

Seminar of the Joint Expert Group on Water and Industrial Accidents:

*Seminar on emerging risks in accidental water pollution:
focus on natural hazard-triggered accidents*

Budapest, Hungary and online, 5 October 2022

– Draft provisional agenda (as of 16 September 2022) –

Opening

Moderator: Mr. Péter Kovács, Head of River Basin Management and Water Protection Department, Ministry of Interior, Hungary and Co-chair of the Joint Expert Group on Water and Industrial Accidents

09:30–09:35	Welcome	Opening of the meeting by the Co-chairs of the Joint Expert Group on Water and Industrial Accidents, <i>Mr. Péter Kovács, Head of River Basin Management and Water Protection Department, Ministry of Interior, Hungary and Mr. Bojan Srdić, Senior Advisor, Ministry of Environmental Protection, the Republic of Serbia</i>
09:35–09:45	Opening remarks	Emerging risks in preventing accidental water pollution: climate-related weather events, Natech and accidental water pollution <i>Representative from the Ministry of Interior, Hungary (Speaker tbc)</i>
09:45–10:00	Opening remarks	The role of the Joint Expert Group on Water and Industrial Accidents in addressing Natech and climate change: current instruments and future action <i>Joint Secretariats of the Water Convention and the Industrial Accidents Convention</i>

Challenge 1 – Understanding and preventing accidental water pollution as a result of natural hazards (Natech): lessons learned

Moderator: Mr. Pavel Danihelka, Professor, Head of Laboratory of Risk Research and Management, Faculty of Safety Engineering, VSB - Technical University of Ostrava, Czech Republic, and member of the Joint Expert Group on Water and Industrial Accidents (tbc)

10:00–10:15	Presentation	Ghana: Natech, tailings management facilities (TMFs) safety and past events in Ghana <i>Ms. Esi Biney, Chief Ecologist of the Water Resources Commission, Ghana, and member of the Joint Expert Group on Water and Industrial Accidents</i>
10:15–10:30	Presentation	Moldova: Floods and accidental water pollution in a transboundary context <i>Mr. Vitalii Mutaf, Head of the Security Regulations Directorate, Republic of Moldova, and member of the Joint Expert Group on Water and Industrial Accidents</i>
10:30–10:45	Presentation	Romania: Lessons learned from past Natech accidents to be ready for future circumstances <i>Mr. Zoltán Török, Associate Professor, Babes-Bolyai University, Romania, and member of the Joint Expert Group on Water and Industrial Accidents</i>
10:45–11:00	Presentation	Natural hazards and industrial accidents in transboundary river basins <i>Mr. Leon Dhaene, Secretary-General, International Scheldt Commission</i>
11:00–11:20	Discussion	Q&A from the audience, followed by a moderated discussion with the panel on the role of the Water Convention and Industrial Accident Convention, as well as the Joint Expert Group on Water and Industrial Accidents in supporting countries to address Natech risks of water pollution <i>Moderated by the moderator of Challenge 1</i>
11:20–11:30	Coffee break	

Challenge 2 – Prevention by design: safe industrial installations in a changing climate

Moderator: Ms. Lendita Dika, State Counsellor for Industrial Pollution and Risk Management, Ministry of Environment and Physical Planning, Republic of North Macedonia, and member of the Joint Expert Group on Water and Industrial Accidents

11:30–11:45	Presentation	Adaptation of critical infrastructure to the effects of climate change, focus on technological risks <i>Ms. Dinara Ziganshina, Director, Scientific-Information Center of the Interstate Commission for Water Coordination of Central Asia (SIC ICWC) (tbc)</i>
11:45–12:00	Presentation	International Commission of Large Dams: an updated bulletin on tailings dam design principles <i>Mr. David Brett, Senior Technical Director, Mine Waste and Water Management, GHD Tasmania</i>
12:00–12:10	Discussion	Q&A with the audience
12:10–12:50	Discussion	Breakout groups on (i) the design principles for accidental water pollution prevention from industrial installations under changing boundary conditions, (ii) risk assessment: how to include natural hazards for technological safety, and (iii) land-use planning for prevention and mitigation measures <i>All seminar participants</i>
12:50–13:00	Presentation	Findings from the discussion in the breakout groups <i>Rapporteurs from the breakout groups</i>
13:00–14:15	Lunch break	Offered by Ministry of Interior of Hungary

Challenge 3 – Innovative approaches to limit the consequences of accidental water pollution events

Moderator: Mr. Zoltán Török, Associate Professor, Manager of Research Institute for Sustainability and Disaster Management, Babes-Bolyai University, Romania, and member of the Joint Expert Group on Water and Industrial Accidents

14:15–14:25	Presentation	Experience with nature-based solutions for pollution control <i>UNEP-DHI Centre on Water and Environment (Speaker tbc)</i>
14:25–14:35	Presentation	Nature-based solutions for TMF safety in Kazakhstan <i>Brendan Duprey, Director, Sustainable Kazakhstan Research Institute</i>
14:35–14:45	Presentation	Ore-sand: Revalorization of tailings to contribute to the business case for safety <i>United Nations Environment Programme's Global Resource Information Database Geneva (UNEP GRID-Geneva) (Speaker tbc)</i>
14:45–15:00	Discussion	How can we ensure that natural hazards potentially triggering accidental pollution can be mitigated with nature-based solutions, and what role does life-cycle thinking play? <i>Moderated discussion between the panelists and audience</i>

Conclusion and next steps

Moderator: Mr. Bojan Srdić, Senior Advisor, Ministry of Environmental Protection of the Republic of Serbia and co-chair of the Joint Expert Group on Water and Industrial Accidents

15:00–15:30	Concluding remarks	Concluding remarks by <i>Mr. Bojan Srdić, Senior Advisor, Ministry of Environmental Protection of the Republic of Serbia and co-chair of the Joint Expert Group on Water and Industrial Accidents</i>
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Field visit

Organized by the Ministry of Interior of Hungary (tentative)

The seminar is being co-organized by the Ministry of Interior of Hungary with financial support from the Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection of Germany