



EFFECTIVE ADAPTATION TO CLIMATE CHANGE

Water management in the Netherlands

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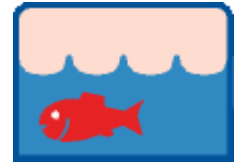
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INTRODUCTION



<https://youtu.be/Cn2mDS-WNJs>

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THE NETHERLANDS, THE EUROPEAN DELTA





CHARACTERISTICS

- 34.000 km² + 8.000 km² inland water
- 59% Liable to flooding
- 16.7 million inhabitants
- public Water Authorities (23x)
- tasks:
 - flood protection
 - water management
 - waste water treatment
- budget: € 2.6 billion
- staff: 11.000



PREPARING FOR THE FUTURE

- National approach:
 - [National Water Plan](#)
 - [Delta programme](#)
 - [Regional water management plans](#)
- European approach:
 - River basin management, [Water framework directive](#)
 - [EU Flood Directive](#)
 - [Water scarcity and droughts](#)

~~~~~ WATER ASSESSMENT

- Principal: Water is an integral part of spatial planning
- Compulsory water assessment on all spatial plans (national, regional and local)
- Communication in an early stage!





FLOOD PROTECTION

- Risk-based
 - the probability of flooding
 - consequences
 - the optimum level of safety
- Multi-layer:
 1. Prevention
 2. Sustainable spatial planning
 3. Disaster management

