



# Forest Landscapes: solutions for climate change mitigation - Nature-based solutions

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# Past EU R&I: a focus on challenges

ex.: floods, soil contamination, air pollution...



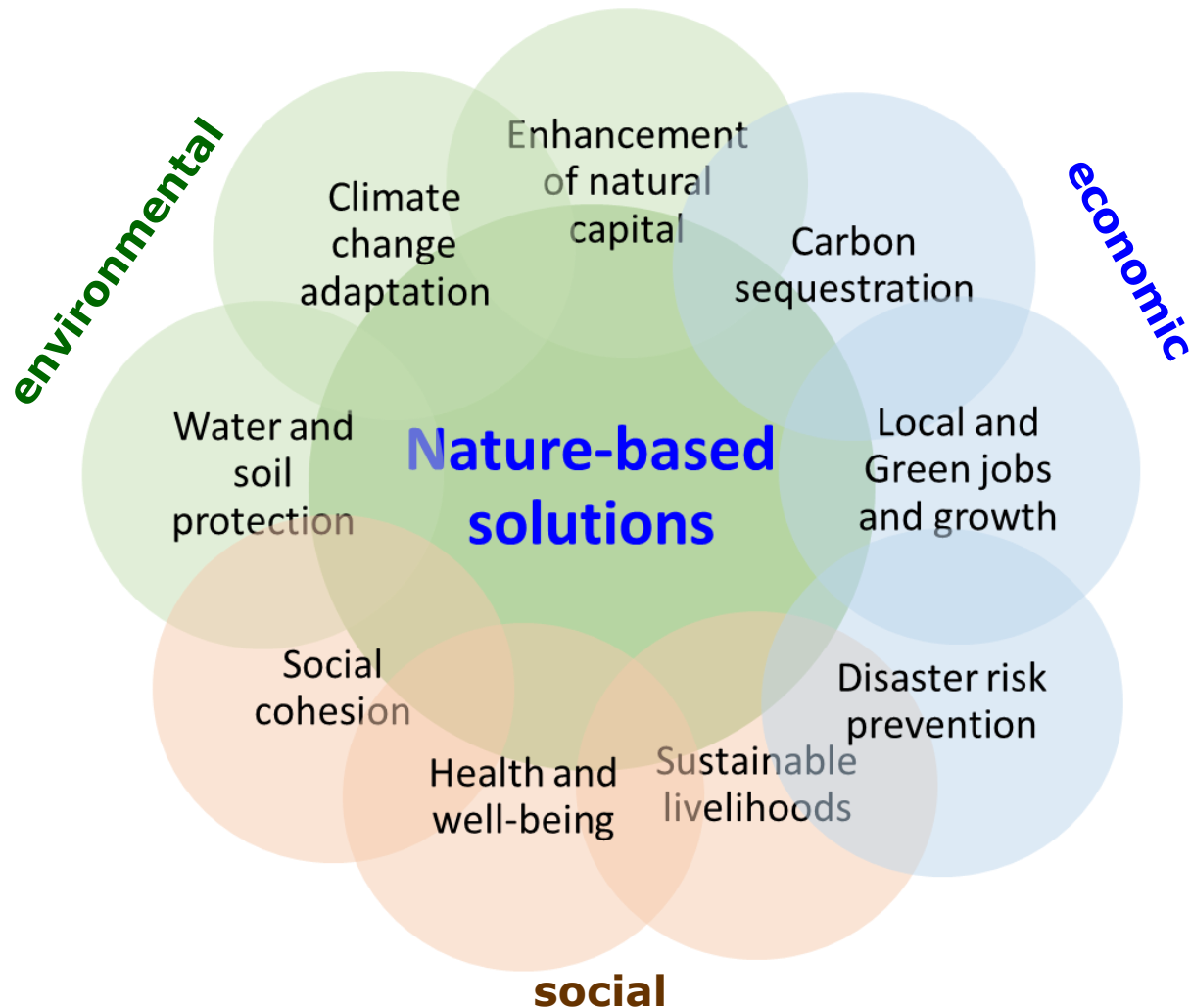
## Policy context and new EU R&I orientations

- **UN Sustainable Development Goals**
- **European Commission priorities**, notably
  - A new boost for Jobs, Growth and Investment
  - A resilient Energy Union with a forward looking climate change policy
  - EU as an active global actor
- **EU R&I:**
  - **Open Innovation, Open Science, Open to the World**
  - **Horizon 2020**, EU Research and Innovation Framework Programme, 2014-2020
  - **Focus on solutions**, notably **nature-based solutions** to societal challenges such as climate change

# Nature-based solutions for smart, green and inclusive cities



- ✓ inspired or supported by nature
- ✓ economic, social and environmental benefits and resilience
- ✓ systemic, resource-efficient locally adapted interventions
- ✓ more nature and natural features into cities and landscapes





## Our main objectives...invest in solutions



*Widening the solutions portfolio beyond technological innovation → foster social innovation*

*Providing systemic, scalable, integrated nature-based solutions at landscape & city level*

*Fostering the co-design, co-development, co-implementation of solutions*

*Leveraging of investment (public & private sector)*

*Supporting replicable solutions towards the market (performance, governance, incentives)*

# Horizon 2020 work programme 2016-2017

## Cross-cutting Call: Smart and sustainable cities

### Sustainable Cities

#### 2016:

- Demonstrating innovative nature-based solutions for climate and water resilience in cities  
(Innovation action)

## Call: Greening the economy

### Territorial resilience

#### 2016:

Insurance value of ecosystems (R&I)

#### 2017:

Hydro-meteorological risk reduction  
(Innovation action)

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# Innovation actions - Demonstration projects – implementation modalities

- Large scale **multi-stakeholder** demonstration projects
- **'Front-runner'** (at least 2) and **'follower'** (at least 3) cities/areas from EU MS and/or AC
- **'Front-runner'** cities/ areas as living labs that
  - **invest in**, deploy, test, demonstrate **nature-based solutions** (NBS)
  - **mentor**, assist and advise 'follower' cities/areas
  - **contribute** to **EU-wide evidence repository** on NBS
- **'Follower'** cities/areas commit to **develop**, within the duration of the project, **a plan** for re-naturing their city/area, integrating demonstrated nature-based solutions adapted to their context



