

The initial Data Management Plan for PalMod II FAIR simulation and paleo data from the Last Interglacial to the Anthropocene

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Centre for Materials and Coastal Research





Federal Ministry of Education and Research



DLR Project Management Agency

PalMod II: 14 research partners provide **4PB** of simulation data plus a few GB of paleo data.

PalMod Research Data Management (RDM) will1) support the data workflow within the project2) ensure FAIR RDM practice and reusability for the scientific communityFindableA ccessibleI nteroperableR eusable

Parts available after 2022 at: ESGE WDC



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~180,000 simulation years from 3 earth system models for three key periods studying the physical climate system, biogeochemistry and introduce new components like ice sheets, solid earth, and oxygen isotopes

meet

data synthesis efforts for marine sediments, lake sediments and vegetation as well as reconstruction efforts from the last interglacial until the anthropocene.

A treasure trove of potential synergies for paleoclimatological progress but ...

Researchers from 14 institutions with different ideas about data policy plus a spider's web of dependencies between tasks require a dedicated data management to

foster communication, clarify dependencies, establish time lines and provide access channels.

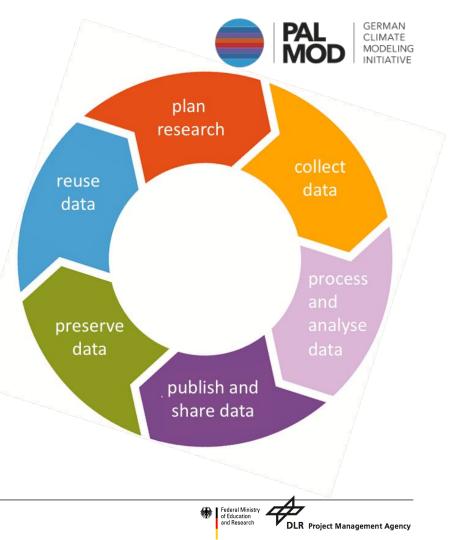
Background: Credit: Alicia Morugán (distributed via imaggeo.egu.eu)

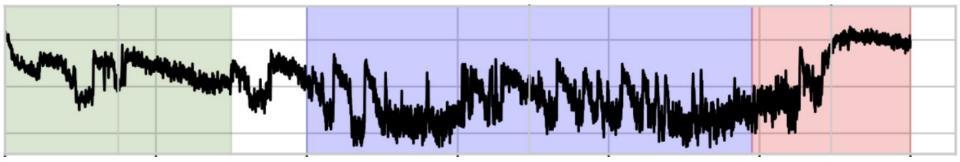
PalMod II - Data Management

In PalMod II, a team of research data management specialists and scientists is responsible for the project-wide research data management (RDM)

RDM covers the entire "research data life cycle"

The data management plan (DMP) documents the steps necessary to achieve this "life cycle"



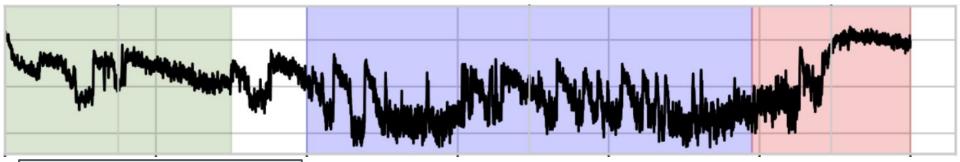


The PalMod II DMP will evolve over time and will account for project developments

It clarifies dependencies between all work packages. It is designed to cater to the needs of the scientists.

Project 1st, community 2nd (FAIRness) Only then can the project succeed.

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Data Management Plan for PalMod II

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Initial version of the DMP is finalised

PalMod II partners provide essential feedback and are involved in the process

Open issues remain, e.g. data publication strategy, data intensive collaboration across HPC systems or time lines

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Achieving FAIR PalMod II Data

DataCite



F - Findable



A - Accessible





I - Interoperable

R - Reusable



NetCDF, CF-Conventions, PaCTS



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