



**REGIONS
& CITIES**

**European Week
Brussels 8-11 October 2018**

UIA 4th Call: Sustainable Land Use and Nature Based Solutions

Brussels, 11 October 2018



**REGIONS
& CITIES**

**European Week
Brussels 8-11 October 2018**

What is at stake ?

- 1,000 km² 'land take' every year, partly for urban extension/sprawl
- other are irreversibly eroded or degraded: heavily polluted urban brownfield
- other are underused: especially in shrinking cities

Loss of ecosystem services:

- clean air
- water provision and regulation
- climate regulation, mitigation of natural disaster risks, etc.



⇒ Threats in terms of :

- Security (Disasters, Food security, social inequalities)
- Health
- Quality of life and wellbeing
- Economy

⇒ **Unsustainable travel patterns**



**REGIONS
& CITIES**

**European Week
Brussels 8-11 October 2018**

Sustainable land use and Nature Based Solutions: the winning combination for liveable and compact cities

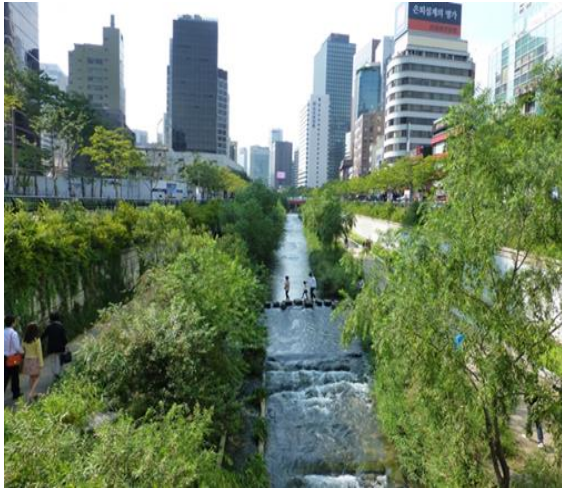
Major challenge

Right balance between compactness, high standards of quality of life and inclusiveness.

Mainstream and promote nature-based solutions as a tool to build sustainable and liveable urban spaces.

Green (and Blue) Infrastructure & Nature Based Solutions have multi-benefits for urban areas :

- health benefits (i.e. decreased air pollution, reduction of urban heat island)
- social benefits (i.e. crime reduction, inclusion)
- Environmental and cultural benefits (i.e. recreation opportunities, ecological connectivity)
- Economic benefits (i.e. prevention of climate adaptation and reduction of climate related risk, creation of jobs, diversification of local economies)





**REGIONS
& CITIES**

**European Week
Brussels 8-11 October 2018**

Sustainable land use and Nature Based Solutions: the winning combination for liveable and compact cities

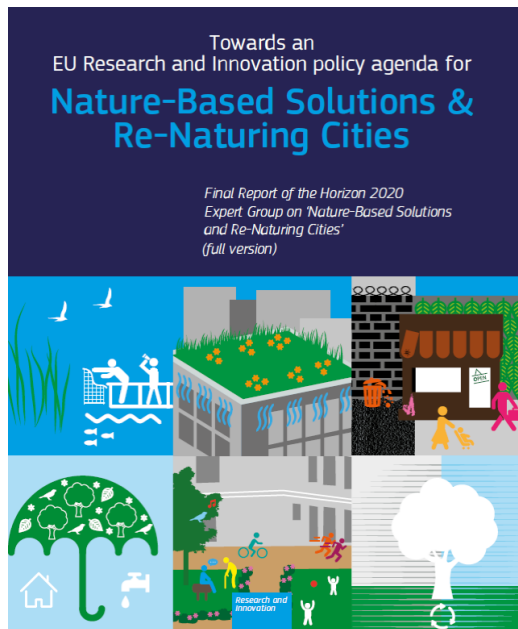
- **No overarching policy framework on sustainable land use but:**
[EU soil Thematic Strategy](#): Zero Net land take by 2020
[Urban Agenda for the EU Partnership for sustainable land use and NBS](#)*
- **Mainstream and promote sustainable land use, tackling urban sprawl: need of**
 - > A **city friendly EU common assessment framework for land take/use and NBS benefits**
 - > **Integrated urban planning** including strategy at the Functional Urban Area scale
 - > Innovative **Finance, business and governance models** for brownfield and underutilised land re-use
 - > **Raising awareness** on the impacts of urban sprawl and benefits of re-naturing cities
- **For dynamic centers and for shrinking cities – taking into account market and fiscal drivers**

* Partnership lead by PL and Bologna with: Antwerp, Cork , Lille Metropole, Stavanger, Verband Region Stuttgart, Zagreb; MS Cyprus, Lithuania, Luxembourg, Portugal, Slovenia & NGOs (Eurocities, Iclei, URBACT), DG RTD , JRC, EEA and EIB.



**REGIONS
& CITIES**

**European Week
Brussels 8-11 October 2018**



Sustainable Land use and NBS, an opportunity for cities and urban areas

European policy frameworks on Green Infrastructure and Nature Based Solutions:

[Green Infrastructure Strategy](#)

[Action Plan for People, Nature and the Economy](#)

[Nature Based Solution Research and Innovation initiative](#)

Nature Based Solution Research and Innovation initiative is funding through Horizon 2020 innovative projects: on [business, governance and finance models](#) (2016 call) + urban pilot projects for demonstrating NBS multibenefits with a focus on:

- [water and climate resilience](#) (2016 call)
- urban regeneration (same call but in 2017)
- [health and well-being](#) (2019 call)
- mitigation and air quality (2020 call)

More info on the calls on: <http://ec.europa.eu/research/participants/portal/> and on the projects on <https://www.think-nature.eu/about/#partnerprojects>



**REGIONS
& CITIES**

**European Week
Brussels 8-11 October 2018**

Sustainable land use and Nature Based Solutions: What type of innovative approaches (ToR)

a) incorporation of blue and green infra and promotion of systemic NBS for inclusive urban regeneration and sustainable urban development

b) Innovative approaches to sustainable land use and land use planning

Remediation, restoration and prevention of the formation of brownfield

Adaptive reuse of vacant and underutilized land

Renaturing urban spaces for climate change mitigation and adaptation

Tackling the existing urban sprawl and preventing further urban sprawl

Promotion of sustainable urban farming



**REGIONS
& CITIES**

**European Week
Brussels 8-11 October 2018**

Good Practices :

Lisbon: Nature Based Solutions for sustainable urban regeneration:

- "One square in each neighbourhood" programme for bioclimatic confort and biodiversity targets in 30 city spots
- Urban farming
- 9 green corridors, incl. 30000 street trees and biodiverse meadows

Lisbon 42 247 street trees provide services estimated at about euros 7,5 millions annually, for 1,7 million spent managing them

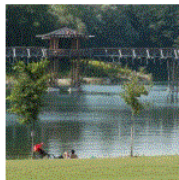




Edinburgh - NBS
enhancing health,
wealth and
sustainability



Genk - NBS bridging
green and industrial
heritage



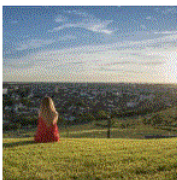
Linz - NBS as a motor
for urban growth



London - NBS for a
leading sustainable
city



Milan - NBS for urban
regeneration



Oradea - Improving
quality of life with
NBS



Poznań - NBS for a
friendly, mobile city



Rotterdam - NBS for
building a waterproof
city

Nature Based Solutions are:

- Multi-benefits: several ecosystem services are fostered at the same time
- Adapted and integrated in local context
- Ressource-efficient (including money)
- Living solutions: no biomimicry
- Co-created with the citizen

Other good practices and tools on: oppla.eu