

Water and water management in the Netherlands

Erik Kraaij, Managing Director Dutch Association of Regional Water Authorities May 12, 2010

Association of Regional Water Authorities



- Established in 1927
- Umbrella organisation of the 26 Regional Water Authorities in the Netherlands.
- Official representative in The Hague and Brussels
- Promotion of regional water governance.

➣ Netherlands = wetlands

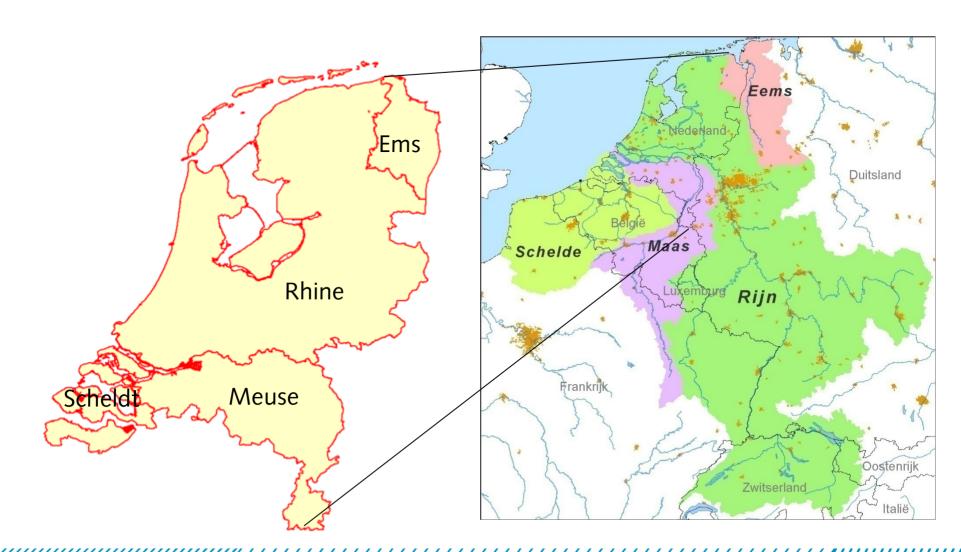








☎ The Netherlands: delta of 4 international basins





□ The Netherlands without dikes



29 % below sealevel 26 % floodplains

55 % flood risk area

10 million people € 2000 billion

➣ The North Sea flood 1953[†]



☎ Consequences of Climate Change





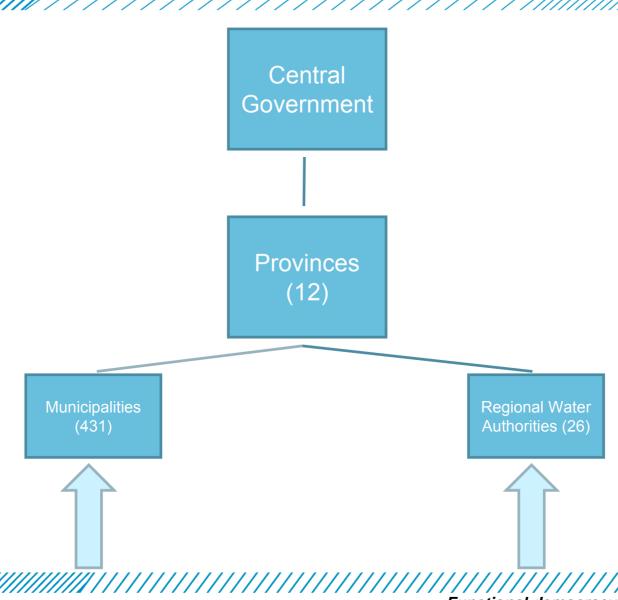








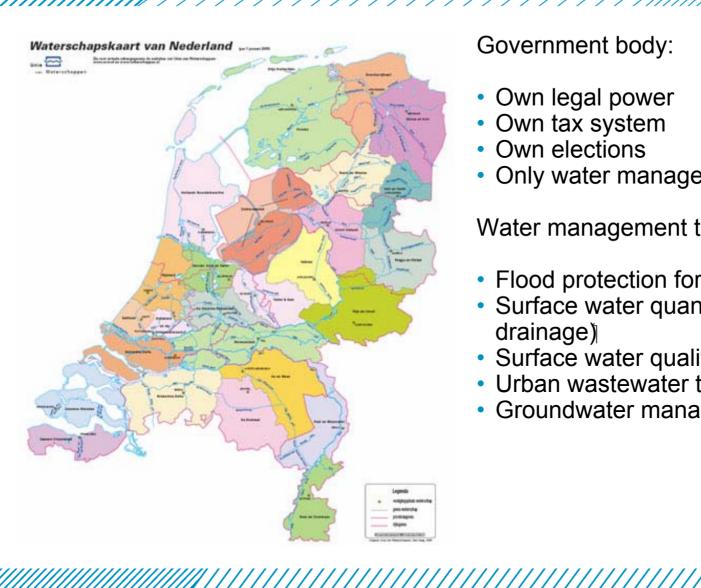
☎ Water responsibilities



☎ Water responsibilities

- In the Netherlands, the central government takes care of the water management of the main water systems (North Sea, Wadden Sea, Lake Yssel, Rhine, Meuse, Scheldt, Ems, Waal and some large canals).
- The provinces set up, regulate and supervise the regional water authorities.
- Municipalities are responsible for the sewage management, urban rain and groundwater.
- The regional water authorities are responsible for the regional water systems.

≅ Regional Water Authorities (26)



Government body:

- Own legal power
- Own tax system
- Own elections
- Only water management tasks

Water management tasks:

- Flood protection for 16 million people
- Surface water quantity (irrigation and drainage)
- Surface water quality
- Urban wastewater treatment
- Groundwater management





≅ Surface water quantity



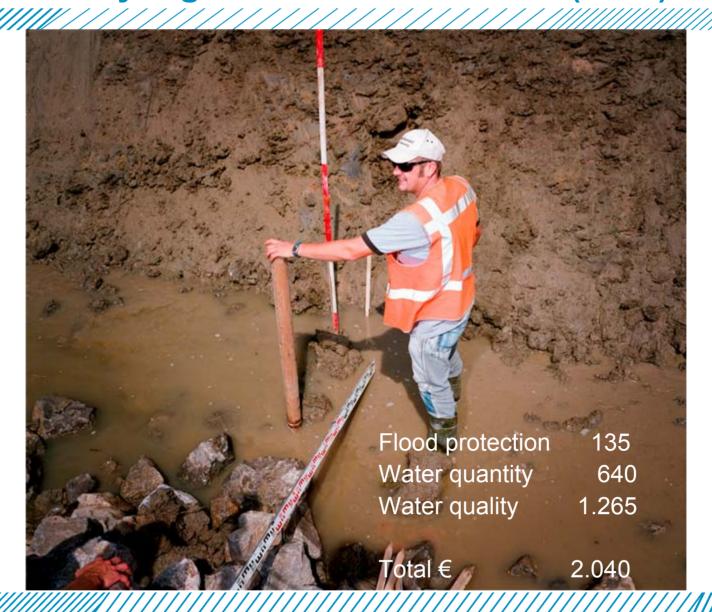
➡ Urban Wastewater Treatment



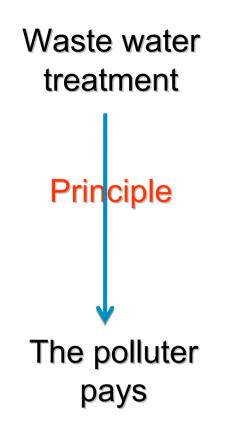
390 wastewater treatment plants99% sewage connection22 million water pollution equivalents treated

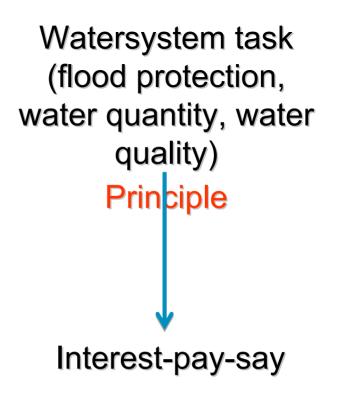
≅ Taxation





☞ Financing principles





☎ Involvement of stakeholders



☎ Election of Assembly



- Interest-pay-say
- Stakeholder democracy:
 - Residents
 - Industries
 - Farmers/landowners
 - Nature conservation

☎ Thanks for your attention

