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FAIR-Based Strategy for Data Management and Handling in Large Climate Modeling Projects: Experiences from PalMod-II

Here we present the research data management (RDM) approach developed and employed for project PalMod-II, making large scale climate model data available for reuse by the global paleo-climate science community in-line with the FAIR (Findable, Accessible, Inter-operable, Reusable) data principles. The compilation and maintenance of a project-wide data management plan (DMP) was prepared and maintained for keeping the project on track and serving as a central focal point for all data-related aspects. These include the specification of data responsible scientists, allocation of storage and compute resources on a high-performance computing system, documentation of simulation output requirements, definition of (meta)data standardisation, and publication workflows in-line with the FAIR data principles.

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Keywords

RDM, DMP, FAIR, Climate model data, data standardization

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