Working towards a science-evidence base for Building with Nature solutions:

Effectiveness of climate change adaptation measures

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Goal: To generate the science evidence-base that is needed to mainstream BwN solutions in national policy and investment programmes.

Why: To make coasts, estuaries and catchments of the North Sea Region (NSR) more adaptable and resilient to the effects of climate change and to attain multiple benefits. Hence, to better protect people communities, infrastructure and economy from the impacts of flooding and coast erosion.

How: The project builds on existing investment projects and uses transnational best practice, performance monitoring and co-analysis to develop improved cost-benefit analysis and business case methodology for BwN

One domain: lowland river

Multiple Goals, measures, scales and governance

Goal: Enhance natural values
Measure: Wetland restoration and nature conservation
Approach: Community involvement and education
Scale: Small

Scotland-Headwater: Tweed River

Goal: Flood protection and ecological improvement
Measure: Tree planting, wetland creation, woody debris and re-meandering
Approach: Stakeholder engagement, practical measures to achieve multiple benefits and associated monitoring
Scale: small/intermediate

Swede-Wetland: Skåne, Raan

Goal: To mitigate historic changes
Measure: River restoration
Approach: Extensive stakeholder involvement and communication
Scale: small/intermediate

Netherlands-Delta: Side channels in Rhine and Meuse system

Flanders-Small stream: Kleine Nete

Goal: Flood protection
Measure: River restoration (side channels)
Approach: mitigate morphological effects
Scale: Large

Common denominator as proposed solution: Nature based features (BwN)