
POSSIBLE COMPENSATION OF NEGATIVE CLIMATE CHANGE IMPACTS USING THE LOCALITIES FOR POTENTIAL ACCUMULATION OF SURFACE WATER

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Keywords: water reservoir – deficit – climate change
– adaptation

The list of localities potentially suitable for accumulation of surface water (LASW) exists in the Czech Republic from the beginning of 20th century. It has been reduced several times from several hundreds to 65 localities which are now described in the Master Plan for LASW. The elementary information on the potential volume, conflicts with socio-industrial development, environmental protection etc. has been provided in the past. In the context of possible climate change in the future decades it is necessary to assess the extent to which the drought characteristics (severity, frequency) might change and whether the potential reservoirs at LASW might be able to compensate for such changes. The paper presents first results of a new research project, the aim of which is to provide information for the updates of the LASW Master Plan with respect to the suitability of each locality and the parameters of the reservoirs.