



## **Analyses of water temperature regime at Danube and its tributaries in Croatia**

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Changes of water temperature regime along the Sava, Mura, Drava, and Danube Rivers in Croatia during last twenty to sixty years are investigated. Minimum, mean and maximum annual and monthly water temperatures measured at thirteen gauging stations are analysed. Massive construction in the Danube basin and on the rivers themselves during last centuries caused many different and possibly dangerous changes of temperature regime along the Danube River watercourse as well as at the watercourses of their main tributaries. Accent in investigation is put on changes occurred during last thirty-odd years, probably caused by climate change and/or variability. Methods of rescaled adjusted partial sums and linear trends are used in order to explain changes in the water temperature regimes.