



Workflow tools for long-term storage of geoscientific data and education of future scientists in data management

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Data management in geosciences, especially at university and other research institutes requires very good coordination. But due to changing staff and limited funding this topic has no priority in general.

But long-term storage of geoscientific data becomes increasingly important, as well as the access to and the use of continuously and temporarily collected data, including documentation of these data. Long-term availability of meteorological data is essential for monitoring climate and climate change.

The intention of the project EWIG (Developing workflow components for long-term archiving of research data in geosciences, funded by **Deutsche Forschungsgemeinschaft**) is to support geoscientists in transferring their data in a standardized way for storage in digital long-term archives. Data management as part of educational training is highlighted in this project. University lectures were started to teach future scientific generations from the beginning on how to deal with all sorts of different data in a transparent way.

Project partners are **Institut für Meteorologie, Freie Universität Berlin, Deutsches GeoForschungsZentrum Potsdam** and **Konrad-Zuse-Zentrum für Informationstechnik Berlin**.

The city measuring network, operated by the IfM, provides meteorological time series of data measured every minute for example for urban climate studies. The workflow starting from recording the data, including quality checks and preparing metadata, up to the storage in a long term archive will be a model for an exemplary data management.