

HOW CAN YOUR CITY ACHIEVE THE EUROPEAN GREEN DEAL WITH NATURE-BASED SOLUTIONS?

Nature-based solutions represent green, innovative solutions where nature is used to tackle socio-environmental challenges.

ENHANCE EU'S ADAPTATION TO CLIMATE CHANGE

NATURE-BASED MANAGEMENT OF WATER AND TERRESTRIAL SYSTEMS reduce and slow stormwater runoff in urban environments, reducing the risk of floods and increasing groundwater recharge.



URBAN GREENERY can cool urban areas by between 2°C and 8°C and reduce the heat island effect.

MAKE BUILDINGS ENERGY EFFICIENT

GREEN ROOFS AND FAÇADES create a cooler climate both inside and outside buildings, as plants absorb 50% and reflect 30% of sunlight. A green façade can provide -7°C to -15°C cooling effect to the building.



WHEN PLANTED NEAR BUILDINGS, TREES can reduce air conditioning use by 30% and heating energy use by 20% to 50%.

PRESERVE AND RESTORE ECOSYSTEMS AND BIODIVERSITY

Nature-based solutions create habitats for a **DIVERSE RANGE OF PLANT AND ANIMAL SPECIES**, including pollinators.



PARKS, GARDENS, WETLANDS, BIOSWALES, GREEN ROOFS and GREEN WALLS can all contribute to enhancing biodiversity in our cities.

IMPROVE AIR AND WATER QUALITY

Nature-based solutions such as **BIOFILTERS, INFILTRATION PONDS and BIOSWALES**, improve water quality through water filtration.



URBAN GREENERY improves air quality in cities. One large tree can absorb 150 kg of CO₂ each year and filter some airborne pollutants, including fine particulate matter.

WHAT IMPACTS WILL NATURE-BASED SOLUTIONS HAVE ON YOUR CITY AND CITIZENS?



Green areas make **CITIES AND NEIGHBOURHOODS MORE ATTRACTIVE**. On average, trees increase property values by 20%.

Nature-based solutions improve the air, water and soil quality in cities, creating **HEALTHIER ENVIRONMENTS FOR CITIZENS**. Urban greenery acts as a sound barrier and **REDUCES NOISE POLLUTION** in cities.



Green spaces enhance **CITIZENS' MENTAL HEALTH** and well-being, and encourage **PHYSICAL AND RECREATIONAL ACTIVITIES**.



Green interventions such as trees, green walls and green roofs lead to **LESSER ENERGY COSTS FOR HOUSES AND APARTMENTS**.

Nature-based solutions are often **MORE COST EFFECTIVE** in the long-term than purely technical solutions, as they have low maintenance costs and can **BECOME SELF-SUSTAINING OVER TIME**.



Nature-based solutions lead to the creation of **NEW JOB OPPORTUNITIES**.