

Research Data Management and Metadata in Plasma Technology

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The interdisciplinary nature of current research in the field of plasma technology gives rise to the question of how research results in the different fields of science (physics, chemistry, biology, medicine and very recently agriculture) can be effectively linked together and made accessible and reusable for scientists and industry in the different fields. A basic requirement is that all research data are findable, accessible, interoperable and reusable in accordance with the FAIR data principles. Therefore, the establishment of a community standard for metadata in plasma technology is required. The present contribution reports on first efforts to develop a metadata schema for the description of research data in applied plasma physics and plasma medicine and to build a repository for the management of research data at INP in Greifswald.