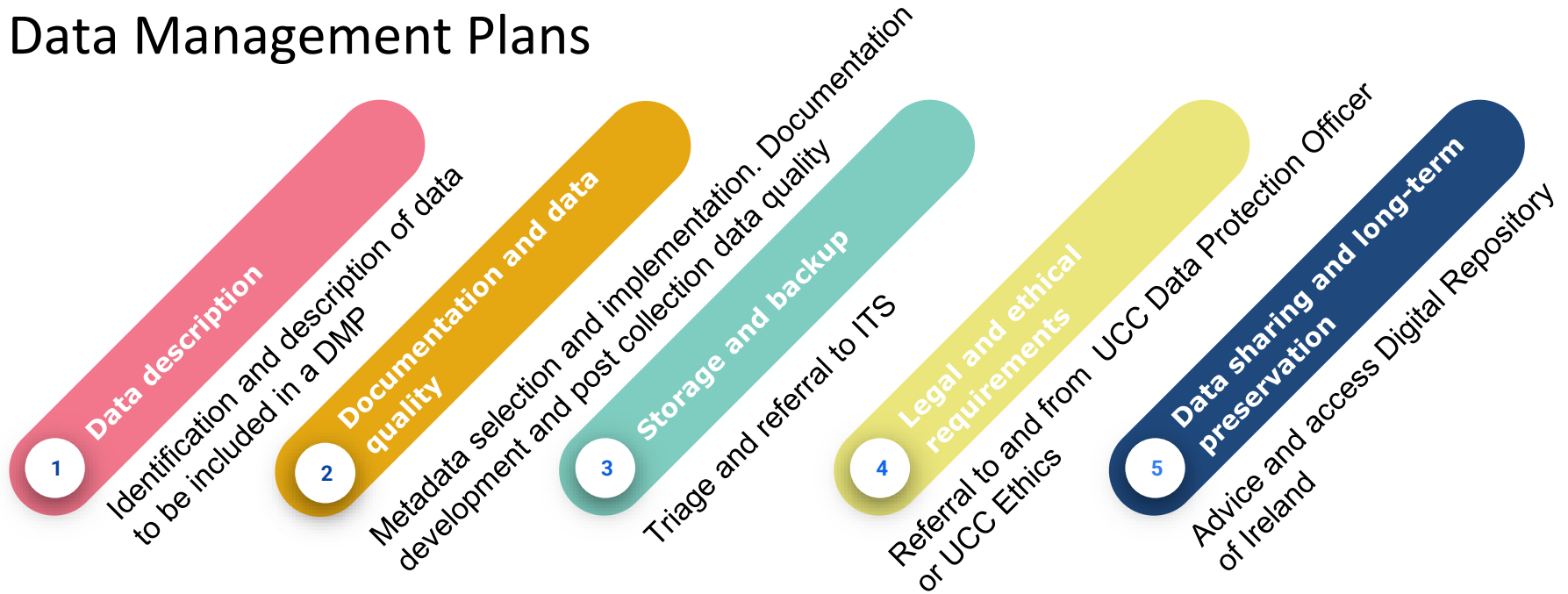
1 hour

Unit/Dept Level Review

For advice and support on how to make your research data FAIR. [Read more](#)

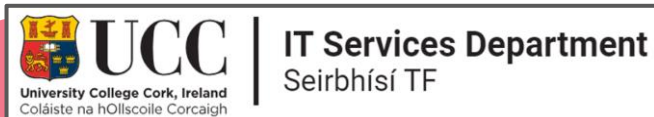


# Data Management Plans



- One to one appointment service
- Pre and post award advice
- Liaison with UCC Research, ITS and OCLA
- VLE Canvas units on FAIR and RDM
- Training scheduled and tailored
- Digital Badge in the Responsible Conduct of Research

# Key Stakeholders



Technology Transfer

UCC Ethics



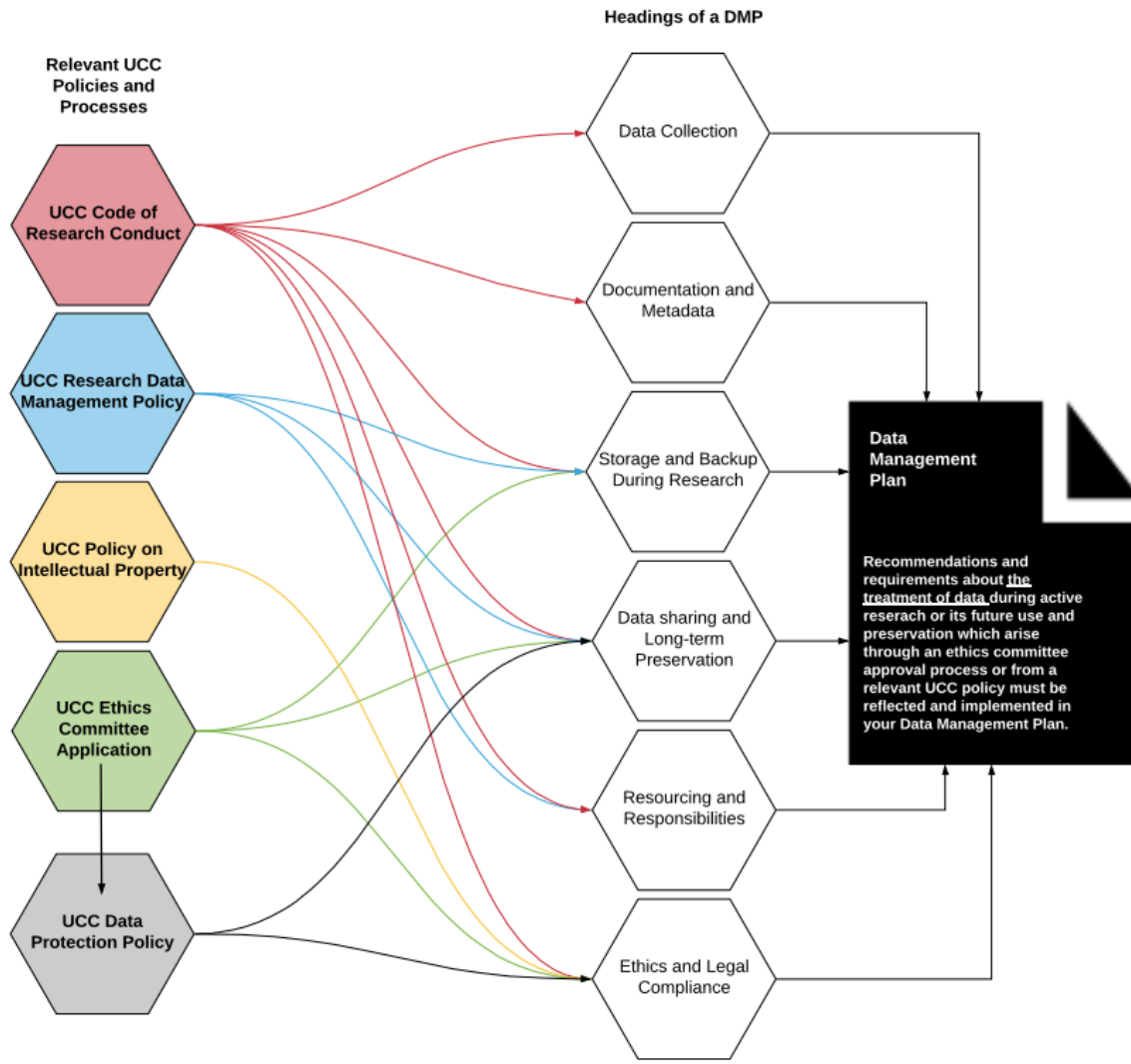
## Research Community

Research centre  
Diverse disciplinary needs  
Students  
Staff  
Research Support Staff

# Mapping of UCC Policies and Processes to the headings of a DMP.

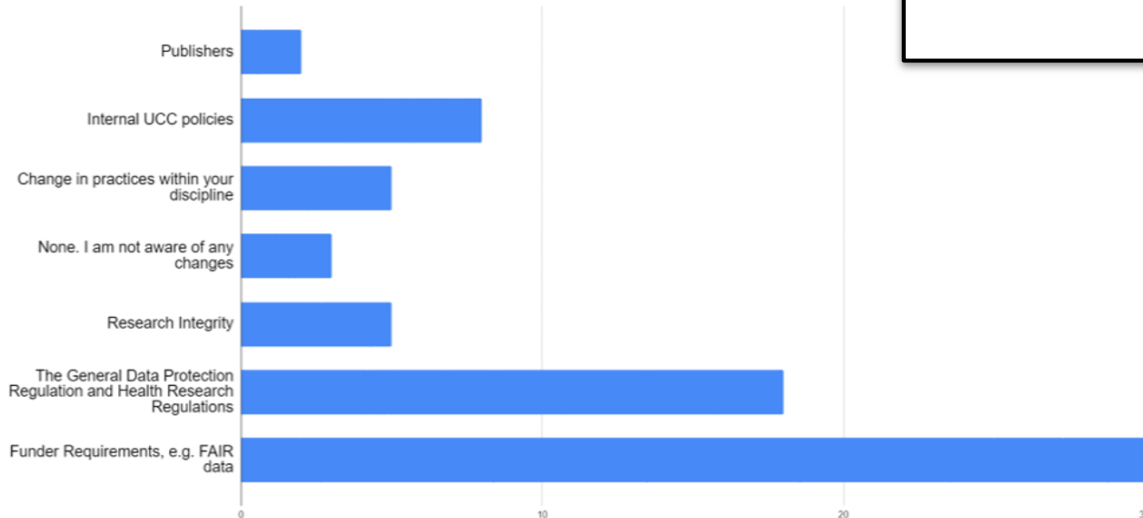
The structure of a DMP means that you are working across central units providing:

- Coordination
- Communication
- Triage
- Facilitating



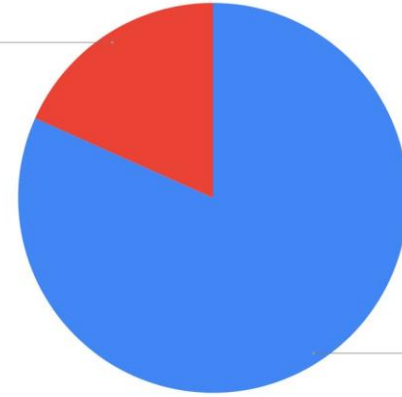
# UCC Data Stewardship Survey

In your opinion, which factor most influences changing data management practices?



Have you observed an increase research data stewardship activities in the last 3 years?

No  
18.3%

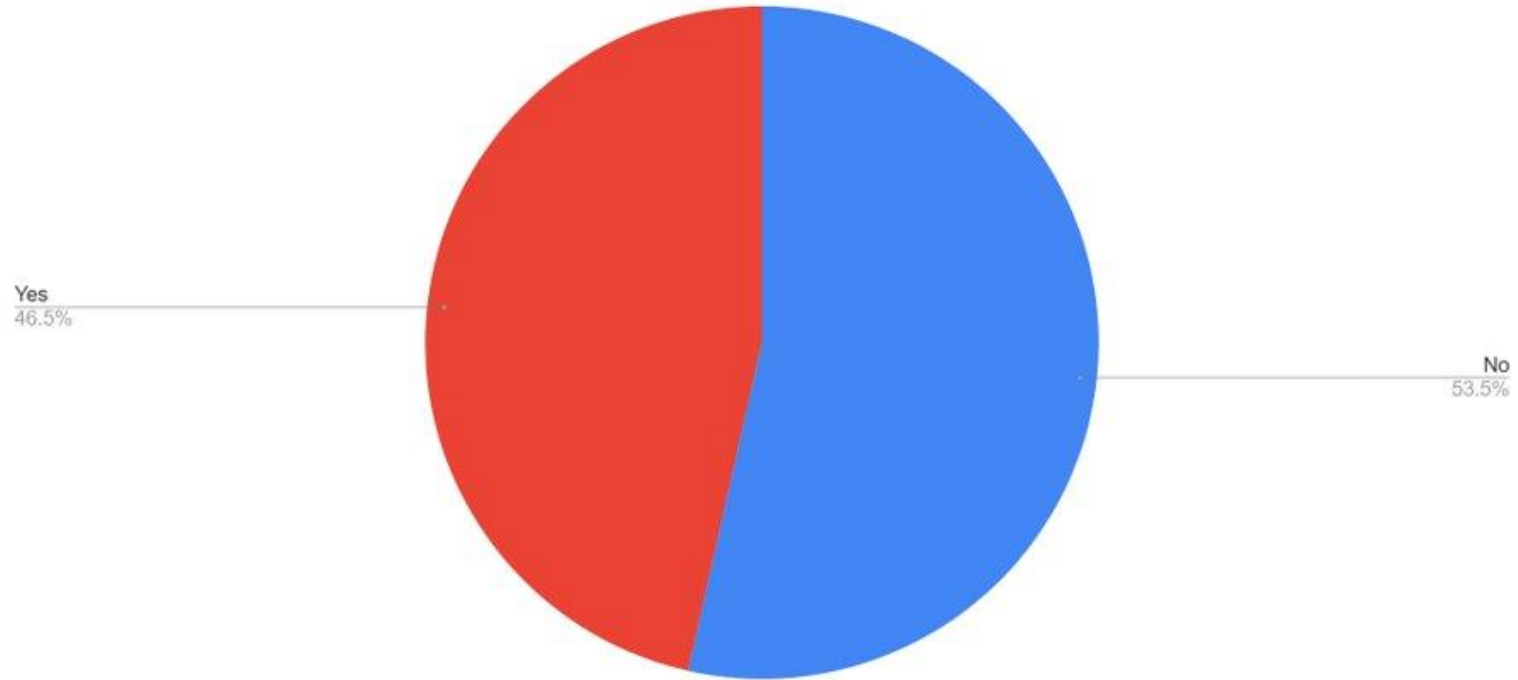


Yes  
81.7%



## Surprising finding !

Do you feel institutional supports are adequate to support your data stewardship activities?



We asked respondents to give an indication of their opinion of the importance of the various data stewardship activities



3. In your opinion please indicate the importance of each of the following research data stewardship activities during the data capture phase of a research project. [Capture- Generate metadata and documentation]



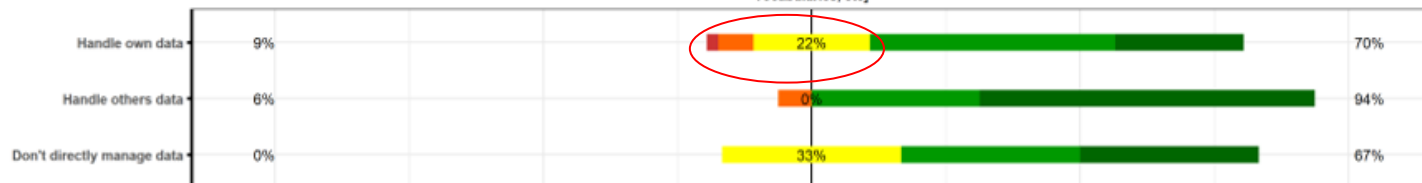
11. In your opinion please indicate the importance of each of the following research data stewardship activities during the data sharing phase of a research project. [Sharing- Identify & deposit to suitable data repository]



Q11. In your opinion please indicate the importance of each of the following research data stewardship activities during the data sharing phase of a research project. [Sharing- Publish data descriptor/article (e.g. Scientific Data)]

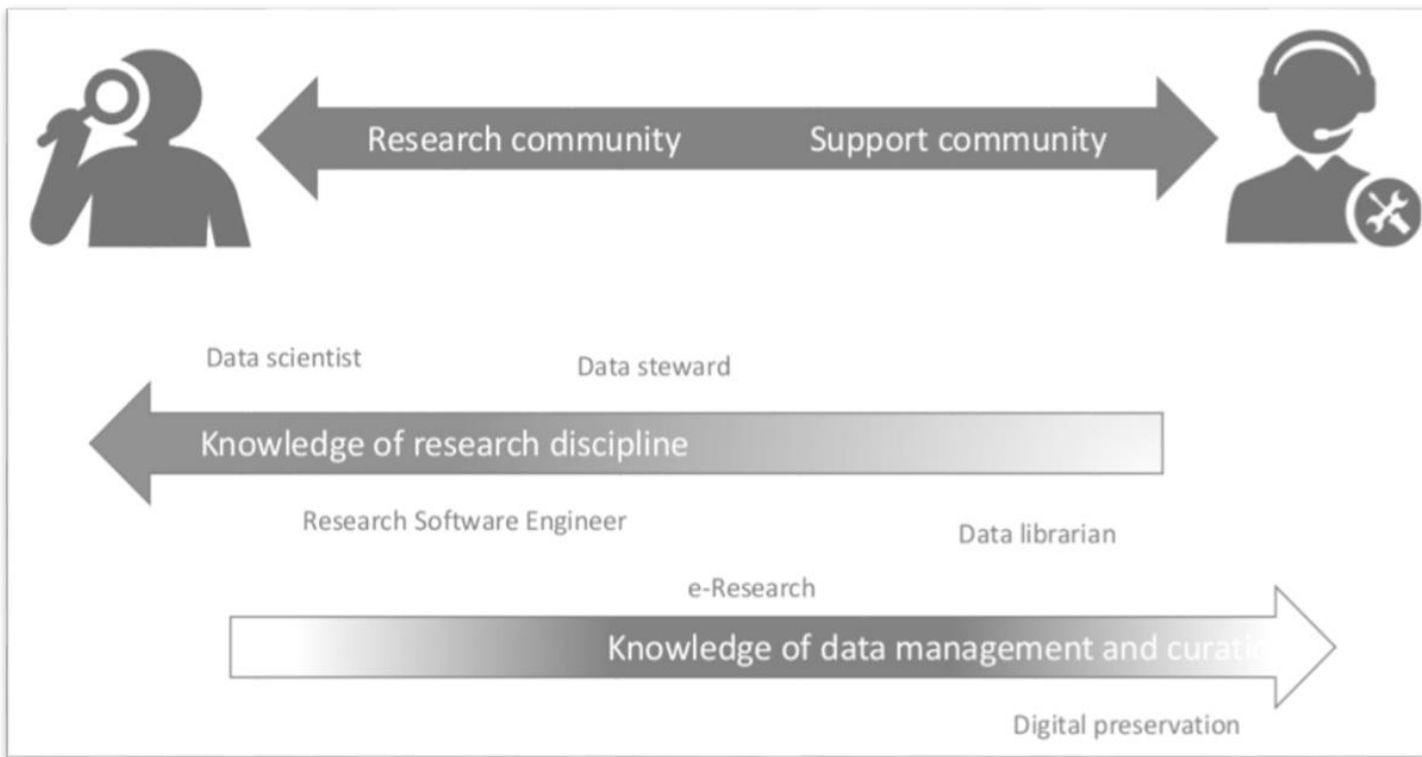


Q8. In your opinion please indicate the importance of each of the following research data stewardship activities during the planning phase. [Plan- Advise or Identify Metadata standards, vocabularies, etc]



## Future Plans

## Mind the Gaps



Sara Jones <https://www.slideshare.net/sjDCC/rdm-skills> CC Attribution-NonCommercial-NoDerivs License

# Beyond local actions and resources

- National infrastructure to support research data
- Support for big data, compute needs
- Translation of international opportunities infrastructure opportunities to local context
- Signposted links and access routes to EU infrastructure
- National data stewardship network



**EUROPEAN OPEN  
SCIENCE CLOUD**





# THANK YOU

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Jenny O'Neill, Data Manager, UCD Library, [jenny.oneill@ucd.ie](mailto:jenny.oneill@ucd.ie)