

Mapping NBS needs and demands to support standardisation

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Introduction

How can standardisation help on the of upscaling and uptake of nature-based solutions?

- Standardization can facilitate **knowledge-sharing** among different stakeholders. This can help to build a **common understanding** of the benefits, challenges, and opportunities associated with these solutions.
- Standardization ensures **consistency** in the design, implementation, and monitoring of nature-based solutions. This consistency can help to build **trust among stakeholders** and **increase confidence** in the effectiveness of these solutions.
- Standardization facilitates the **replication of nature-based solutions** across different regions, contexts, and scales. This can help to accelerate the uptake of these solutions and promote their widespread adoption.

Results

Revised standardisable elements/processess

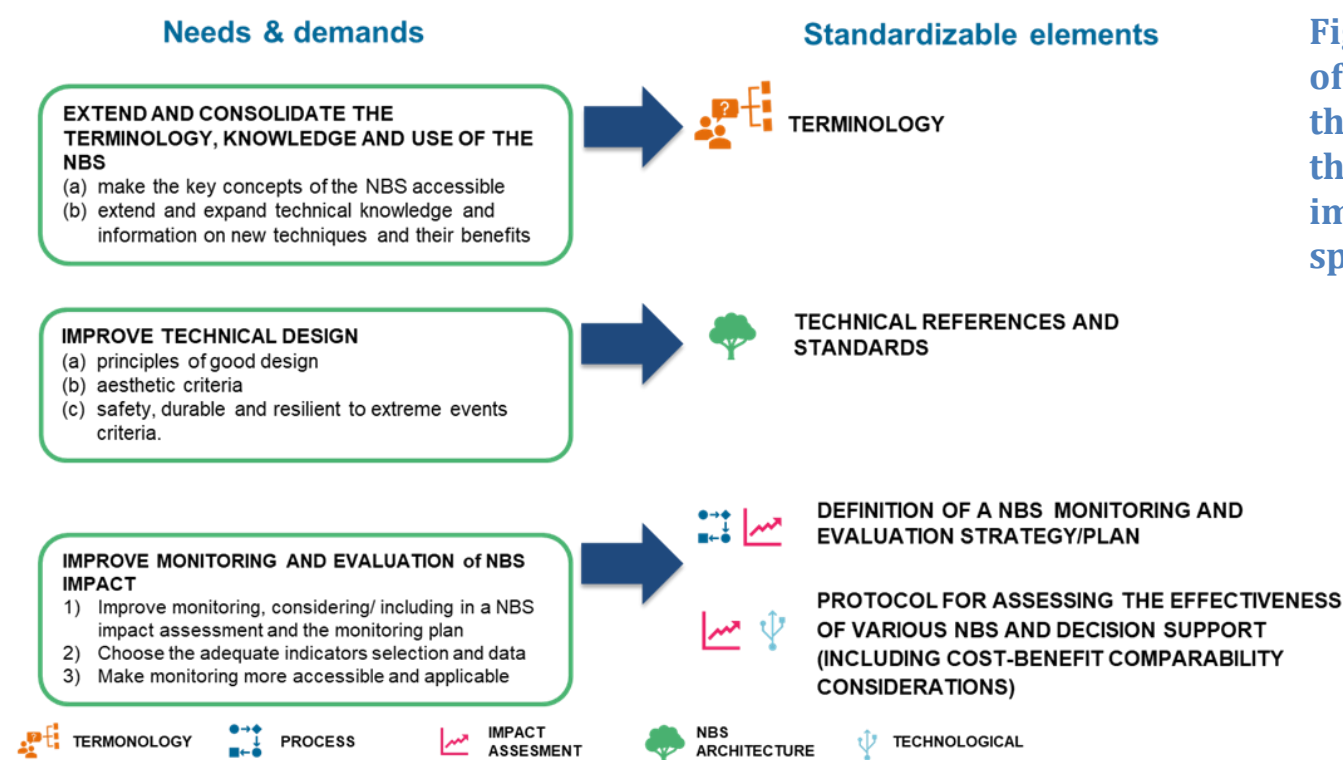


Figure 1. Example of the findings of the desk study in the NBS design & implementation sphere

Methodology

How has CLEVER-Cities supported the standardisation of NbS? By identifying and prioritising the main needs and demands and identify which of those needs may benefit from an standardisation process. A mixed methodology was followed:

- Desk study:** 17 EU NBS publications + outputs from 28 EU NBS projects. Needs were classified around 5 thematic spheres and 5 standardisation categories
- Survey** (NetworkNature): Prioritise the needs



THEMATIC SPHERES	STANDARDISABLE ELEMENTS/ PROCESSES	STANDARDISATION CATEGORY
NBS TECHNICAL DESIGN AND IMPLEMENTATION	★ Terminology	Terminology
	★ Technical references and standards	NBS Architecture
	★ Protocols for assessing the effectiveness of various NBS and decision support (including cost-benefit comparability considerations)	Process
	★ Definition of an NBS monitoring and evaluation strategy/plan (Specificities to consider when assessing the impact of NBS)	Process
	★ Pre-project assessments to understand local needs and existing initiatives first and to set goals	Impact Assessment
NBS PLANNING	★ A planning process on how to take NBS into account in planning to achieve environmental and sustainable objectives	Process
	★ Guidelines on considerations and steps to support scaling up of NBS	Process
POLICY AND GOVERNANCE	★ Process to promote political consensus and commitment that legitimizes NBS	Process
	Process on how to find the best composition of stakeholder groups	Process
	Process for improving horizontal and vertical coordination (administration)	Process
	Process to strengthen collaborative governance	Process
	A process to improve the processes of co-design	Process
	A process to strengthen capacity building	Process
NBS FINANCING AND ECONOMIC ACTIVITIES	★ Methodology for assessing the cost-benefit ratio of NBS	Impact Assessment
	★ Methodology on the monetization of the benefits of NBS or ecosystem services	Impact Assessment
	★ Methodology to carry out investment rating	Impact Assessment
	★ Process on how to develop (alternative) business and finance opportunities and models for NBS	Process
COMMUNICATION AND AWARENESS RAISING	A process for developing an effective communication and awareness-raising strategy	Process

★ Priority Incorporated after the review Specific of NBS Non Specific of NBS

Figure 2. Needs that were considered for the survey

Terminology was found to be the most frequently selected need to be standardised (14%) followed by Technical standards (11%) and protocols for assessing the effectiveness of various NBS and decision support.

Source: CLEVER D5.7 Standardisation Roadmap