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# Workshop Meetnet Vlaamse Kust Project Broersbank

Ir. Guido Dumon – 21/09/2016



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# Workshop

## Monitoring Network Flemish Coast Broersbank Project

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# Welcome

# *Outline*



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- **Intro**
- **Master Plan Coastal Safety**
- **Monitoring network and study**
- **Results of the study**

# *Project History*



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## Masterplan Coastal Safety

=> Protect for 1/1.000 year storm event.

Sandy coast - erosive character

=> Management strategy:

*where possible soft techniques,*

*such as beach nourishments*

*also new and innovative techniques*

# *Project History*



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Masterplan Coastal Safety

=> *New and Innovative  
Coastal Protection Techniques*

=> One of them

*Creating artificial sandbanks or topping  
up existing sandbanks, a possibly more  
cost effective measure than beach  
nourishments.*

# Masterplan Coastal Safety



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*October 2011*

*=> "Islands" - artificial sandbanks or topping up existing sandbanks :*

*Proposal by Prof. J. Monbaliu "Monitoring program"*

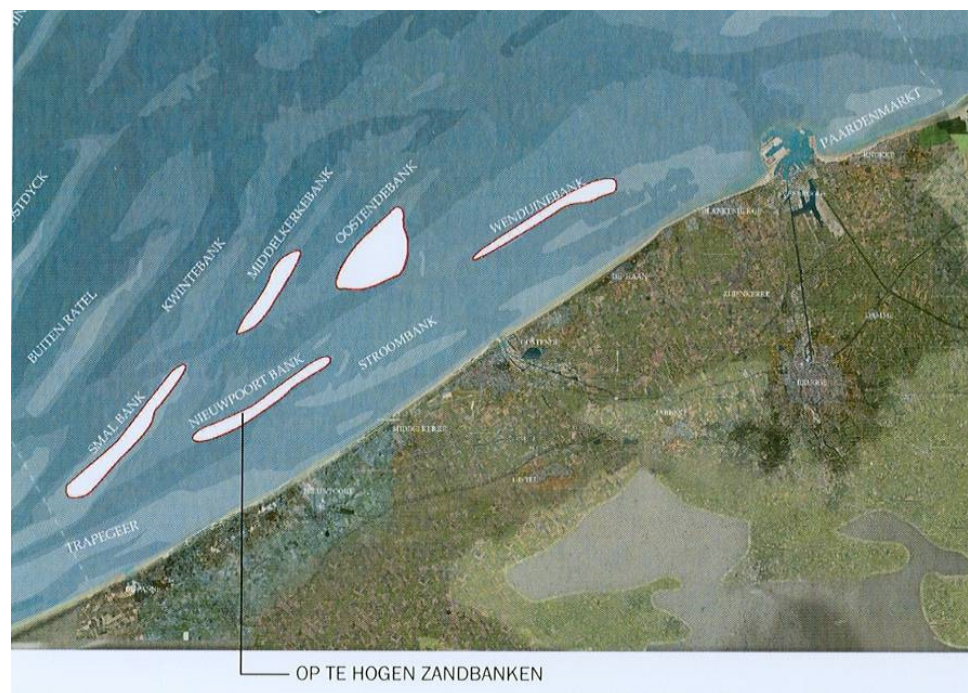
*"...de mogelijke impact van fysische ingrepen zoals o.a. de aanleg van eilanden op het golfklimaat voor onze kust onderzoeken...wordt ter hoogte van De Panne een transect in beschouwing genomen"*

# Proposal



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## Broersbank



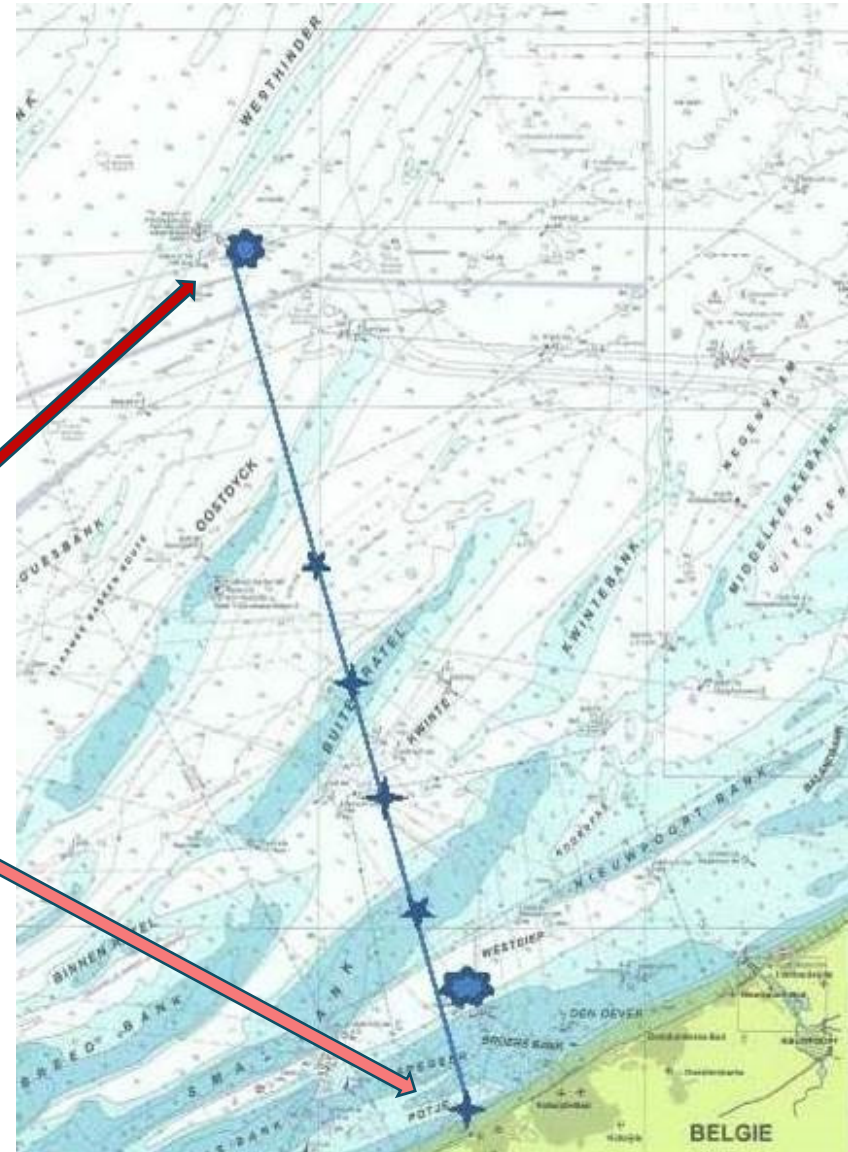


# Proposal



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Dedicated  
Monitoring Network  
Measuring Waves  
from Westhinder  
until Broersbank



# *Proposal*



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## Study Project

- \* Results Monitoring Network  
=> Optimize Existing Wave Modelling
  
- \* Optimised Model suite  
=> Possibilities Coastal Protection by  
topping up sandbanks



***Monitoring Network***   
***Study Broersbank Project***

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*More details in presentation 3.*

***Interest for the Masterplan  
Coastal Safety  
by ir. Daphné Thoon***

# *Monitoring Network Flemish Coast Broersbank Project*



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*Thanks to all partners*

- *THV Vlaamse Kust*  
*Cofely Fabricom – Radio Holland Belgium/Imtech*
- *DAB VLOOT*
- *KULeuven*
- *Flanders Hydraulics Research*
- *Team VH /FH - OK/CD - Comteam- Coastal Division*
- *Host of today*