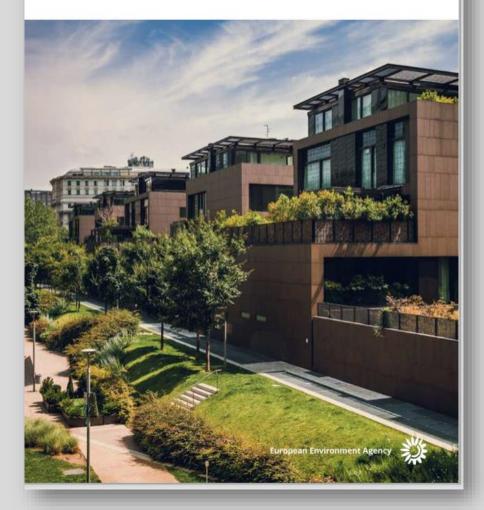
EEA Report No 01/2021

Nature-based solutions in Europe:

Policy, knowledge and practice for climate change adaptation and disaster risk reduction





Planbureau voor de Leefomgeving

Knowledge base on NbS for addressing climate risk

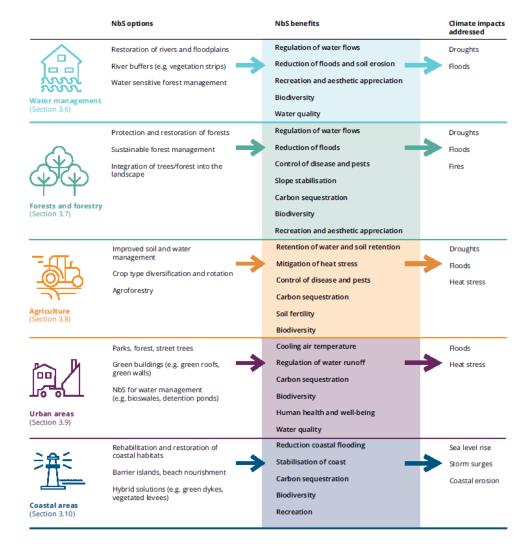
Key findings Chapter 3

Clara Veerkamp @ CMCC Webinar



Rapidly expanding scientific evidence base

- Multiple climate impacts in Europe
- NbS options to address climate change involves different interventions
 - Conservation and restoration of ecosystems
 - Sustainable management and `climateproofing' of ecosystems
 - Creation of new, engineered ecosystems
- Multifunctional as key advantage: increase resilience to climate change while providing many additional societal benefits
- Biodiversity at the core for successful NbS



Overview of key climate impacts & NbS options across five thematic areas

Improving the knowledge base

- Vulnerability of NbS to climate change?
- Lack of knowledge on net effectiveness of NbS
 - environmental benefits known better than sociocultural and economic benefits
 - Stakeholder involvement for co-design and assessment of NbS
 - Synergies and trade-offs (incl. cost, disservices) between different NbS & compared to grey infrastructure
- Need for appropriate indicators, evaluation tools (incl. long-term studies) and integrated assessment method

