

# Water, who cares?

**KRING van Zeewerende  
Ingenieurs**

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Westeinde**



# Water, who cares?

Many authorities do, such as:

- The European parliament
- The ministry transport, public works and water  
(what we call Rijkswaterstaat)
  - Provincial authorities
  - Local authorities
  - Watercompanies
  - Waterboards





# Complicated?

**Rather, it works as follows:**

- **The European parliament makes rules for European water quality**
- **The ministry transport, public works and water is responsible for water management affairs of national concern**





- **Provincial authorities supervise the waterboards**
- **Local authorities/councils are responsible for water in their own area**
- **Waterboards are responsible for water management in their region.**



# Waterboards, a small history lesson

## The waterboard is an old institution

- The history goes back to 1300, the first waterboards were established. They were founded by farmers and monks, to defend their properties.
- At that time the waterboards were quite small. This resulted in a few thousands of waterboards
  - The last century the amount of waterboards is decreased from 3000 to 26 in the Netherlands.



- 1 Noorderzijlvest
- 2 Fryslân
- 3 Blija buitendijks
- 4 Hunze en Aa's
- 5 Reest en Wieden
- 6 Velt en Vecht
- 7 Groot Salland
- 8 Regge en Dinkel
- 9 Veluwe
- 10 Rijn en IJssel
- 11 Vallei en Eem
- 12 De Stichtse Rijnlanden
- 13 Amstel, Gooi en Vecht
- 14 Hollands Noorderkwartier
- 15 Rijnland
- 16 Delfland
- 17 Schieland & Krimpenerwaard
- 18 Rivierenland
- 19 Hollandse Delta
- 20 Zeeuwse eilanden
- 21 Zeeuws-Vlaanderen
- 22 Brabantse Delta
- 23 De Dommel
- 24 Aa en Maas
- 25 Peel en Maasvallei
- 26 Roer en Overmaas
- 27 Zuiderzeeland



Zeeland

# History of waterboards more than

2500 in 1850,  
2450 in 1953,  
41 in 1991 and  
**25 in 2011.**

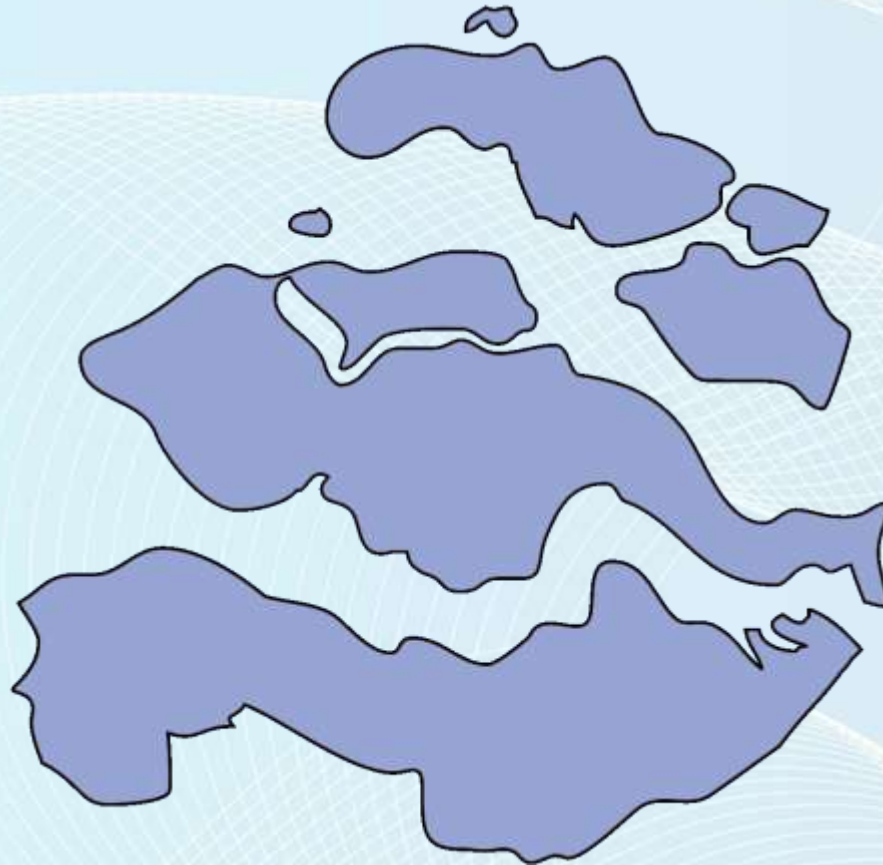
## In Zeeland

7 in 1992,  
4 in 1996,  
2 in 2000 and  
1 in 2011.





# Work area of waterboard Scheldestromen





# Waterboard Scheldestromen

In Zeeland we had till january 2011 two waterboards:  
Waterboard Zeeuwse Eilanden and Waterboard Zeeuws-  
Vlaanderen

In january 2011 these two waterboards are merged into one  
waterboard; waterboard Scheldestromen

The merge brings a reduction of 70 employees (540->470).



# Board

## Composition:

### General Board

- ✓ 30 members; - 9 assigned seats  
- 21 elected seats

Meetings: 5/6 times a year

### Executive Board

- ✓ 5 members

Meetings: 2 times a month



# Prefixes

	Waterboard Scheldestromen
Surface	190.273 ha
Inhabitants	381.500
District councils	13



# Dikes and dunes

**Waterboard  
Scheldestromen**

606 km





# Watercourses

**Waterboard  
Scheldestromen**

11.909 km





# Roads

**Waterboard  
Scheldestromen**

3.866 km



# Wastewatertreatment plants

	Waterboard Scheldestromen
Purification plants	16
Sewage plants	158
Sewage discharge pipes	590 km





# Pumpingstations

Waterboard  
Scheldestromen

74



# Employees

**Waterboard  
Scheldestromen**

470 fte





# Budget

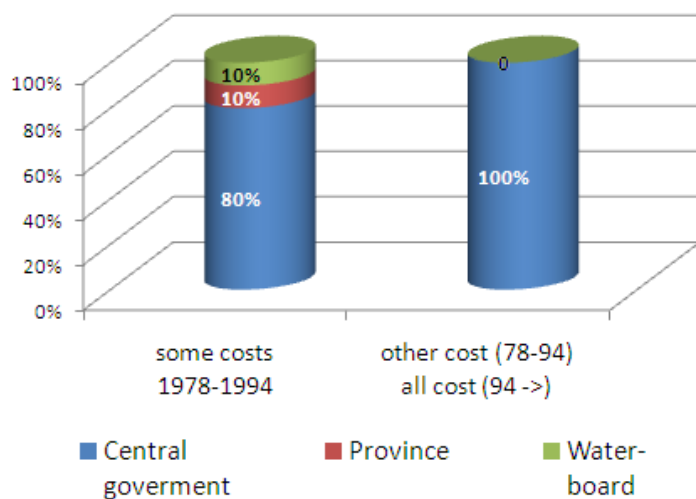
**Waterboard  
Scheldestromen**

€ 110.000.000

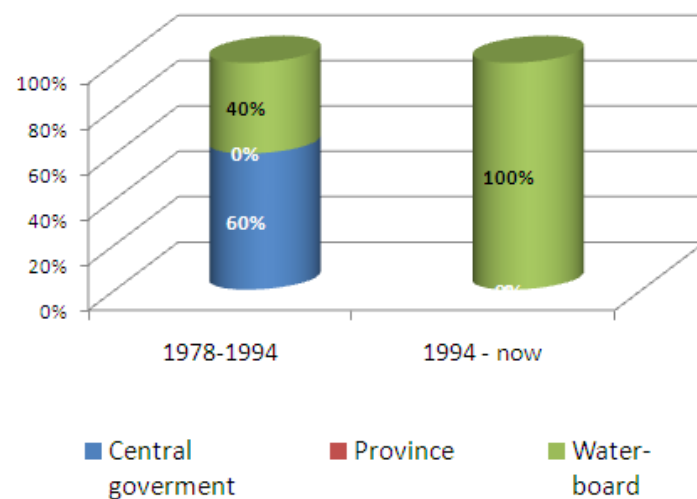


# Financial distribution (1978 - now) for Flood defenses

## Reinforcement



## Maintenance





# Has the waterboard right of existence?

- The waterboard raises taxes only to finance its tasks
  - The waterboard is not allowed to spend money on other things than its tasks
  - Several countries are interested in this system. We have spoken with America, Greece, Bangladesh, Italy and Romenia.





