

The city of Dordrecht, The Netherlands

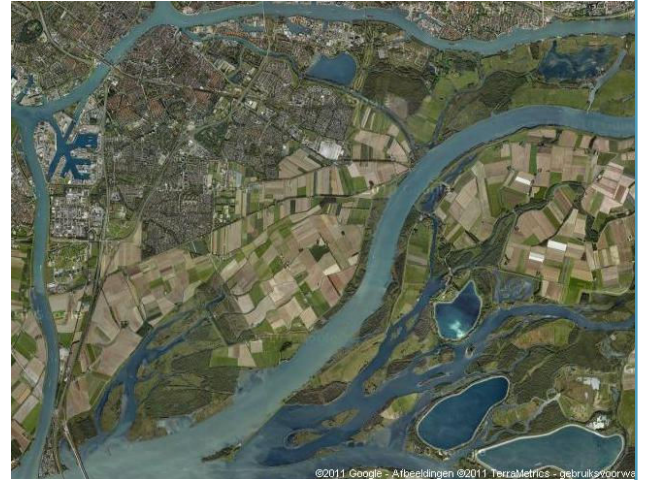
Main characteristics

Major type of flood: Flooding is caused by a combination of high river discharges and sea levels

Past flood events: The 1 February 1953 flood killed approximately 1,800 people in the South-West of the Netherlands

Environmental setting: The city of Dordrecht is located on an island in the Rhine estuary. The Island of Dordrecht lies in the Rhine catchment (185.000 km²). The Island has an area of 90 km²

Socio-economic setting: Dordrecht is a city in the Dutch province of South Holland, the Netherlands. It has approximately 118,000 inhabitants.



Level of stakeholder involvement

Stakeholders make up the Safety Region who were involved in the development of the Flood Event Management Plan. The following were engaged as part of the case study:

- City of Dordrecht
- Province of South Holland
- Police
- Fire brigade
- Water Board Hollandse Delta
- These were engaged through an internet survey and a workshop.

CRUE Activities

Breaching of the dike protecting the Island of Dordrecht would cause a rapid flood with significant water depths. Owing to the limited number of exit points from the Island, risks of casualties are high in the event of a flood. The framework to assist with developing and improving flood emergency plans was applied to the Flood Emergency Plan for the Island of Dordrecht. The focus was on the improvement of the evacuation strategy of the plan. Results from the workshop were used to improve the framework. In addition the evaluation of alternative evacuation strategies demonstrate the use of evacuation tools as a useful source to improve emergency plans.

Specific outcomes

- Report on the results from the workshop
- Case study report including demonstration of tools that can improve emergency plans

Lessons learnt

The framework proved to be a useful aid in analysing flood emergency plans and identifying actions to improve the plans.

CRUE Project

Flood Incident Management – A Framework for improvement (FIM FRAME)
Funded from 1 September 2009 to 31 August 2011 within the 2nd CRUE Funding initiative "Flood resilient Communities".

Partners

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