# Introduction:

**Data Management: data storage, description, re-use and archiving.**

The research data landscape is evolving.  International publishers and funders are now mandating for best practice in data planning, description, storage, and sharing.  This presentation, being facilitated by the Research Support Unit and Subject Librarian Justin Farquhar, you will take the first steps in research data management and get some practical experience to improve your practices.

# Resources Required:

* GitHub repository resources – webpage for students
* Marker Pens (for writing on post-its)
* Post It notes
* Whiteboard markers
* DMP handout (paper version of DMPt)

# Lesson Outline:

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| Activity | Time Guideline |
| Introduction:   * Greet students and introduce presenters * Outline how the session will run with post it notes, helpers and exercises * Introduce the concept of Data Management – What does Data Management mean? Sharing, getting credit for data and preserving data. Types of items as data. | 10m |
| First Activity: Activity 1 Describing data for preservation and reuse  * View data file * Decide on metadata standards they would apply * Show other metadata fields which could be used * Students look at the data file and discuss DMPt exercise: Show and tell of DMPt and get them to start their paper copy… follow up with discussion: * Did the DMP help you think more holistically about your data? How? * What questions were the hardest to answer? Why? | 20m |
| Second Activity: Uploading data to a repository  * Figshare – Explanation of Figshare and its usefulness for data management * Sign up to Figshare * Overview of the Figshare interface * Describe the data file in Figshare | 15m |
| Third Activity: Adding a data record to ORCID  * ORCiD – Explanation of ORCiD and why it is needed * Sign up to ORCiD for those who haven’t got an account * Explanation of the interface and rundown of its capacity for biography, interconnectivity with other research products * Link to Figshare file to demonstrate ownership and promote availability of data files if time. Otherwise describe hoe ORCiD will pick up the added file automatically | 10m |
| Conclusion – Summarise process  Delete file from Figshare  Advertise the Pg workshop  Video if time | 5m |