



Cold winters in Poland in the period from 10th century to the first decade of 21st century

D. Limanowka, E. Cebulak, and R. Pyrc

Institute of Meteorology and Water Management, Centre for Poland's Climate Monitoring, Warsaw, Poland
(Danuta.Limanowka@imgw.pl)

Extreme weather phenomena together with their exceptional course and intensity have always been dangerous for people. In the historical documents such phenomena were marked as basic disasters. First notes about weather phenomena were made in Polish lands in the 10th century. Research included extremely cold and snowy winters which were described in historical documents as a extreme meteorological phenomena. Data from the period of instrumental measurements in the 20th century were studied in detail. The results were referred to last 500 years. The information obtained gives approximate image of extreme winters in the historical times in Polish lands. All available multi-proxy data were used