



Long-term temperature and precipitation variations in Romania. Correlation with the Atlantic Ocean variability

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It has been recognized that the North Atlantic Oscillation (NAO), one of the important modes of large-scale variability in the Northern Hemisphere, plays also an important role at the regional scale of the Romanian territory. A study on the relationship at long-term temporal scales between the NAO index and surface air temperature and precipitation in Romania, based on 100 - 150 year records in 14 stations is presented, together with a discussion on the relationship with the variabilities of the Atlantic Multidecadal Oscillation (AMO) and of the solar activity.