

Definitions

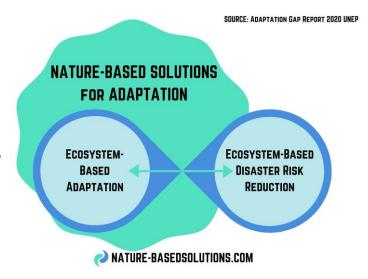
Ecosystem-based Adaptation (EbA)-UNEP

Ecosystem-based Adaptation is the use of biodiversity and ecosystem services as part of an overall strategy to help people adapt to the adverse effects of climate change.

Building with Nature:

is the approach to creating, implementing and upscaling Naturebased solutions for water-related infrastructure

"The Building with Nature approach starts with understanding how the natural and societal systems function, using natural materials, forces and interactions while creating opportunities for nature to develop" (De Vriend 2015).





Building with Nature: the concept

To develop infrastructure in deltas and estuaries, along coasts and rivers:

- In harmony with the behaviour of the natural system
- By letting nature do part of the work
- In close collaboration with stakeholders and local communities.
- With added value for nature, (local) economy and society





EcoShape | Building with Nature

- Sectors collaborating with a shared ambition
- Test and implement NbS concepts in practice
- Supported with fundamental knowledge development
- Translated to practical design guidelines
- Aimed at upscaling and mainstreaming







Knowledge Institutions

NGO's

















Pilot Project Overview

Nature Based Flood Defences



Houtrib Dike Pilot Project



Sand Motor Delfland Coast



Hondsbossche Dunes



Sand engine lake IJssel



Interreg VB North Sea Region project Building with Nature



NatureCoast

Resilient **Delta Cities**

Development



Werven Park Dordrecht



Tidal park Rotterdam



CityDeal Klimaatadaptatie

Ecosystem Restoration



Living Lab for Mud



Clay Ripening Pilot Project



Building with Nature in Indonesia



Salt marsh development Marconi



Mud Motor Koehoal salt marsh development



Marker Wadden KIMA



The Sand Engine, Netherlands





situation July 2011



situation July 2016

building with nature

Restoring eroding coastlines: Demak Indonesia





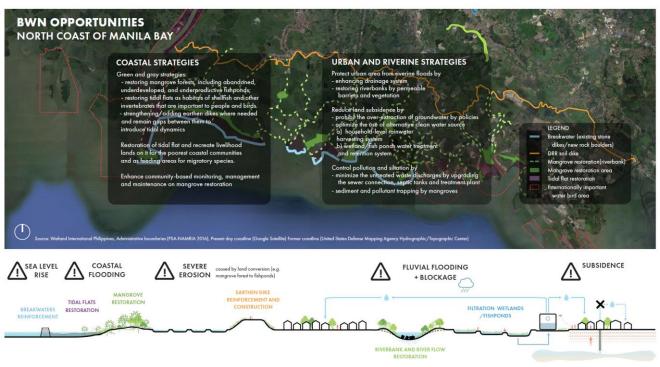


Landscape propositions





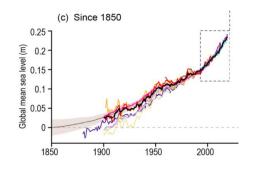
Landscape propositions





Cross-sectoral and inter-disciplinary cooperation

- Results in better solutions (effective and fit for purpose)
- Improves identification of knowledge gaps and research needs
- Makes knowledge cycle shorter (from development to application)
- Increases societal relevance of knowledge
- Improves mutual understanding and respect
- Unlocks private co-finance of research
- Is more fun!







building with nature

Credits for photos:

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