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MASTER'S THESIS

TITLE: DEVELOPMENT OF HYDRO-METEOROLOGICAL VARIABLES IN THE RESEARCH
BASIN PÖLLAU

TIME PERIOD: DO BE DISCUSSED

LANGUAGE: ENGLISH OR GERMAN

MOTIVATION AND AIMS OF THE STUDY

The hydrological research basin Pöllau was established in 1979. Since the beginning, various hydro-meteorological variables have been recorded. Recently, the data have been reviewed in terms of data quality and used for preliminary trend analysis with respect to temperature, precipitation, and stream flow.

The aim in the current work is the detailed investigation of available hydro-meteorological data with respects to trends and variations. Based on the observed data, climate change scenarios should be applied to predict possible future developments along with their impact on current water resource management and agricultural practices.