

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

Effectiveness of climate change adaptation measures

R. Schielen,*¹, Quartel, S.*¹, Spray, C.**¹, Persson, P.[†], Moeskops, S.[‡], Comins, L.^{‡‡}

* Ministry of Infrastructure and the Environment-Rijkswaterstaat, The Netherlands, **University of Dundee, Scotland, † Länsstyrelsen Skåne, Sweden, ‡ Flanders Environment Society, Belgium, ‡‡ Tweed Forum, Scotland.

¹ P.O. Box 2232, 3500 GE Utrecht, The Netherlands, telephone: +31 6 10428766, e-mail: ralph.schielen@rws.nl



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



Swede-Wetland: Skåne, Raan



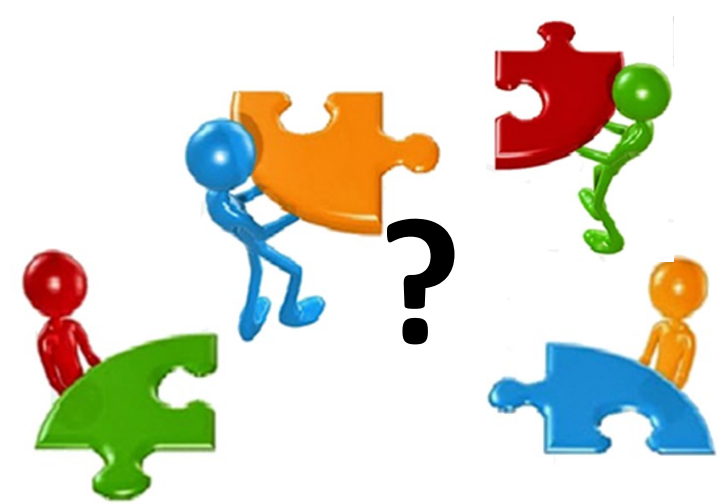
- Goal: Enhance natural values
- Measure: Wetland restoration and nature conservation
- Approach: Community involvement and education
- Scale: Small



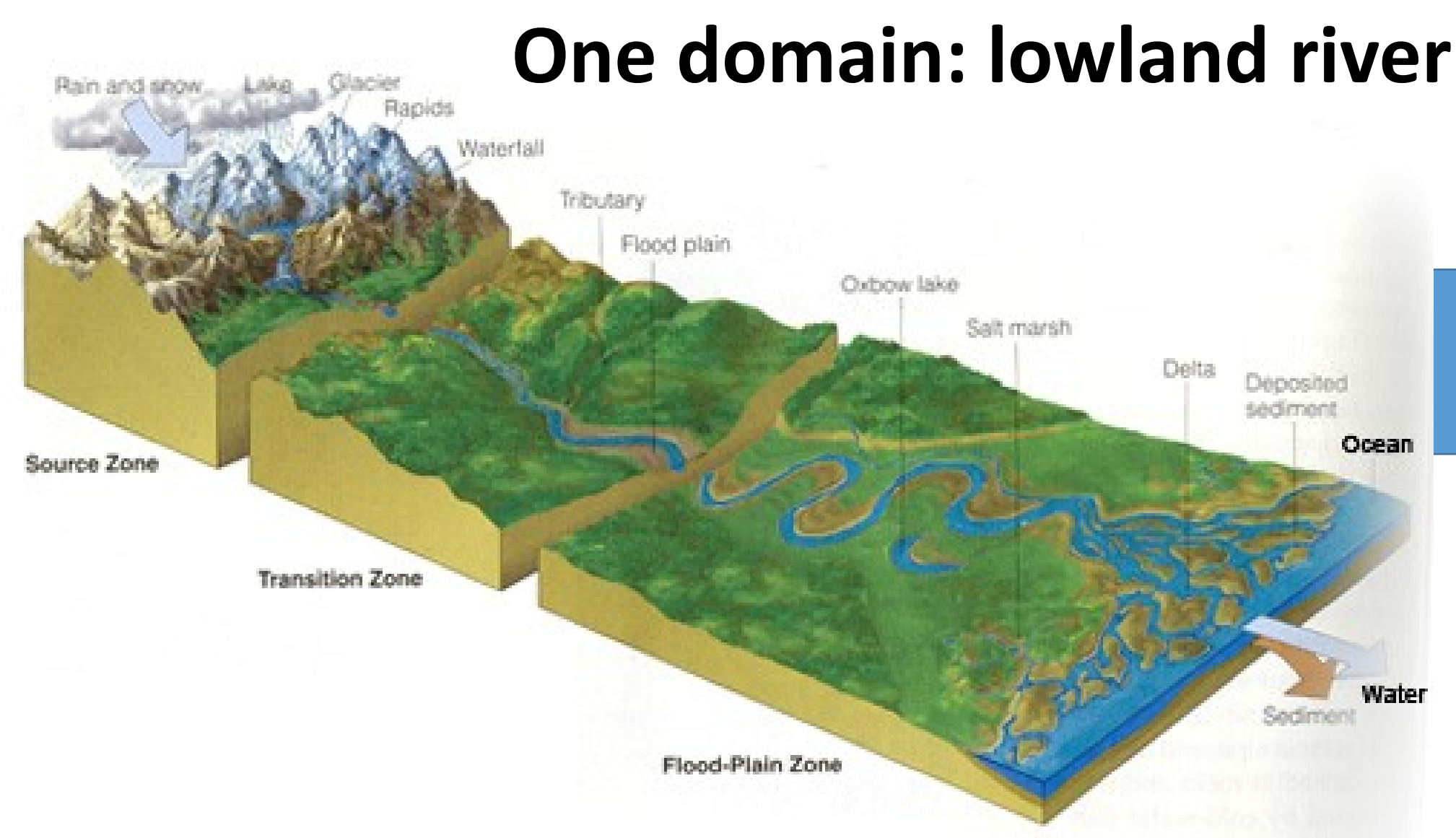
- Goal: Flood protection and ecological improvement
- Measure: Tree planting, wetland creation, woody debris and re-meandering
- Approach: Stakeholder engagement, practical measures to achieve multiple benefits and associated monitoring
- Scale: small/intermediate



Scotland-Headwater: Tweed River



Multiple Goals, measures, scales and governance



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



Flanders-Small stream: Kleine Nete



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



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



Netherlands-Delta: Side channels in Rhine and Meuse system



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