This project will provide a coordinated strategy for software and data management for ClimXtreme. It will support the programme by providing an infrastructure for the consistent assessment of climate extremes in simulated and observed data. The technical infrastructure is based on a hardware environment and a software framework that was developed and successfully used by a comparable community in a previous BMBF research programme (MiKlip phase I & II). It consists of a computation server and a storage infrastructure with appropriate capacity to serve the needs of the community. It is used to operate an evaluation framework (by Freva) and as storage system to provide a variety of simulated and observational datasets. This X-CES platform will be used as a starting point for further improvements of the evaluation framework and the reference datasets. Within CoSoDaX the development will focus on new verification packages by other ClimXtreme modules A, B, C specifically addressing extremes. The verification and analysis of extreme events also leads to additional requirements on observational reference datasets. This issue will be addressed in the project contribution of DWD. In recent years, regional reanalyses have come up as a new data source that provides consistent high-resolution data of a wide range of atmospheric parameters. This data source has not yet been systematically exploited for extreme event studies. First studies show a high potential of the datasets to accurately represent selected extreme events. The COSMO-based reanalysis will be integrated into the evaluation framework and a basic assessment of the representativity of extreme events will be performed. In addition to that, assessments of station-based time series and an extreme event catalogue will be provided to the ClimXtreme consortium including distinct meta data assessment for the provision of data.