

DG INTPA F.4

UDTF

**Urban Development
Technical Facility**

Urban Solutions: **Nature-based Solutions (NbS)**

Speaker: **Karen Naciph, ICLEI Europe**

NATURE-BASED SOLUTIONS ARE...

IUCN,
2016

“Nature-based Solutions are **actions to protect, sustainably manage, and restore natural and modified ecosystems** that address **societal challenges** effectively and adaptively, simultaneously **benefiting people and nature.**”

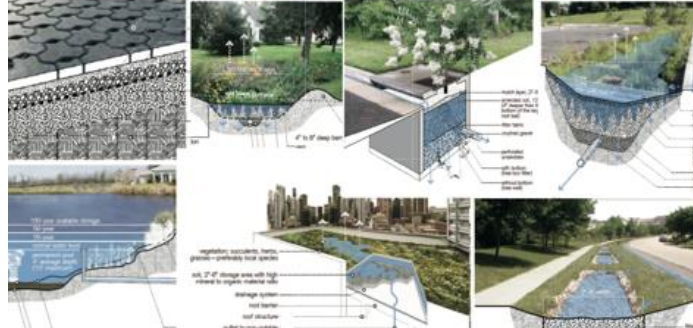
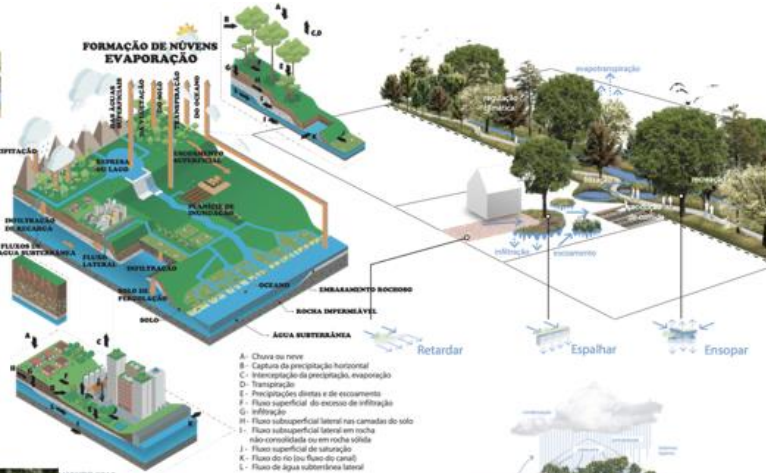
**European
Commission,**
2015

“Solutions that are **inspired and supported by nature**, which are **cost-effective**, simultaneously **provide environmental, social and economic benefits** and help **build resilience**. Such solutions bring more, and **more diverse, nature and natural features and processes into cities**, landscapes and seascapes, through **locally adapted, resource-efficient and systemic interventions**. Nature-based solutions **must therefore benefit biodiversity** and support the delivery of a range of ecosystem services.”

UNEA,
2022

“NBS are actions to **protect, conserve, restore, sustainably use and manage natural or modified terrestrial, freshwater, coastal and marine ecosystems**, which address **social, economic and environmental challenges** effectively and adaptively, while simultaneously **providing human well-being, ecosystem services and resilience and biodiversity benefits**. The resolution further states that nature-based solutions respect social and environmental safeguards.”

NATURE-BASED SOLUTIONS ARE... SOME EXAMPLES



<http://uacdc.uark.edu/work/low-impact-development-a-design-manual-for-urban-areas>

www.turenscape.com



NBS CAN ADDRESS MANY SOCIETAL CHALLENGES

Impact assessment of NbS is classified by the EC across 12 societal challenge areas



Policy sectors related to NbS

Biodiversity	Forests	Land use and forestry	Water	Agriculture	Climate change adaptation	Disaster risk reduction
<ul style="list-style-type: none"> · Biodiversity Strategy for 2030 · Strategy on Green Infrastructure 	Forest Strategy	LULUCF Regulation	<ul style="list-style-type: none"> · Water Directive · Floods directive 	Common Agricultural Policy	Strategy on adaptation to climate change	Action Plan on the SFDRR 2015-2030

WHAT CAN MEMBERS EXPECT TO GET OUT OF THIS NETWORK?

The group will focus on:

- The potential use of NBS to address urban challenges
- Enhancement of urban infrastructure through the use of Green and Blue infrastructure, and hybrid solutions
- The role of urban areas in biodiversity enhancement and the importance of NbS
- Exploring opportunities for upscaling and replicating NbS
- Identifying gaps in the current policy framework limiting the mainstreaming of NbS.



MESSAGE TO A WORLD THAT IS DEVELOPING THROUGH URBANIZATION



<https://networknature.eu/product/22734>

NbS can provide a variety of ecosystem services able to improve environmental conditions and quality of life on urban areas

Path towards resilient and healthy cities: climate, risk management, urban infrastructure, land use planning public space, can be related to NbS implementation

The use of NbS in urban areas should be promoted through the revision of the relevant policy framework

The design of solutions should be tailored to the local context where implementation will take place