



Workshop A5

Building Inclusive Multi-stakeholder and Bankable Flood Resilience in Cities

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Opportunities for inclusive blue-green infrastructure in cities



INCREASE QUALITY OF LIFE

MITIGATION

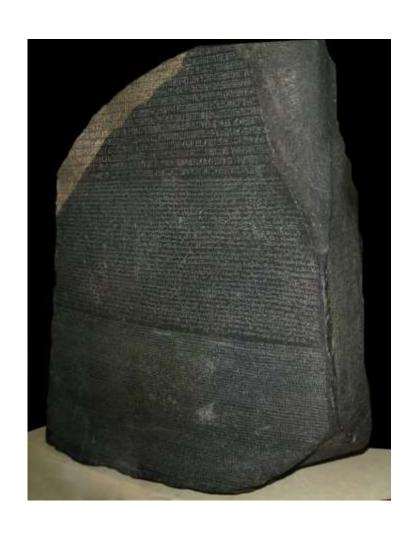
Trees & Green spaces **Green roofs Green walls** help to cope with hot weather through shading & evaporation cooling,

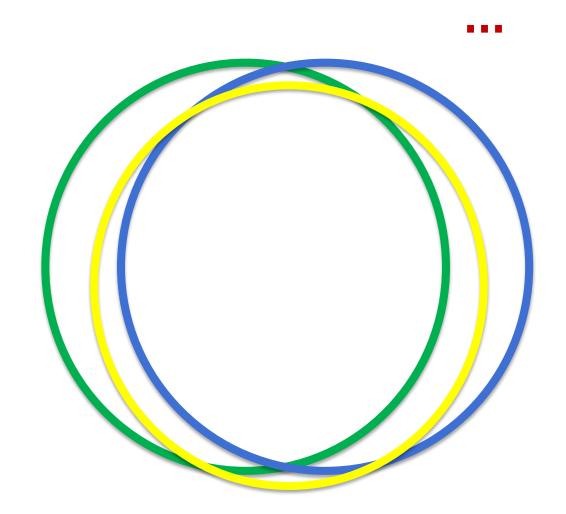
help save energy

SPACE FOR NATURE

FLOOD PROTECTION

The Rosetta Stone EBA - NBS - GI eco-DRR - NWRM







Policy Framework(s)

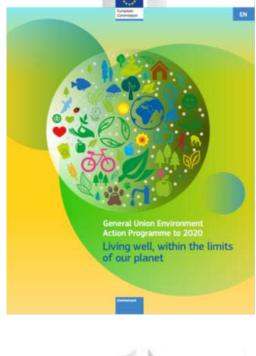
EU Action Plan for nature, people and the economy

- 7th EPA
- EU 2020 Biodiversity Strategy
- Green Infrastructure (GI)

Water Framework Directive Flood Directive

 Natural Water Retention Measures (NWRM)

policy signals to decisionmakers, planners, promotors to invest in working with nature at local, regional, national and cross-boundary levels





Water Retention & Land Use related Measures

Measures

Reforestation and afforestation
Riparian forests and vegetation
Meadows / Pastures restoration
Buffer strips, Tillage, Terracing
Crop practices, Green Cover
Filter strips, Swales, Ponds
Permeable surfaces, Filter Drains
Floodplain restoration
Restoration and management of
Lakes and Wetlands
Revitalisation of flowing waters
Bank stabilisation and remeandering

Direct Impacts

improving soil's water
storage capacity
limiting soil erosion
increasing groundwater
recharge
conserving water in
natural systems
decreasing speed,
controlling runoff
increasing retention
time
smoothing peaks

Ecosystem Services

Flood prevention
Water provision
Water purification
Connectivity
Recreation
Carbon storage

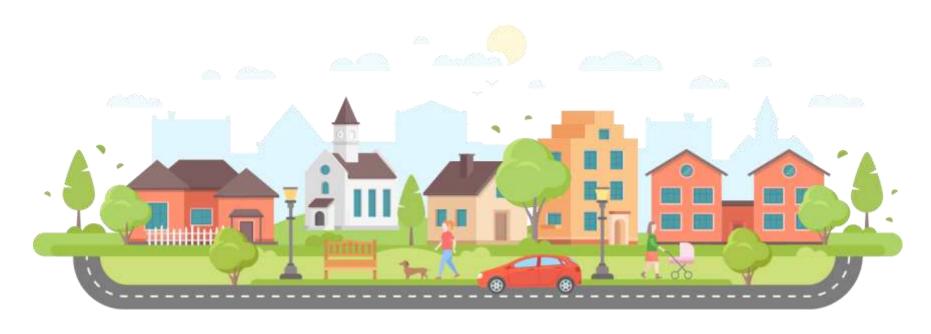


EnRoute Enhancing Resilience of Urban Ecosystems through Green Infrastructure



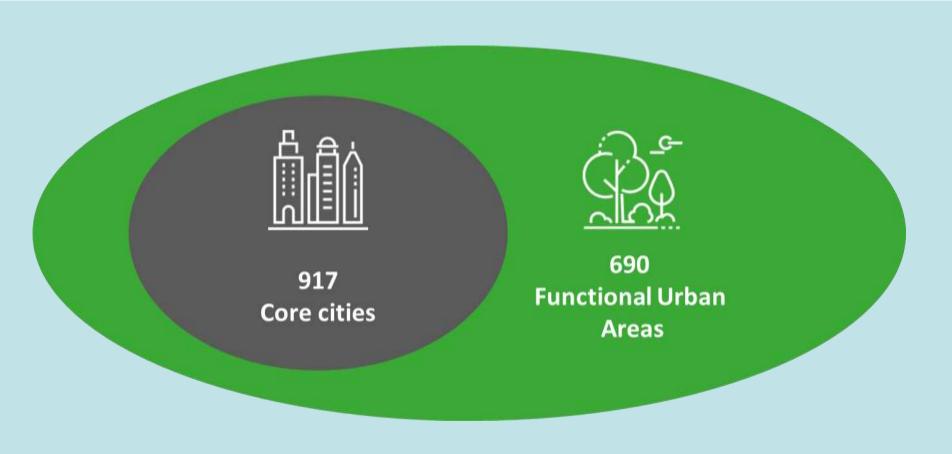


City labs



Antwerp ● Glasgow ● Greater Dublin ● Helsinki, Espoo & Vantaa ● Karlovo Leipzig ● Limassol ● Lisbon ● Manchester ● Oslo ● Padua ● Poznan Rome ● Tallinn ● The Hague ● Trento ● Utrecht ● Valletta

Options for upscaling based on an EU wide assessment of urban green infrastructure



25 indicators

- Green
 Infrastructure
- Air quality
- Population
- Soil sealing
- Ecosystem services
- Natura 2000



The potential of urban green infrastructure is not fully tapped

- Measuring is knowing: urban GI map is a key product for urban planning
- A network of urban GI can help achieve local and regional biodiversity goals
- Urban GI: a bridge between scientists, policymakers and citizens to make cities sustainable and resilient



City-lab: Rome





More information on DG ENV and BISE webpages:





http://ec.europa.eu/environment/nature/ecosystems/index_en.htm

http://biodiversity.europa.eu/bise-catalogue, > Green Infrastructure