

Abstract

Hydrological phenomena are natural processes that shape the landscape around us in the long-term and in some cases threaten our property or health. Dendrochronology is one of the methods of research of these phenomena and reconstruction of past hydrological events, that can be then used to predict and plan security measures in the future. The possibility of using a variety of dendrochronological methods in applied research, we can see in the meta-analysis of scientific studies available in electronic and printed form. The main finding of meta-analysis is a significant geographical disproportion in dendrohydrological survey. It also introduces a wide range of indicators, which are observed in various hydrological phenomena and also demonstrates application of dendrohydrological methods on specific studies.