



● RESOURCE

ThinkNature Nature-Based Solutions Handbook

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Description / Abstract

Nature-based solutions (NBS) are actions inspired by, supported by, or copied from nature, that deploy various natural features and processes, are resource efficient and adapted to systems in diverse spatial areas, facing social, environmental, and economic challenges. The main goals of NBS are the enhancement of sustainable urbanisation (Figure ES.1), the restoration of degraded ecosystems, the development of climate change adaptation and mitigation, and the improvement of risk management and resilience. Moreover, NBS address global challenges, directly connected to the Sustainable Development Goals (SDG). NBS provide multiple benefits and have been identified as critical for the regeneration and improvement of wellbeing in urban areas, coastal resilience, multifunctional watershed management, and ecosystem restoration. They also increase the sustainability of matter and energy use, enhance the insurance value of ecosystems, and increase carbon sequestration. The vision of the European Commission is to position the EU as a leader in naturebased innovation for sustainable and resilient societies. Establishing an NBS evidence and knowledge base, developing a repository of best practices, creating an NBS Community of Innovators, and improving communication and NBS awareness are the main actions to achieve this vision. The added value of the NBS knowledge repository would be better dissemination and visibility, and better uptake and mainstreaming of NBS, as well as contributing to and establishing lively Community of Practice. The evidence for NBS includes NBS case studies, business cases, facts and figures supporting NBS effectiveness and NBS added value, and successes and failures.

Publication year

2019

Publisher

[ThinkNature](#)

Keywords

[Guidelines, Manuals and Handbooks](#)

Thematic Tagging

[Ecosystems/Nature-based solutions](#) [Water services](#)

Language English

[View resource](#)

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Tool

Nature Based Solutions

C3.04

Source URL: <https://iwrmaactionhub.org/resource/thinknature-nature-based-solutions-handbook>