



***UNECE Convention on the Transboundary Effects of Industrial Accidents
Assistance Programme
Hazard and Crisis Management in the Danube Delta***

**PROJECT OBJECTIVES AND EXPECTED
RESULTS**

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Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety

Umwelt
Bundes
Amt 
Für Mensch und Umwelt

UNECE Convention on the
Transboundary Effects of
Industrial Accidents

Assistance
Programme



Project on hazard and crisis management in the
Danube Delta, Kick-off meeting, Kyiv 11 May

General objective

to improve the cooperation between the Republic of Moldova, Ukraine and Romania in the Danube Delta region through enhancing and where possible harmonizing the mechanisms and approaches for efficient and effective hazard and crisis management



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Three phases of the Project

1 - preparation

2 - hazard management and

3 - crisis management



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Phase 1 - preparation

The objective for the preparation phase is to kick off the project by agreeing on the implementation plan and committing to apply it

- a) Implementation plan prepared and discussed
- b) the participating countries expressed their support and dedicate human resources for its implementation



Phase 2 – hazard management

The objectives for the phase aimed at hazard management are:

- *to identify areas for enhancing and possible harmonization of procedures for hazard management, including hazard assessment based on the agreed criteria*
- *to discuss and to the extent possible harmonize the safety standards at the major hazardous facilities located in the Danube Delta region, especially oil terminals*
- *to enhance cooperation between competent authorities and operators of major industrial facilities*
- *to draft safety guidelines for oil terminals based on the best internationally recognized practices*

Phase 2 – hazard management

- *to train inspectors, and specifically on enforcing safety*
- *to draft action plans for improving hazard management*
- *to help preparing for establishing bi- or trilateral sectoral agreements related to hazard and crisis management; and*
- *to create public awareness about the importance of hazard management through contacts with media*



Phase 3 – crisis management

The objectives for the phase aimed at crisis management are

- *to identify areas for improvements in working together in an event of emergency (i.e. warning, notification, response actions, modeling);*
- *to identify areas for improvements when requesting and receiving assistance in particular in an event of major oil pollution in the Danube Delta*
- *to review the compatibility of off-site emergency plans*
- *to draft action plans for improving crisis management*
- *to include the part on crisis management in bi- or trilateral sectoral agreements and*
- *to create public awareness about the importance of hazard management through contact with media*



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Expected results

With reaching all the above objectives the project will lead to following results:

- *establishment of a hazard spots map in the region of the Danube Delta with the hazards identified in a harmonized way;*
- *introduction of procedures for hazard notification (in particular hazardous activities)*
- *development of practical recommendations/actions for national authorities to strengthen hazard management*
- *improvement of cooperation between authorities and industries*
- *harmonization of off-site contingency plans/establishment of a contingency plan for the Danube Delta*
- *harmonization of on- and off-site plans*



Expected results

- *introduction of procedures for crisis notification and joint response;*
- *development of practical recommendations/actions for national authorities to strengthen crisis management; and*
- *strengthened public awareness on hazard and crisis management*

As based on countries' legislative framework,
including primary and secondary laws.



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Major International Agreements

- International Convention on The Protection of the Danube River -1994
- Convention on the Protection of the Black Sea Convention -1992
- UNECE Convention on the Protection and Use of Transboundary Water Courses and International Lakes (Water Convention) – 1992
- UNECE Convention on Transboundary Effects of the Industrial Accidents



Major hazardous events

The **Ajka alumina sludge spill** was an industrial accident at a [caustic waste reservoir](#) chain of the Ajkai Timföldgyár [alumina](#) plant in [Ajka](#), [Veszprém County](#), in western [Hungary](#).^{[3][4]} On 4 October 2010, at 12:25 [CEST](#) (10:25 [UTC](#)),^[5] the northwestern corner of the dam of reservoir no. 10 collapsed, freeing about a million cubic metres (35 million cubic feet) of liquid waste from [red mud](#) lakes.



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Kerch accident

In the Strait of Kerch at least 10 oil tankers
and cargo ships loaded with sulfur were
wrecked in a fierce storm on November 11,
2010



Danube accident

On 19.12.2010, at hour 07.20, a barge with 11 people on board, from Republic of Moldova, loaded with 963 tones of phosphates (fertilizers) sunken in Danube River, near the bank, at Harsova, at km 261+100. The navigable channels was blocked.

Measures taken: the fishing was prohibited downstream of the accident site.

Flood Events, 2010

