



PERMOS Data Policy

This document outlines the policy of the Swiss Permafrost Monitoring Network (PERMOS) regarding the sharing of PERMOS data and products. PERMOS is carried by six partner institutions: ETH Zurich (ETHZ), Universities of Fribourg (UniFR), Lausanne (UniL) and Zurich (UZH), University of Applied Sciences and Arts of Southern Switzerland (SUPSI), WSL Institute for Snow and Avalanche Research SLF (SLF). It receives substantial funds from the Federal Office for the Environment (FOEN), the Federal Office of Meteorology and Climatology (MeteoSwiss) in the framework of GCOS Switzerland, and the Swiss Academy of Sciences (SCNAT). The objective of this policy is to ensure and facilitate full and open access to scientific data and data products. The PERMOS Data Policy is binding for all use of PERMOS data and data products.

The PERMOS Data Policy is subject to regular review by the PERMOS Steering and Scientific Committee and is part of the Appendix of the PERMOS Agreement 2019–2022. Any modifications to the policy require a revision of the PERMOS Agreement 2019–2022.

1 Collected Data

As used in this document, the term «*data*» refers to raw data, metadata and data products (i.e., processed data). It includes field data obtained in the scope of and with financial support of PERMOS as well as related documentation and metadata. The following types of data are collected: ground surface temperatures, borehole temperatures, meteorological data, geophysical surveys and terrestrial geodetic surveys¹.

2 Data Submission

All data of long-term value obtained in the scope of and with financial support from PERMOS as well as related metadata must be submitted to PERMOS for long-term archiving and dissemination.

Deadline for submission for observational data and metadata is the 31st of October after the end of the observation period (i.e. hydrological year). For example, data of the hydrological year 2018/2019 have to be submitted by 31st of October 2019.

Data submitted to PERMOS have to conform to the defined format and will be processed, quality checked and documented by the PERMOS Office (PO). Raw data of all measured parameters also have to be submitted to facilitate future re-processing and to ensure traceability. Update of the data sets following quality checks should be submitted as soon as available, preferably within one year after initial submission. Updates of metadata (e.g. changes in the measurement system) have to be submitted together with the observational data.

3 Data Sharing Policy

3.1 Open Access

All PERMOS data are considered public domain for non-commercial use and will be made openly available. Commercial use of the data requires a particular contract with PERMOS and is otherwise prohibited. Public domain data is freely available via the PO or tools provided by the PO.

3.2 Acknowledgement

Acknowledgement for PERMOS data in publications have to be in the following form:

- 1) For graphs/illustrations generated and provided by PERMOS, when using the data in graphical form, or when using a larger part of the data set so that naming individual institutions is cumbersome, add to the caption: «Data source: Swiss Permafrost Monitoring Network (PERMOS)». It is up to the data users to additionally acknowledge the responsible PERMOS partner institution(s).
- 2) For all other use of PERMOS data the acknowledgements (or corresponding section) must include that « ... data are provided by [*name of investigator(s) and/or institution(s)*], as part of PERMOS, supported by MeteoSwiss(in the framework of GCOS Switzerland)/BAFU/SCNAT.»

¹ For air photos and related products, the ownership needs to be clarified and the data policy will be adapted.

It is up to the author(s) to offer co-authorship to the investigator(s)/institution(s) who collected the data. PERMOS strongly recommends contacting the responsible PERMOS partner institution(s) to their information and to obtain detailed information on data acquisition and processing.

4.3 Publication and DOI-Number

PERMOS data is regularly published with a PERMOS DOI number:
10.13093/permos-[Subset]-[Year]-[Consecutive_number]

Subsets can be published for different data types such as bh (borehole temperatures), gst (ground surface temperatures), meteo (meteo data), tgs (terrestrial geodetic survey), ert (electrical resistivity tomography).

4.4 Exceptions

Exceptions to this policy sought by a PERMOS partner institution must be fully documented by the PERMOS partner institution and approved by the PERMOS Steering Committee.

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