



Waterschap  
Aa en Maas

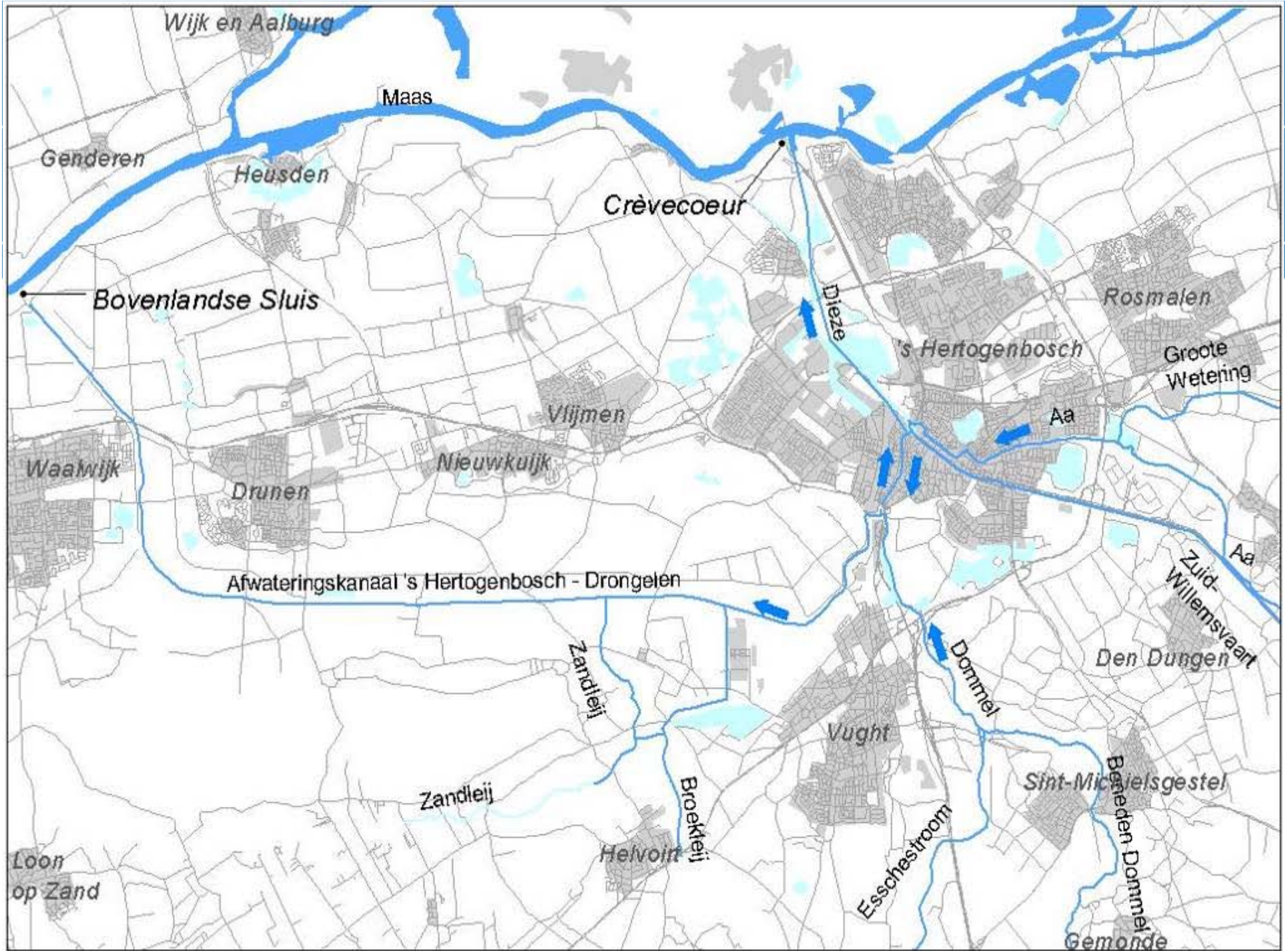
# HOWABO

## Solution for high water problem 's-Hertogenbosch



*Met water in de weer*





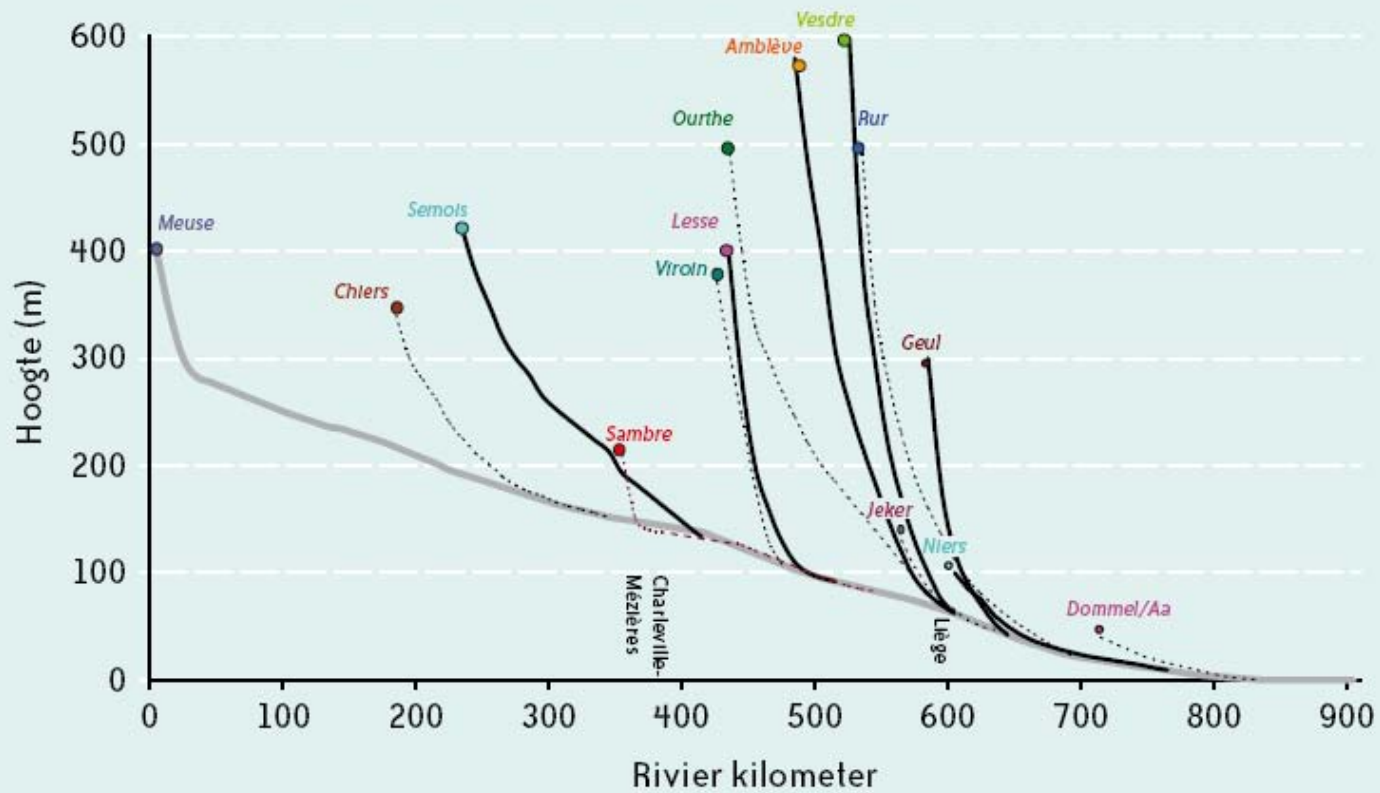
# Flooded Highway 1995

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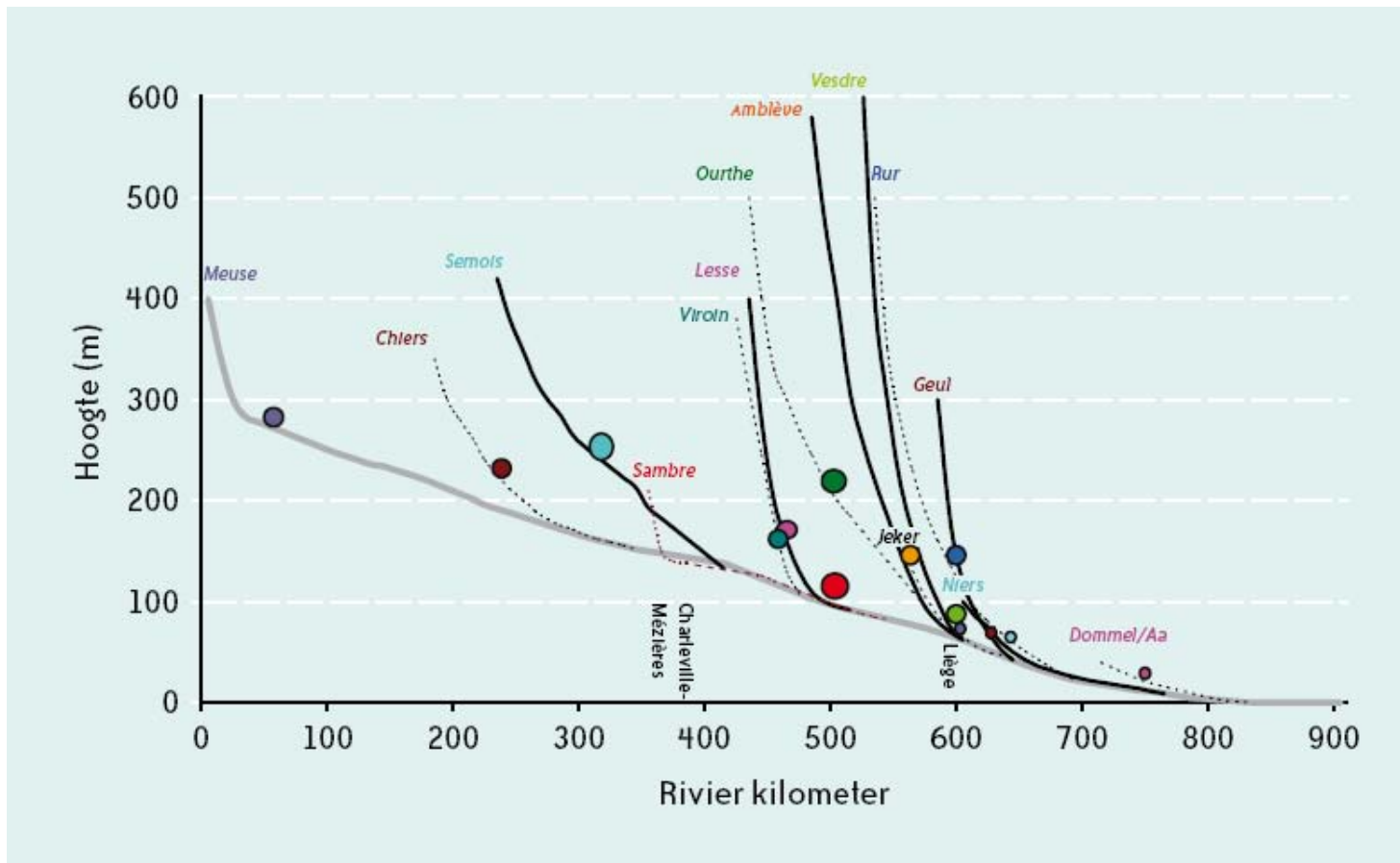
# Meuseland, timing of flood waves $t = 0$

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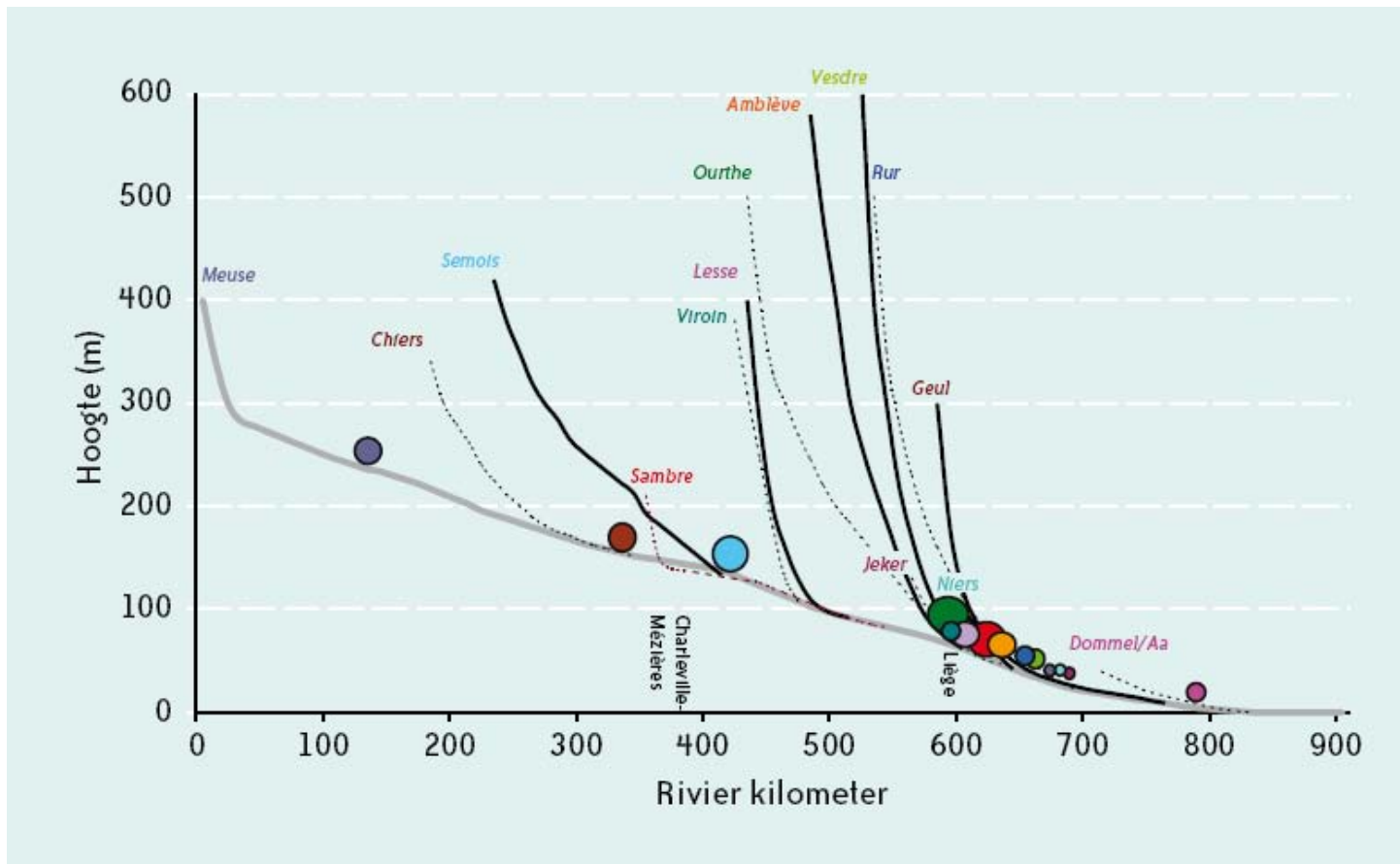


# Timing of flood waves, $t = 16$

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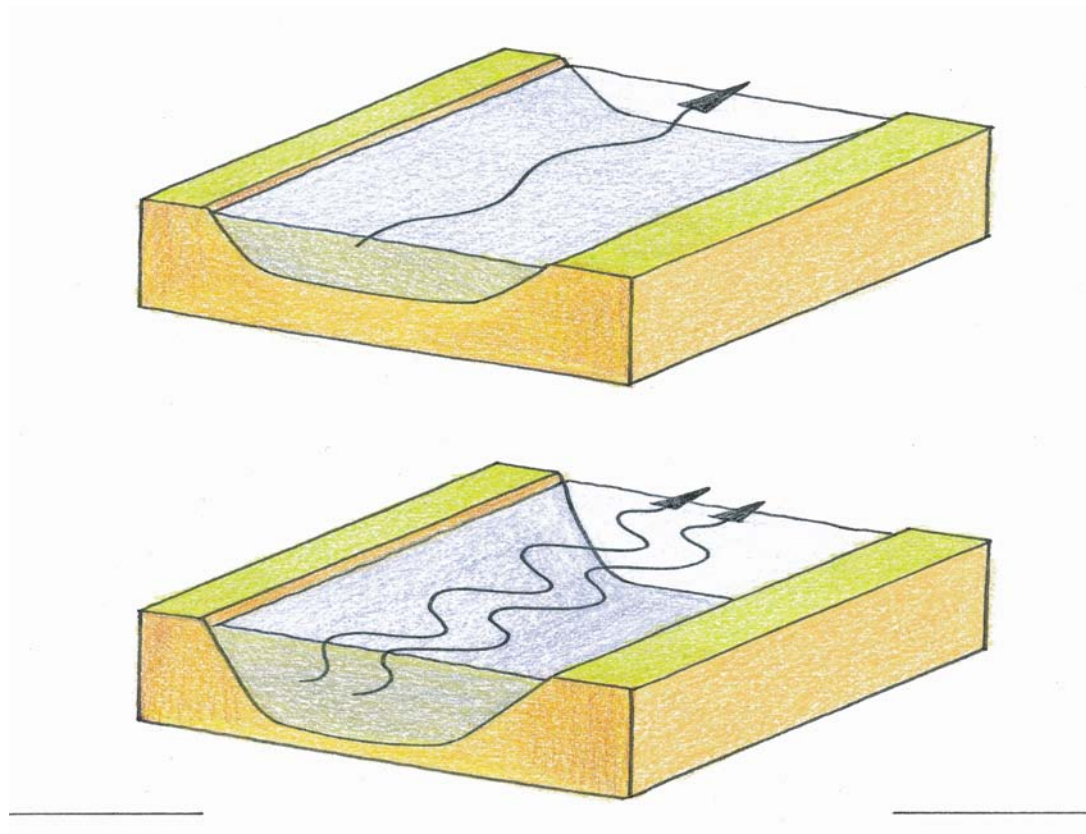


# Timing of flood waves, t= 32



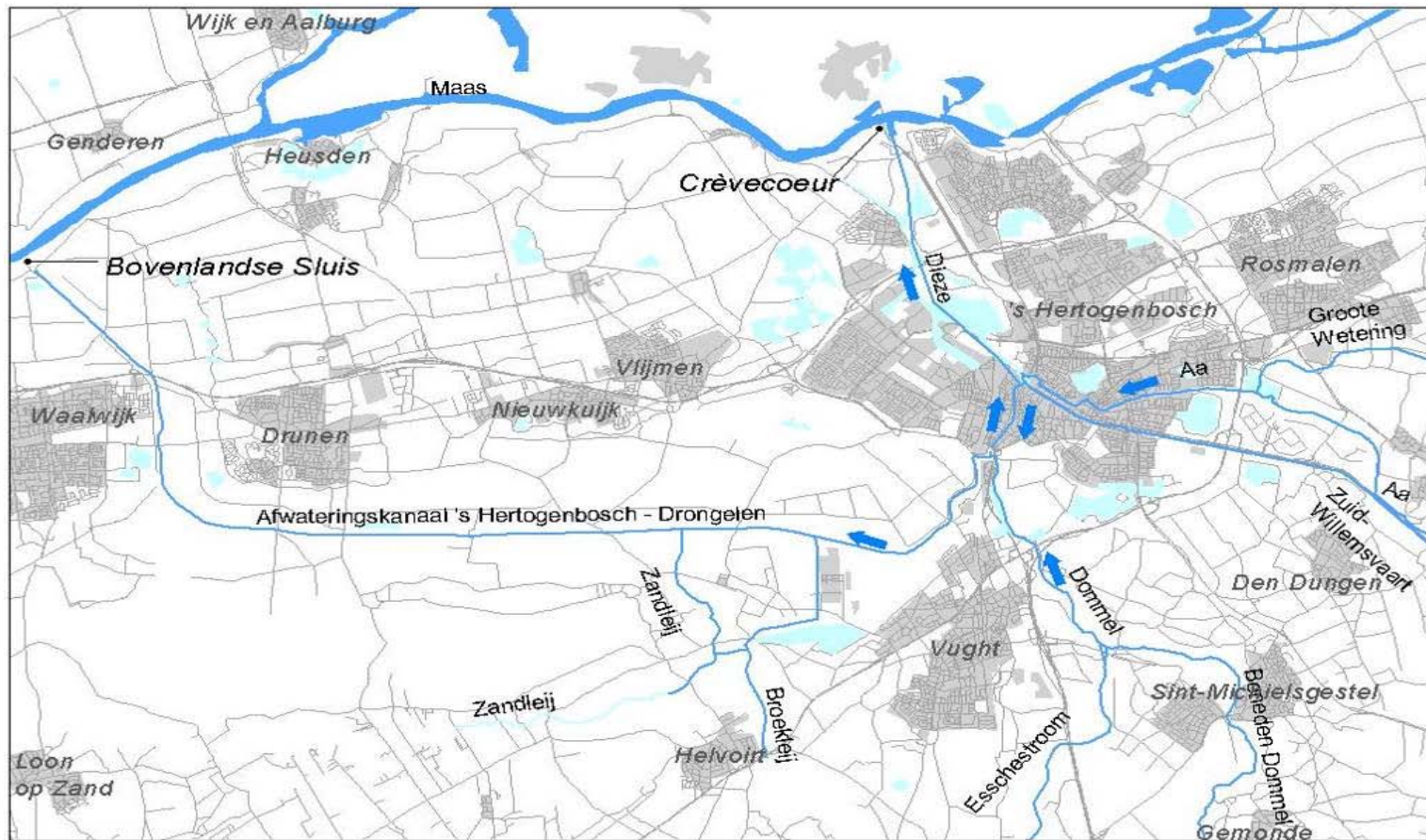
# Maaswerken, faster highwaters downstream

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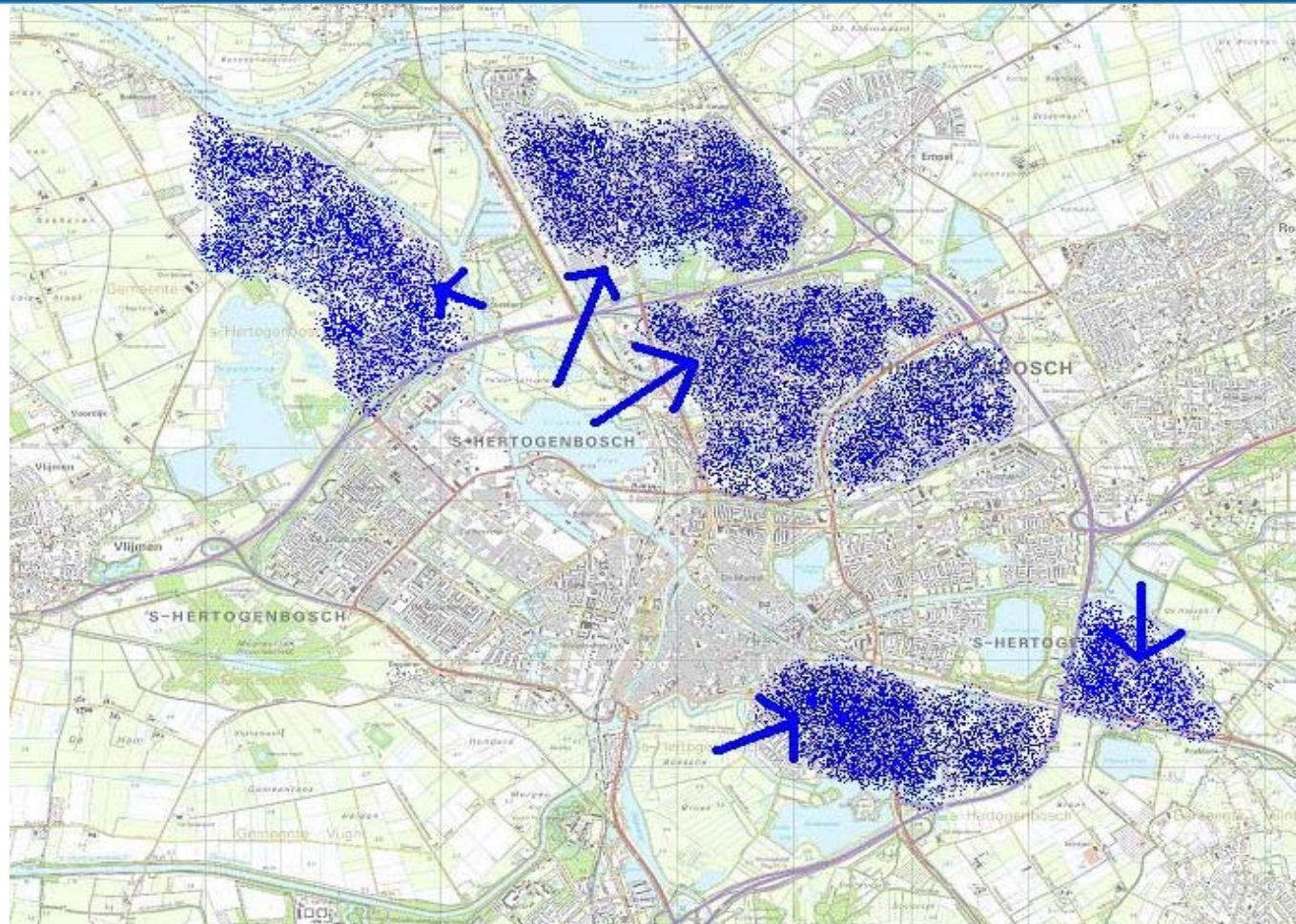
# Discharge of the rivers Aa and Dommel earlier stopped in times of high water Maas

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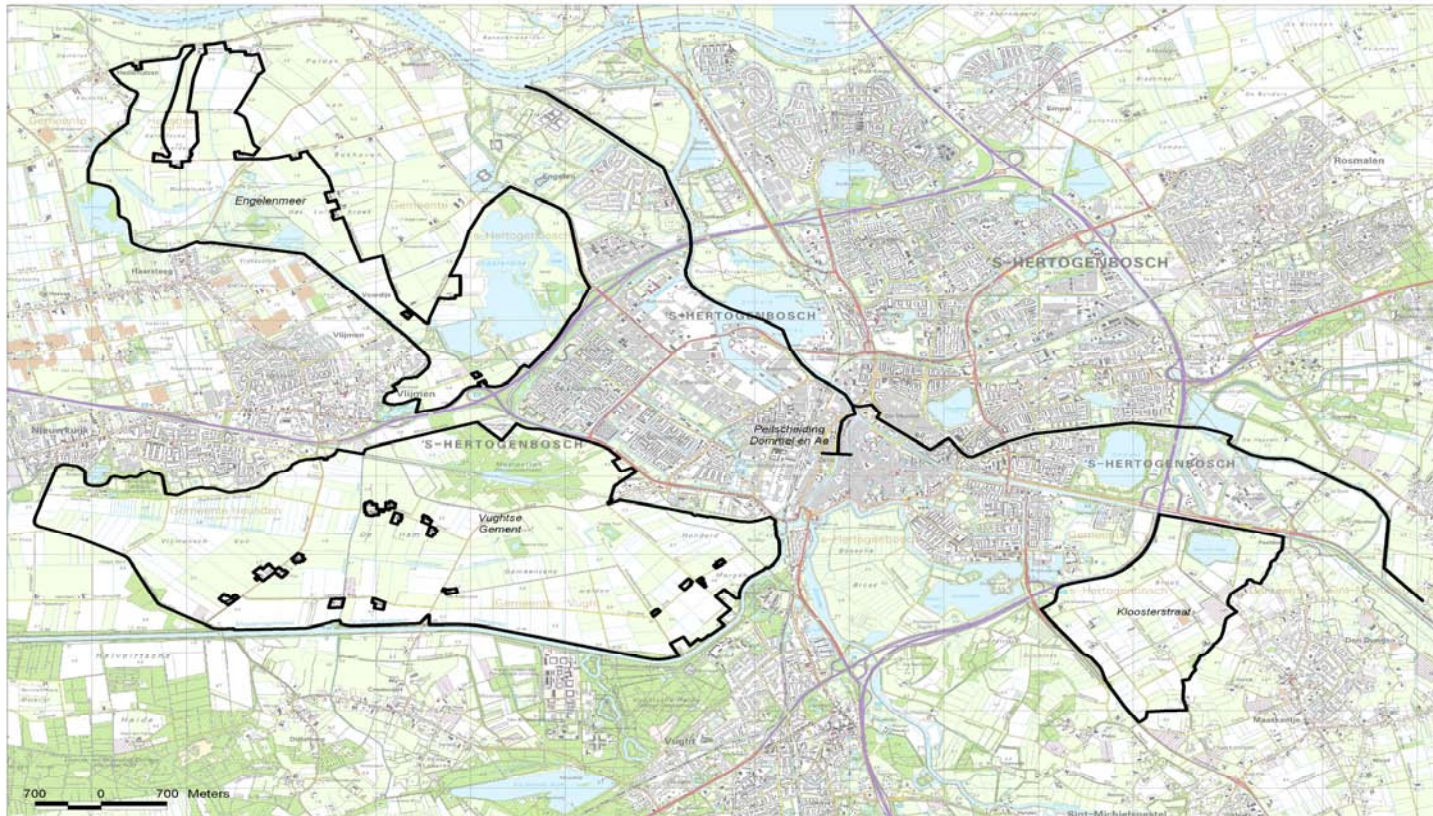
# Threatened city districts of 's-Hertogenbosch

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# Environmental impact assessment to select the best option

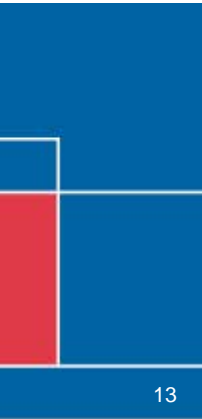
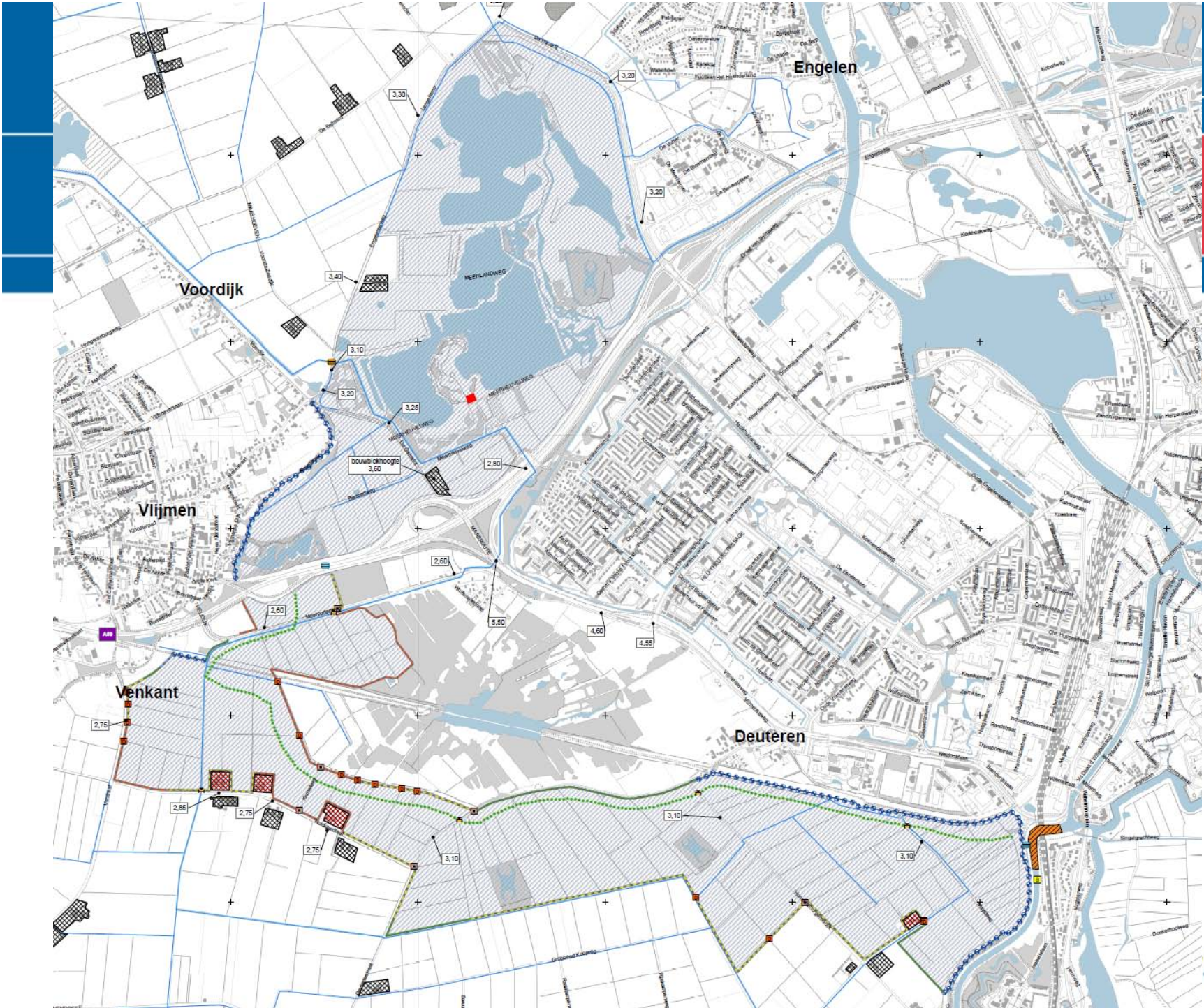
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## Selection criteria

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- Significant effects on Nature 2000 area (veto)
- Not enough waterstorage, insufficient option
- Costs
- Effects on Landscape, Nature and Historical values
- Effects on landuse
- Robust, simply expandable
- Integral realisation of more goals at the same time



## Inlet construction Bossche Broek





Site visit AMICE  
18 March 2010

Maas

Sluis  
Crevecoeur

RWZI Den  
Bosch

Engelermeer

Locatie  
onderdoorlaat A59

Zuid-Willemsvaart  
en Aa



Start /  
Finish

Locatie  
inlaatkunstwerk

Inlaat Bossche  
Broek

Eendenkooi

Locatie kade

-  Water storage HOWABO
-  Route site visit

