

## POTENTIAL OF THE NATURE-FRIENDLY MEASURES APPLICATION FOR WATER RETENTION IN THE LANDSCAPE AND IMPROVEMENT OF THE ECOLOGICAL STATUS OF WATER BODIES

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**Keywords:** drought — water retention — nature-friendly measures — measures in the catchment area — small water reservoirs — measures on watercourses — biological quality elements

An analysis and assessment of the nature-friendly measures potential for water retention in the landscape were carried out as a part of the work on the concept of protection against drought impacts in the Czech Republic. Selected types of area measures (on agricultural and forest land), small water reservoirs and measures on watercourses were assessed, including their potential impact on the biological elements of the ecological status. The recommendations of appropriate types of measures to increase the water retention in the landscape are the result of this assessment. These recommended types of measures will contribute to the improvement of the ecological status of the water bodies or at least not impair it. The effectiveness of the proposed measures was verified in the Husí brook pilot catchment by modeling in the HEC-HMS software.