

Danube Hazard m³c

Tackling hazardous substances pollution in the Danube River Basin by Measuring, Modelling-based Management and Capacity building

The Danube Hazard m³c project, funded by the Interreg Danube Transnational Programme, started in July 2020. Building on the three elements of water governance (measuring, modelling and management) complemented by capacity building, it pursued the ambitious goal of paving the way for a durable and effective transnational control and reduction of hazardous substances (HS) water pollution within the Danube River Basin (DRB). Specifically, the project aimed to improve the knowledge and understanding of the status quo of HS water pollution in the DRB, by integrating and harmonizing available existing data of HS concentration levels across environmental and anthropogenic compartments and by modelling emissions at catchment scale in seven pilot regions. Another pillar of the project was the demonstration of a cost-effective, targeted and harmonized monitoring campaigns conducted in the pilot regions to fill critical gaps needed to provide a robust basis for modelling and management. Based on the new knowledge and system understanding gained thanks to monitoring, inventorying and pathway-oriented modelling, the source-oriented DHSM model (stemming from the SOLUTIONS model) was extended and enhanced to model emissions and contamination levels of hazardous substances for the whole DRB and to analyse different management scenarios. Last, the project organized a series of national, regional and international trainings and workshops to enhance the competences and to stimulate the dialogue among the actors responsible of water quality management regarding the many technical aspects of HS pollution.

At the final conference the highlights of the project, its main outcomes, lessons learned and ideas for the future of HS management and policy guidance in the DRB will be presented.

30.11.2022

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Final Conference

Convened by Dr. Ottavia Zoboli and Prof. Matthias Zessner (TU Wien, Lead Partner), Adam Kovacs (ICPDR, project partner)

Chair: Matthias Zessner, TU Wien

Time (Vienna)	Presentation	Presenter
10.45-10:55	Danube Hazard m ³ c – Why and what?	Ottavia Zoboli TU Wien
10:55 -11:10	Implementing a harmonized, extended and targeted monitoring to support the inventory of hazardous substances – results and lessons learned from our pilot regions	Radoslaw Tonew Bulgarian Water Association
11:10-11:25	Towards a transnational and harmonized inventory of hazardous substances – how to get more information out of available data, what is still missing?	Adrienne Clement Budapest University of Technology and Economics
11:25-11:40	Modelling emissions of hazardous substances as tool to support management – experiences from pilot regions to the Danube River Basin	Jos van Gils Deltares
11:40-11:50 Min	Danube Hazard m ³ c – lessons learned for policy guidance	Adam Kovacs ICPDR
11:50-12:00	Q&A	