

**NATURVATION**  
cities – nature – innovation



# Taking stock of NBS in European cities and related policies

First results from NATURVATION





# NATURVATION

NATure-based Urban  
innoVATION

- Horizon 2020, 4-year project funded by the European Commission;
- Involving 14 institutions across Europe: urban development, geography, innovation studies and economics;
- *Seeks to develop understanding of **what NBS can achieve**, examine how **innovation** can be fostered in this domain, and contribute to **realising the potential of NBS** for responding to urban sustainability challenges.*

Advanced  
assessment  
of NBS



Identification  
of critical  
factors  
shaping  
urban  
innovation



NATURVATION  
partnerships, knowledge  
platforms, processes and  
tools *will build momentum  
for the systemic  
integration of NBS*

# Cities included in the database

## ASSIGNMENT OF CITIES

NBS interventions are collected from 100 cities across Europe, as shown on the map. The 6 URIP cities are highlighted.







naturvation.eu  
/atlas

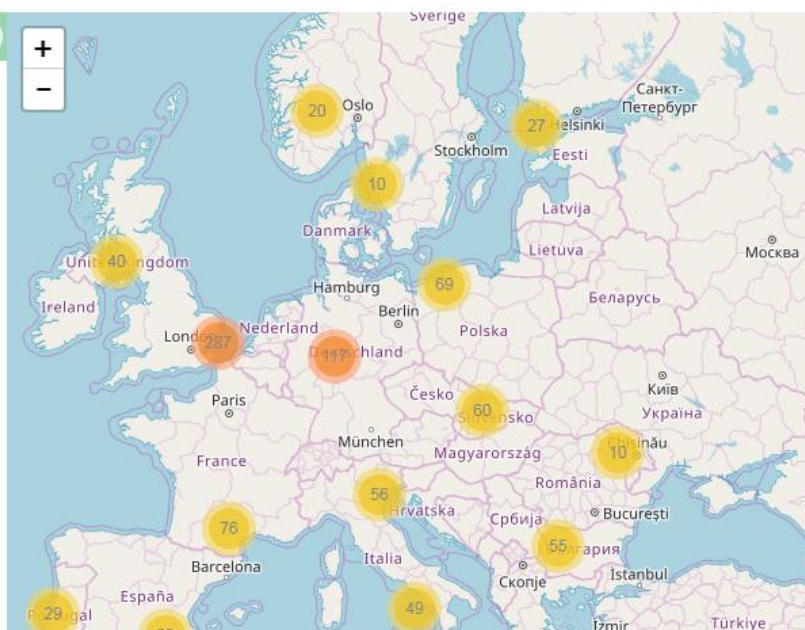


## ABOUT THE ATLAS

Welcome to the Urban Nature Atlas! It contains almost 1000 examples of Nature-Based Solutions from across 100 European cities.

Use the **Quick Search by icon** (to the right of the map) or the **Advanced Search** (below the map) to identify the projects fitting your interests.

The map will be updated to display the results of your search, and a list of all relevant projects is displayed below. Click on the title of projects for further information.



## QUICK SEARCH BY ICON

### KEY CHALLENGES



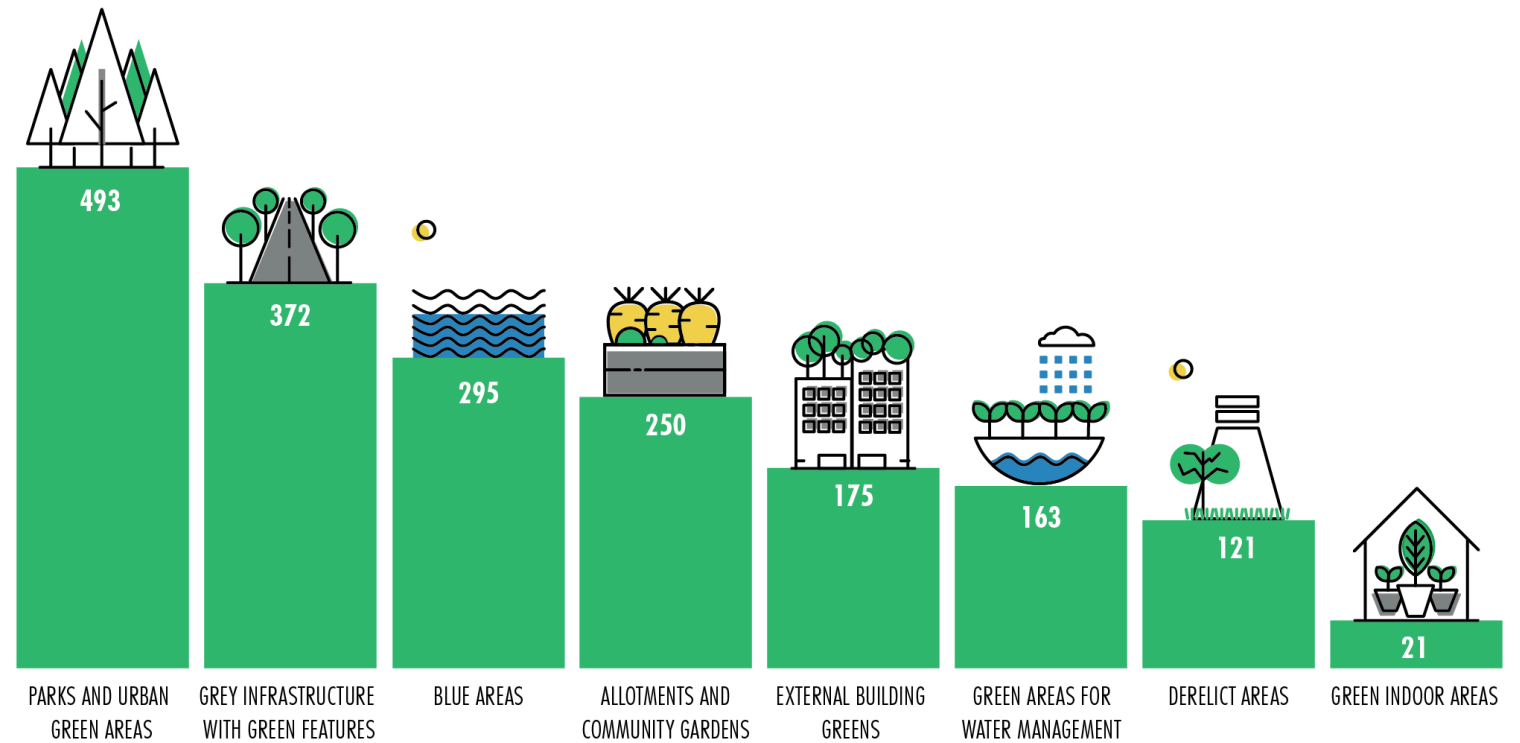
### URBAN SETTING



### PROJECT COST

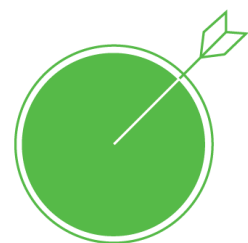


# Number of NBS per ecological domain

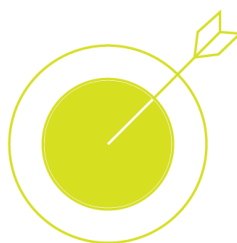




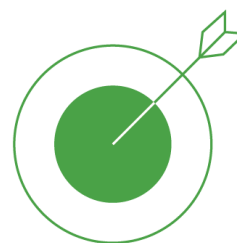
# Sustainability challenges addressed by NBS in the Naturvation database



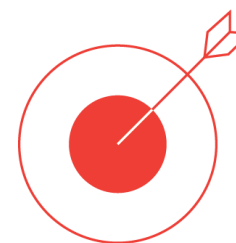
GREEN SPACE, HABITATS  
AND BIODIVERSITY  
**(843)**



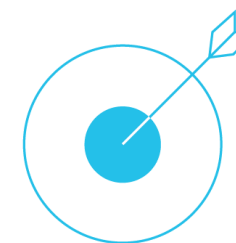
REGENERATION, LAND-USE  
AND URBAN DEVELOPMENT  
**(584)**



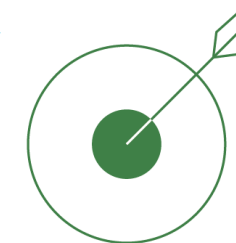
HEALTH AND WELL-BEING  
**(539)**



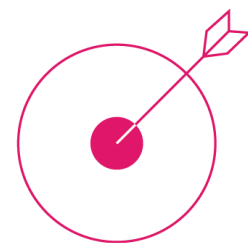
ENVIRONMENTAL QUALITY  
**(449)**



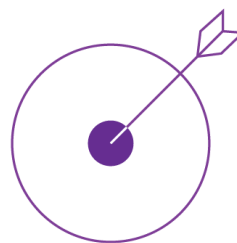
WATER MANAGEMENT  
**(351)**



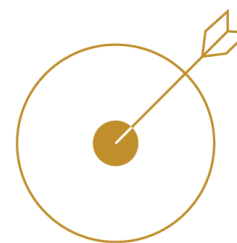
CLIMATE ACTION  
**(319)**



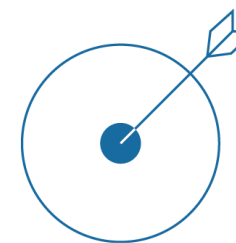
SOCIAL JUSTICE, COHESION  
AND EQUITY  
**(242)**



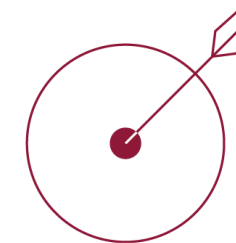
CULTURAL HERITAGE  
AND DIVERSITY  
**(209)**



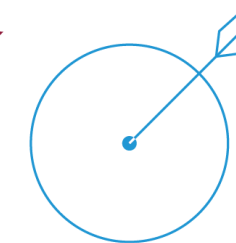
SCP  
**(204)**



GOVERNANCE  
**(187)**



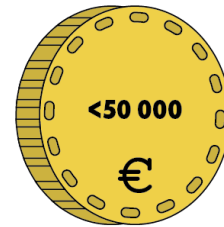
ECONOMIC DEVELOPMENT  
AND DECENT EMPLOYMENT  
**(144)**



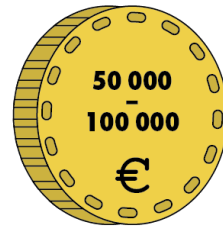
COASTAL RESILIENCE AND  
MARINE PROTECTION  
**(66)**



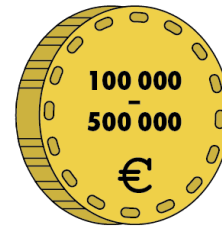
# Financial scale of the NBS interventions



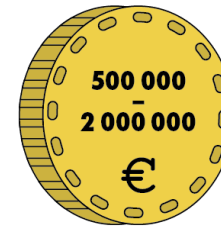
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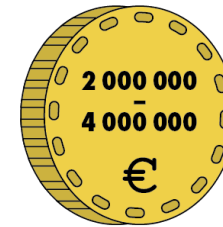
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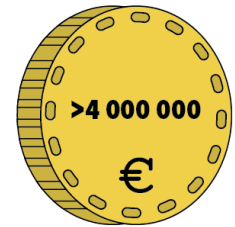
**103**



**96**



**66**



**209**



# EU and National Policies to Support NBS

- To what extent are NBS-related concepts reflected in and supported by current EU policy frameworks?
- Do Member State discourses and policy developments mirror or rather disregard those of the EU?
- What potential policy opportunities are available to enhance NBS planning and deployment?





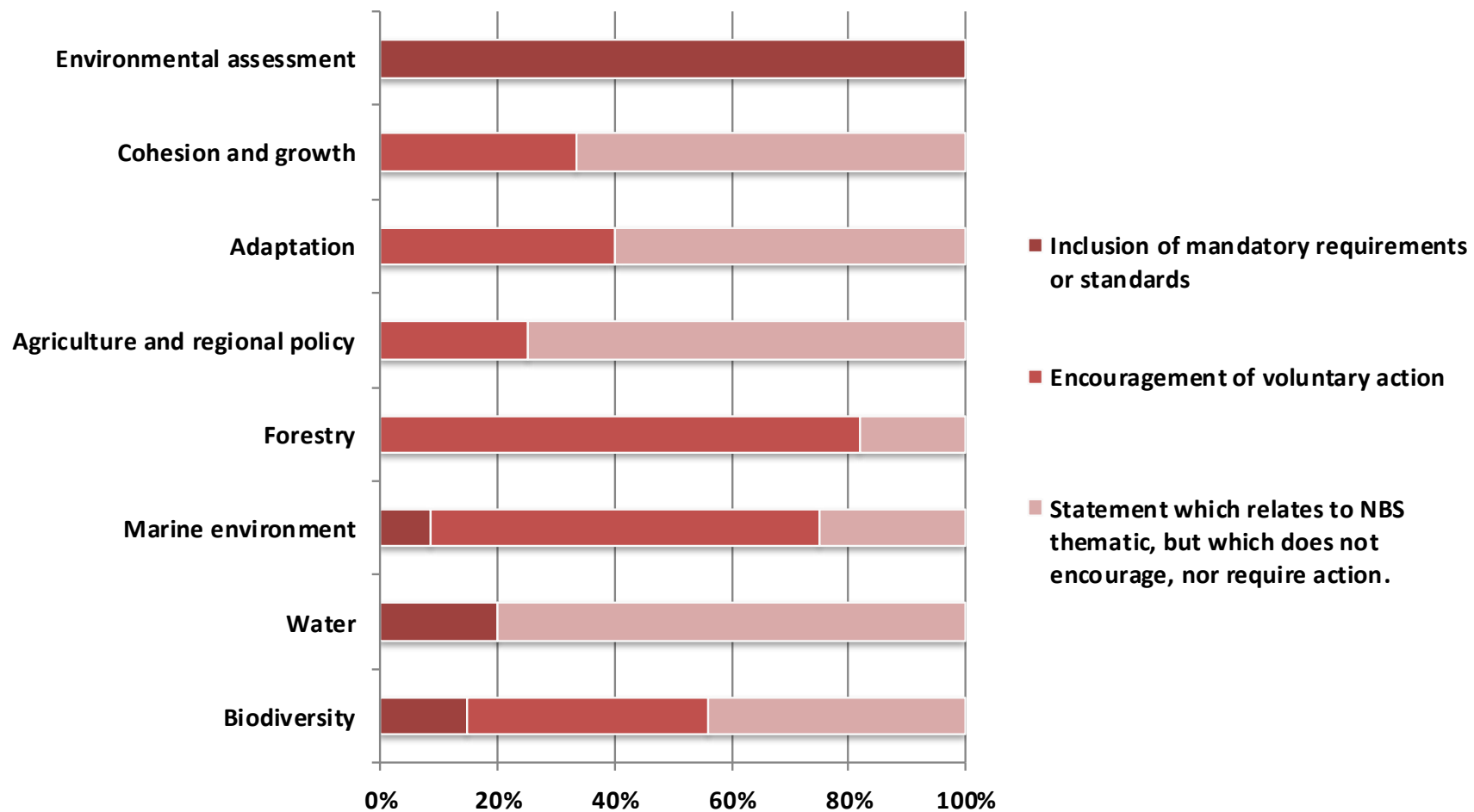
# NBS and related concepts

**NATURE-BASED SOLUTIONS**

Image Credit: © Copyright Showeet.com



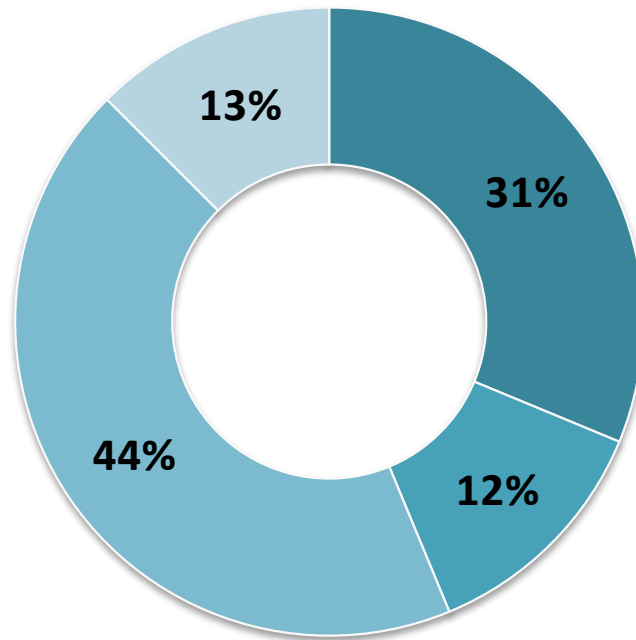
# EU Findings: Nature of policy instruments



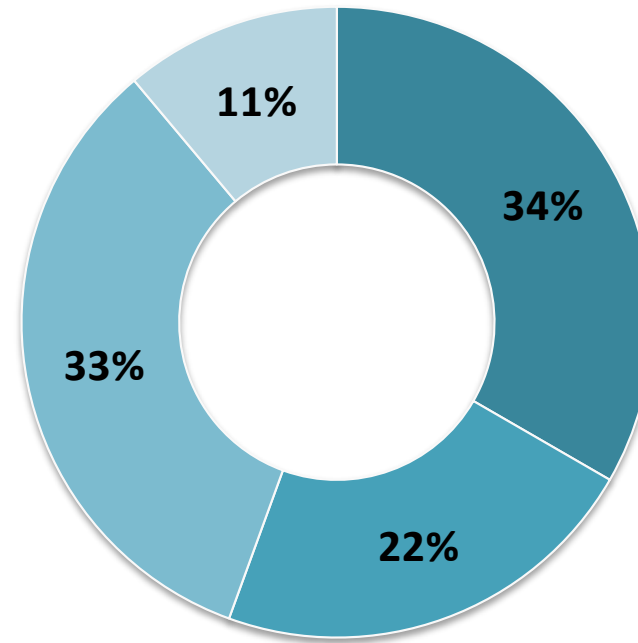


## EU Findings: Implicit vs. explicit support

Level of NBS support  
in policies

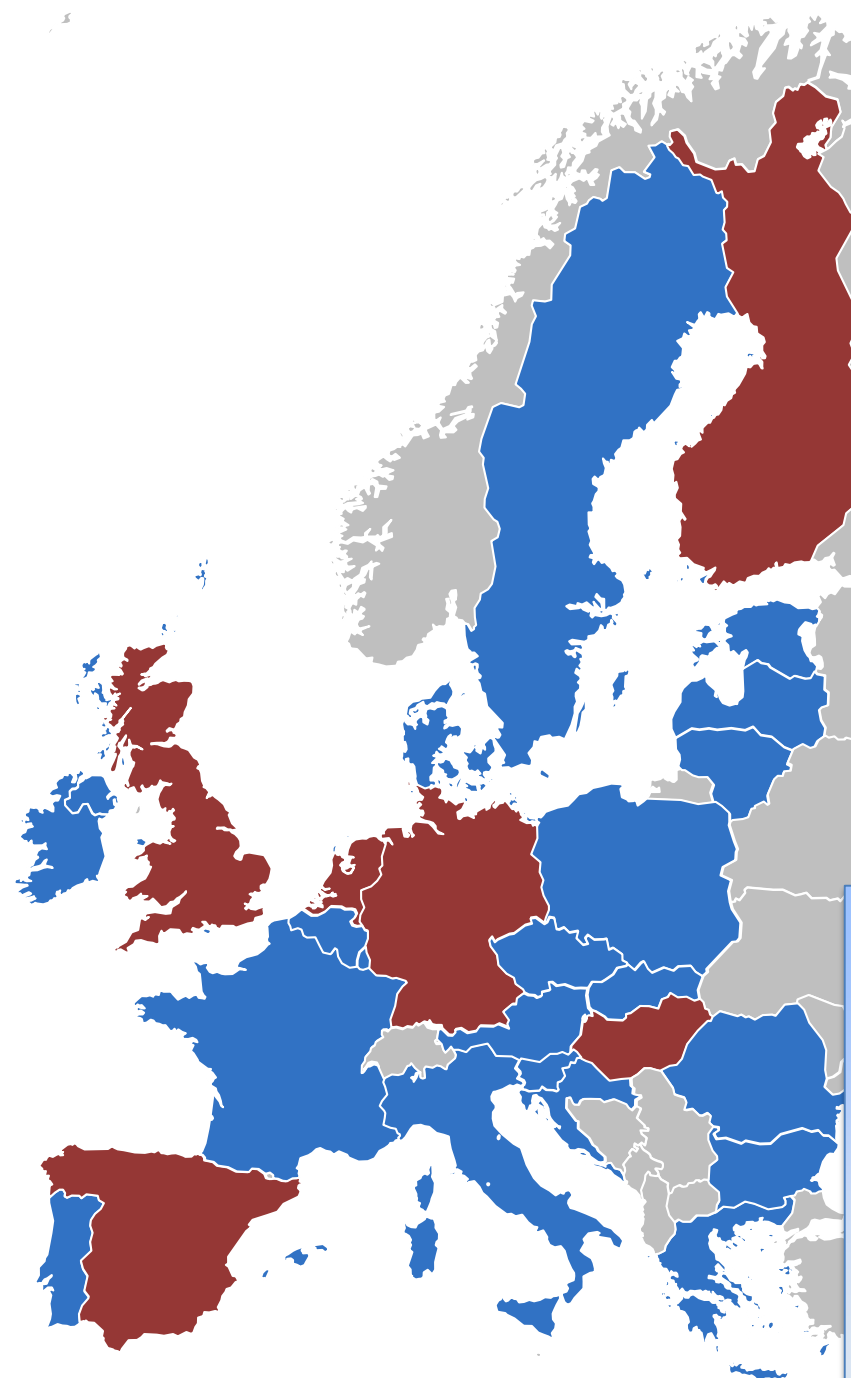


Level of NBS support in  
funding instruments



- Strong explicit support
- Strong implicit support
- Medium support
- Low support

# National examples: Sweden and Germany



## Sweden



Green Infrastructure and ES



Swedish Env. Protection Agency, National Board for Housing, Building and Planning



Swedish Strategy on BD and ES (2014) → valuation of ES and mandatory Regional Action Plans for GI by 2018

## Germany



Green Infrastructure, urban green (space)



Environmental Ministry (enlarged by 'building' topic)



White paper and urban development fund "Green in the City", Federal concept on GI (2017)



# Helping hand? Or a thorn in the foot?

- Current policy frameworks do provide a basis for supporting NBS-related concepts, but...
  - Lacking quantitative and measurable targets
  - Need stronger focus on creation of new spaces, alongside restoration and maintenance/management actions
  - Untapped potential to deploy NBS in urban areas
- Uptake depends largely on MS self-initiative and commitment, but...
  - Cities and regions are more likely to have supportive NBS policies if one exists at higher governance level (Urban MAES Report, 2016)
  - Mandatory standards or measures across EU policies could help



# Thank you

Please visit: [www.naturvation.eu](http://www.naturvation.eu)

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