



**Strategic Alliance for integrated Water Management Actions**  
- making european water management strategies work locally-

The Interreg IVB  
North Sea Region  
Programme



# SAWA

## Strategic Alliance for Water Management Actions



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## Consequences of climate change

- rising risk of fluvial and pluvial flooding caused by more frequent heavy rainfall
- integrated flood risk management on a river basin level has to be in line with the Water Framework Directive (WFD).
- this claims an integrated water management approach.
- SAWA gives examples



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Within the partnership of 5 riparian North Sea Regions

- NL, GB, NO, SE, GE -

we will enter into a strategic alliance to develop a common adaptive implementation strategy for the new FD integrating the settings of the WFD.





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## SAWA has 3 key areas

### A. Adaptive Flood Risk Management Plans –FRMPs-

Integrating the two aspects of flood risks and water quality in one plan creates significant conflicts, but also significant benefits.

How can local decision making be an integral part of catchment based planning applying the concept of adaptive FRMPs?





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## B. Local Scale Adaptive Measures

The last decade has illustrated that catchment scale flood defence measures can often be inefficient and un-sustainable.

How can measures be more locally adaptive without losing effectiveness on the river basin level?





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## C. Capacity building and Education

Institutional advancement, human resources development and knowledge enhancement for flood risk management is a main pillar for implementing an adaptive management structure in any river basin.

How must education and communication be improved to optimally integrate stake holders on all levels?



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- . *Interdisciplinary Inventory* -  
*on capacity building, on adaptive measures, conflicts between FD and WFD,*
- . *Climate Change impacts and uncertainties*  
*-assessed, quantified, visualised and communicated*
- . *Adaptive measures and assessment methods*  
*- derived, assessed and web-published*
- . *Adaptive planning strategies (APS)* -  
*2 rural and 5 urban Flood Risk Management Plans compiled*
- . *Sustainability Education Centres (SECs)* -  
*manual, installed and evaluated*
- . *MSc/post graduate course* -  
*established and tested*
- . *Student Exchange Program (SEP)* -  
*developed, implemented and piloted*

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## Thank You !!!

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