



## **EnRoute**

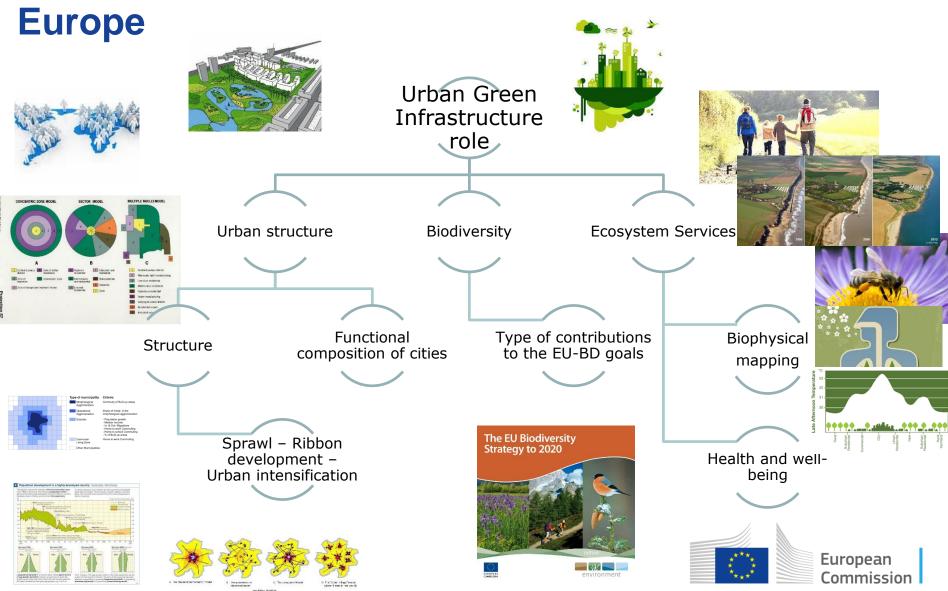
# Operationalization of the Urban MAES framework: The City Labs

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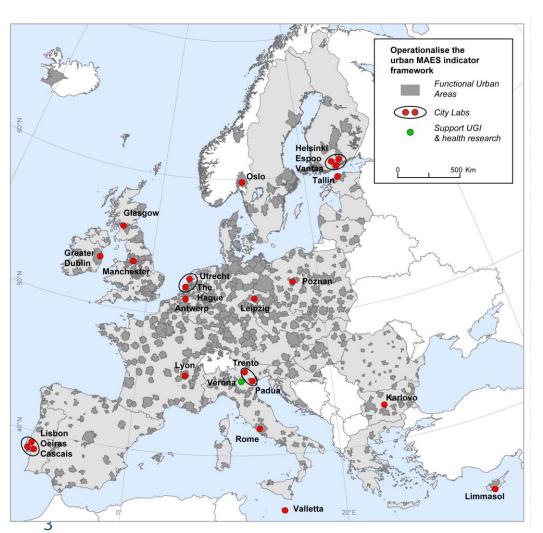
#### **Joint Research Centre**

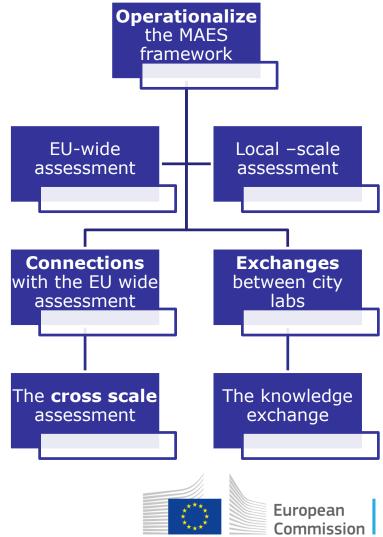
the European Commission's in-house science service

Implementing the URBAN-MAES Framework to evaluate the structural and functional role of UGI in



# The purpose of this presentation is to clarify the **role** of the city labs in EnRoute





**EU-wide assessment** of the structural and functional role of Urban GI focusing on the provision of Urban Ecosystem Services and the role of Protected areas that fall within cities as support of EU strategies and actions.

#### Urban structure and UGI

assessment of the **structure** of the UGI

#### The EU wide assessment:

- Depends on EU policies and strategies
- Focuses on 700 EU FUA
- Focuses on ES relevant at EU scale
- Does not involve/engage practitioners (directly)

Biodiversity and Natura 2000 in cities

> How do UGI and urban protected areas **contribute** to the EU's biodiversity goals

What is the role of **Protected areas** that fall within cities?

Urban Ecosystem Services

> **Relevance** of UGI for the provision of urban ecosystem services

**Compare** EU cities: derive an overview of Synergies and tradeoffs between relevant ES Local assessment of the structural and functional role of Urban GI focusing on specific local needs as support of local planning goals

The city labs

Does the MAES framework work at local scale?

#### The local assessment:

- Depends on local policies/goals/needs
- Focuses on the Local scale (Urban/metropolitan...)
- Focuses on ES relevant at local scale
- Implies an engagement of local practitioners and stakeholders (active part of the city lab)

Cross-scale assessment (CSA)

Create a CSA **with** the city labs

#### The local assessment

- Who are the city labs?
  - The city-labs are working groups composed by a researcher and a representative of the city
- What do we mean by "operationalize"?
  - Translate the concepts of UES into operational frameworks
  - Co-produce effective knowledge as support of local urban planning
- What do we expect from the city labs?
  - Apply one or more indicators (preferably derived from the MAES –framework) relevant to one key local need (e.g. renewal of local green-spaces)



## How we suggest to proceed:

- 1. Specify a **key** local policy question
- •Each city-lab can focus on a **relevant** local needs/issues or policy goals
- E.g. Renewal of public green spaces at a district level

- 1. City lab internal discussion
- 2. City lab workshops and or stakeholders consultation
- 3. JRC-City-lab(s) web meetings



Focus on the Ecosystem
 Services and or Urban
 Ecosystem Characteristics
 appropriate to the local context

- City labs will work on the indicators using local data
- JRC can assist if needed
- 3. Through OPPLA we can discuss methodological issues

- 3. Apply one or more indicators
- Preferably derive the indicators from the MAES list
- The MAES framework can be updated-if you have other suggestions or new indicators

- 1. City labs send data to the JRC
- 2. JRC will create the cross-scale assessment and discuss the results with the city labs



 A number of assessments will involve different problems across the relevant scales

### **Example**

#### 1. Local Need or interest

- renewal of local public green space
  - Using 4 ES indicators we will assess the impact of a renewal action in place in the city of X

# 2. Urban Ecosystem services

- Recreation
- Sense of Place
- Microclimate
- Noise reduction

3. Indicators

- •From the MAES report:
- ESTIMAP-recreation (Nature based recreation Opportunities) (Table 23).
- •Had hoc indicator (not included in the report)
- •Cooling capacity of GI (Table 22)
- •Noise reduction rates (Table 22)

4. crossscale assessment

- Cross scale assessment:
   1 nature based
   recreation activities from the local to the EU scale.
- •2 microclimate regulation: key drivers from the local to the EU scale



3<sup>rd</sup> quarter 2017: Delivery of D1 (list with indicators)

2<sup>nd</sup> semester 2017: Meeting in Tallinn

4<sup>th</sup> quarter 2017: Delivery of D2 (spatial layers description)

1<sup>st</sup> semester 2018: Delivery of D3 (spatial data)

1<sup>st</sup> semester 2018: Meeting in Bulgaria (likely in May)

2<sup>nd</sup> semester 2018 Meeting in Brussels



## The knowledge exchange

OPPLA micro-web site will be used to track the city labs progresses and to exchange ideas and methodologies

