Nature Based Solutions in Urban Areas

SERVICES PROVIDED by the ecosystem

- NbS are KEY CLIMATE ADAPTATION AND DISASTER RISK REDUCTION STRATEGIES in cities
- Urban NbS bring BIODIVERSITY, WATER REGULATION, CLEANER AIR, GREENER TRANSPORT AND ENHANCED WELLBEING to cities
- Carbon sequestration by NbS could offset up to 47.6% of emissions in cities

Relevance to FINANCIAL INSTITUTIONS

- Damages to urban areas with current levels of flood protection is expected to cost USD 64 BN per year by 2050
- NbS infrastructure can be provided up to 50% MORE COST EFFECTIVELY THAN ‘GREY’ SERVICES
- Nature loss puts an estimated 44% of global GDP in urban areas (USD 31 TN) at risk of disruption

BENEFITS OF INVESTING in this ecosystem

- Investing in urban NbS PROMOTES RESILIENT, EFFECTIVE AND EFFICIENT NET-ZERO AND NATURE-POSITIVE CITIES
- Cooling capacity of trees is estimated to be 1.1 to 2.9°C for >600 CITIES across Europe
- Urban trees in 10 of the world’s megacities generate USD 482 M per year IN HEALTH COST SAVINGS as a result of pollutants reduction

Sources: FAO, Nature Conservancy, ENCORE, TIAA Center for agricultural research, BCG and Nature Climate Change