Research Data Training from *Nature Research Academies*

- 2-day workshop
- For 15-30 researchers and tailored to your researchers' disciplinary background

Day 1

9.30-10.00am	Registration and coffee
10.00-10.15	Welcome and introductions
10.15-11.45	**Module 1: The Context for Data Sharing** · Understanding the global context for data sharing · How data sharing policies impact on researchers · The benefits of data sharing This module provides the context for the Open Science and data sharing movement, and why it is important for researchers to share their data. The common drivers for data sharing, including institutional, funder and journal policies are covered, as well as the ways that data sharing requirements impact directly on researchers. The benefits to both researchers and to the wider researcher community are also discussed.
11.45-12.00	Coffee break
12.00-1.30	**Module 2: From active data to archived data** · Storing data while research is conducted · Metadata and how it's captured · Finding appropriate repositories This module introduces the practical aspects of data sharing which researchers will need to understand before making their data openly available. The importance of metadata, and practical ways to capture it are discussed, as well as the necessity of storage and back-up while research is being conducted. Participants will also learn how to identify appropriate repositories for data sharing.
1.30-2.30	Lunch
2.30-4.00	**Module 3: Sharing sensitive research data** · What makes data sensitive · Preparing sensitive data for sharing · Approaches for sensitive qualitative and quantitative data This module addresses challenges and techniques in sensitive data sharing. Participants will learn how to address the collection and dissemination of sensitive data, including preparation before their research begins. Techniques for anonymising or de-identifying data are also discussed, with reference to both qualitative and quantitative sensitive data.
4.00-4.30	Wrap-up and close

Day 2

9.00-9.15	Welcome and recap
9.15-10.45	**Module 4: Practical Application of the FAIR Data Principles** · Describe the content and context of the FAIR principles · Discuss techniques for making your own data FAIR(er) This module gives an in-depth introduction to the practical applications of the FAIR Data Principles, a standard for data sharing which all researchers should be familiar with. The ways that researchers can apply the principles to their own data are discussed with contextual examples, as well as the relevance of these standards to

	all aspects of data infrastructure.

10.45-11.00	Coffee break
11.00-12.30	**Module 5: Data Publishing** · Recognise methods for finding other people's data. · Describe the range of options available for sharing and publishing your data. · Describe methods to improve the discoverability of your own data. In this module, the breadth of options for data publication are described. Participants will learn about publishing options for data papers and data journals, as well as the way metrics can be used to track use and citation of their data. Data indexing is also discussed.
12.30-1.30	Lunch
1.30-3.00	**Module 6: Allowing reuse and gaining credit for your research** · Data sharing and terms of use · Reviewing data licences · The importance of data citations In this module, external data sharing is considered. Copyright for data and data licensing options are reviewed and their value is described. The importance of data citation is discussed, and participants will prepare data citations based on best practice examples.
3.00-3.30	Wrap-up and close