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Survey of Radioactivity along the Bosna River

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The Bosna River is a tributary of the Sava River. It flows through the central part of Bosnia and Herzegovina. Along the Bosna River course, high density of settlements, agricultural areas, industries, not existing or not properly functioning urban and industrial
wastewater treatment plants contribute largely to the rivers excessive pollution. The main objective of the project "Development of a Decision Support System for Reducing Risk from Environmental Pollution in the Bosna River"is identification of major risks related to environmental pollution in the Bosna basin and formulation of recommendations for technical solutions for the pollution reduction (removal). The project has been financed by the North Atlantic Treaty Organization (NATO) the Science for Peace and Security Programme and has been implemented as a partnership between two water research institutes: the Slovak National Water Reference Laboratory from Bratislava and the Hydro Engineering Institute Sarajevo, Bosnia and Herzegovina. In the frame of this Project an assessment of general radiological conditions in the Bosna River has been carried out. This work presents the results of natural and anthropogenic radioactivity in water and sediment samples collected along the Bosna River to assess the possible impacts of radionuclides on the surface water quality.

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