



Deltares

Developing Nature-based Solutions Strategies in the Netherlands

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Building with Nature (BwN) and Beneficial Sediment Use (BU)

BwN: conceptual approach for creating, implementing and upscaling Nature-based Solutions (NbS) for water-related infrastructures, *with proactive use of natural processes*

- NbS is the optimum *green-gray combination*



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BU is the use of dredged or natural sediment in applications that are *beneficial and in harmony* to (human and natural) development.

- *...as opposed to waste it at sea or store it in a remote deposit forever*



Flood risk management



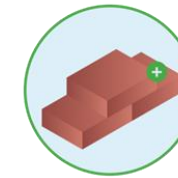
Navigability



Nature development



Water quality



Building material



Local economy



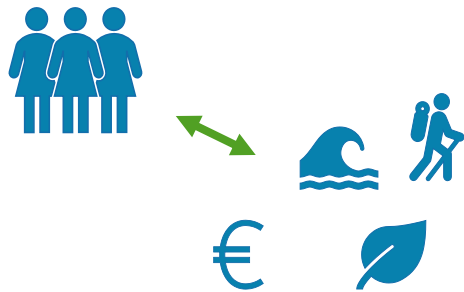
Examples of NbS (– BU) strategies in NL



NbS are Key to Sustainable Development

NbS are:

1. Dynamic
2. Innovative
3. Site specific
4. Multifunctional



Global Relevance of NbS



EU Green Deal and Taxonomy

- Climate change adaptation and mitigation
- Circularity and reuse
- No pollution
- Biodiversity
- Water and marine quality



Road to CAS 2021, October 22nd: https://youtu.be/QHQB_dBLb3c.



Min 1'55". Cora van Nieuwehuizen, Minister of Infrastructure and Water: "BwN is obviously the best way to counter the effect of climate change. Nature is by far our most important ally"

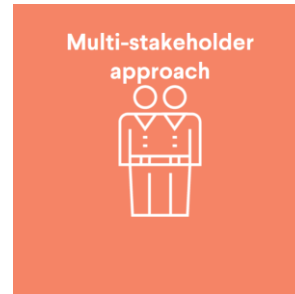
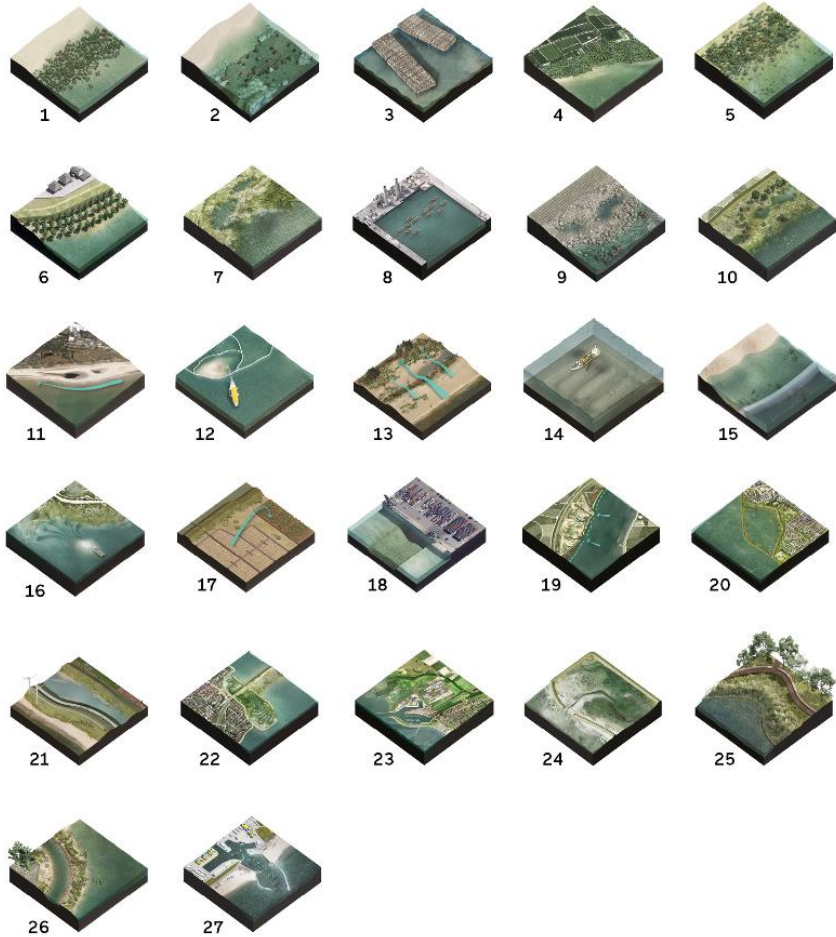


Min 11'15". Peter Glas, Commission Delta Commission: "This book is the way forward...one of the motto's of the Delta Program is "Soft where we can, solid if necessary".



Upscaling NbS together

27 concepts, 6 enablers, 1 book, a community



Website: www.ecoshape.org

LinkedIn Community Group EcoShape –
Building with Nature

building with nature