

An aerial photograph showing a wide, muddy river flowing through a valley. The river is surrounded by flooded fields and a road that runs parallel to it. In the background, there are mountains under a cloudy sky. The text is overlaid on the image in a yellow, serif font.

Sustainable Flood Protection in the Danube River Basin

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Impact of floods in Europe



Between 1998 and 2002:

- over 100 major damaging floods

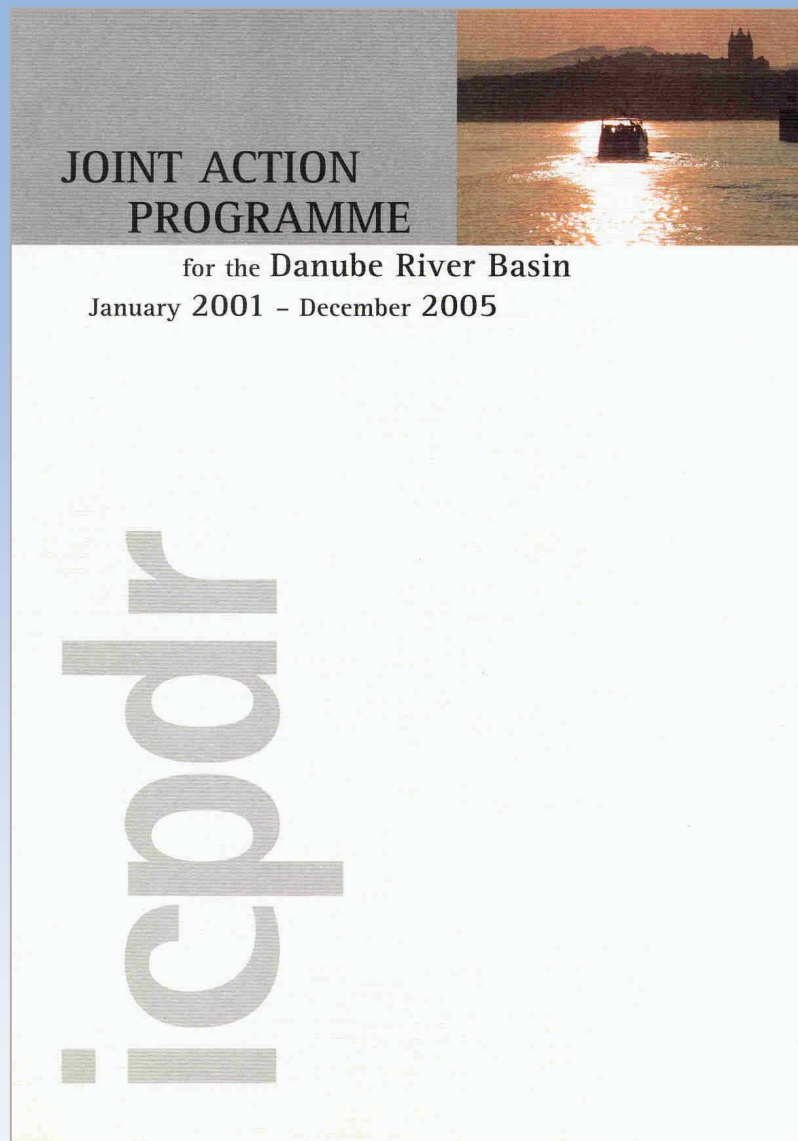
Since 1998:

- about 700 deaths
- displacement of about 0.5 million people
- At least €25 billion in insured economic losses



Danube River Protection Convention

Within the scope of the DRPC, the responsibility for flood control lies with the ICPDR (see Articles 3, 9 and 16, DRPC).



Minimizing the impacts of floods
via an

**‘Action Programme for Sustainable
Flood Prevention’**

(to be presented at the end of 2005
at the latest)

Floods in 2002

ZENAR - Zentrum für Naturgefahren und Risikomanagement
 Universität für Bodenkultur Wien




PLATTFORM HOCHWASSER

Ereignisdokumentation
Hochwasser
August 2002



Bundesministerium für
Land- und Forstwirtschaft
Umwelt und Wasserwirtschaft
Das Lebensministerium




ICPDR Ordinary Meeting November 2002

Expert Group on Flood Protection established

Development begun on Action Programme
on Sustainable Flood Protection
in the Danube River Basin
(*new deadline 2004*)

Action Programme on Sustainable Flood Protection in the Danube River Basin

Overall framework programme

The objectives:

- to achieve a long term and sustainable flood risk management
- to protect human life and property, while encouraging conservation and improvement of water related ecosystems

Action Programme on Sustainable Flood Protection in the Danube River Basin

Source documents:

- Danube River Protection Convention
- UN-ECE Guidelines on Sustainable Flood Prevention
- EC Best practices on flood prevention, protection and mitigation

Direct link to EU Action Programme on Flood Risk Management

Action Programme – Table of Contents

- Introduction
- Floods and flood protection in the Danube River Basin
- Basic principles and approaches
- Targets and demands
- Measures
- Socio-economic and organisational conditions of the implementation of the Action Programme

Action Programme – Basic principles

- Reflects EU flood risk management policy
- River basin approach
- Joint action of government, municipalities and stakeholders
- Reduction of flood risks
 - Natural retention
 - Structural flood protection
 - Reduction of hazards
- Floods: A concern for everybody (solidarity)

Action Programme – Basin-wide targets

- Improvement of flood forecasting and early flood warning systems
- Preparation and coordination of sub-basin flood action plans
- Creating forums for exchange of expert knowledge
- Recommendation for a common approach in assessment of flood prone areas and evaluation of flood risk

Action Programme – Targets for sub-basins

- Development of a long-term flood protection and retention strategy
- Improvement of flood forecasting and warning
- Contingency planning / preparedness raising
- Flood maps elaboration
- Harmonization of design criteria and safety regulations across border sections
- Prevention and mitigation of water pollution caused by floods

Action Programme on Sustainable Flood Protection in the Danube River Basin

Approved at the ICPDR Ministerial Meeting
December 13, 2004

Floods in 2005



FLOODED AREAS TROUGH DIKE BREACH - TIMIS RIVER

**TERENURI INUNDATE PRIN BRESA DIG RAU TIMIS,
MAL DREPT KM 8
21 APRILIE 2005**

A wide, calm river flows through the foreground, with a paved walkway visible at the bottom left. In the background, a city skyline is visible under a cloudy sky. The skyline includes a prominent tall tower with a red and white section, several modern glass skyscrapers, and construction cranes. The water is a murky, brownish-grey color.

**For more information
visit www.icpdr.org**