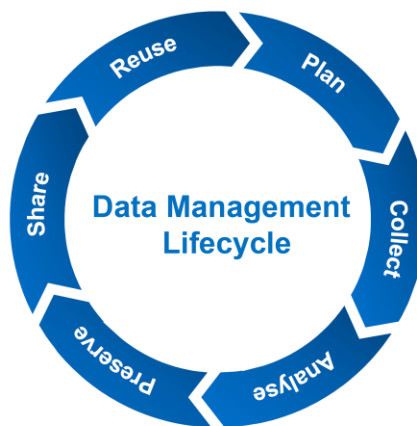**Data Management Plans in the scope of an accepted proposal at GSI/FAIR**
v1
02.08.2024

Research Data Management encompasses all aspects of handling research data, from planning, its generation and processing to publication, long- term archiving, and eventual deletion, while adhering to the principles of good scientific practice. The process follows a life-cycle approach, including planning, collection, analysis, preservation, sharing, and reuse. By following this cycle, research data is carefully managed, and enables it to be made openly available and reusable to a broader community in line with the F.A.I.R. principles of Research Data Management. The GSI/FAIR Research Data Management Policy and Guidelines are available for consultation.

Good Research Data Management practices include the preparation of a **Data Management Plan** (**DMP**) which outlines how data are to be handled both during a research project and after the project is completed. This includes how research data will be collected, processed, stored, and shared, with information given on data formats, publishing methods, and legal and ethical aspects.

Within the scope of an accepted GSI/FAIR experimental proposal, it is strongly recommended to prepare a DMP in advance of the beamtime. This helps to assess requirements, logically plan the handling of data, and to think on best practices when it comes to making data openly accessible. A DMP should act as a living document, and updates made as the project progresses, where needed. The responsible experimentalist should complete this, or assign the responsibility to a co collaborator.

GSI/FAIR offers the software RDMO (Research Data Management Organiser) for the preparation of DMPs. This tool is available to all users who have a GSI Weblogin. This tool simplifies the process of preparing and updating DMPs within a project. Within the software, catalogues for GSI/FAIR projects, as well as for Horizon Europe projects can be found.
For help, Instructions on using RDMO are available.

After a completing a DMP for a given accepted experiment, the Research Data Management Coordinator/Research Director will evaluate the DMP and offer advice if needed.

Advice and support in the preparation of a DMP can be obtained by contacting rdmo-help@gsi.de (Dr. Andrew Mistry)