



European Union European Regional Development Fund

# Urbano Naturale / Nature within the City

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## Public Green Spaces in Reggio Emilia

#### Parks (192)

Historical parks Urban parks Neighbourhood parks Natural spaces (greenways, urban forests)

#### **Green Public Services**

Sport Schools Hospitals Cemeteries

#### Urban Green Mitigation Spaces

Boulevards Mitigation islands Streetscape







### The Adaptation Strategy: Analysis





predisposition of the territorial, economic, social, infrastructural and physical fabric to suffer damage/losses as a result of events linked to climate change

accumulation areas

### The Adaptation Strategy: Risks

#### Impacts and issues of greatest urgency

Changes in climate parameters determine climate risks and corresponding impacts on the territory. Based on the data and studies conducted, in the coming decades Reggio Emilia will have to face phenomena such as :



Heat waves in urban areas



summer drought and water shortage

problems for the health of citizens (with critical summer ozone pollution and increased demand for electricity).

increased drought and difficulty in supplying water for irrigation purposes and domestic consumption.





extreme rainfall events with hydrogeological risk

increased risk of urban flooding.





### The Adaptation Strategy: Objectives





- Strongly increase the presence of vegetation in the city to create a dense network of urban and extra-urban greenery.
- 2. Guarantee the multifunctionality of the infrastructure network for adaptation and mitigation.
- Increase the territorial fragmentation of the built fabric and with it the potential for development with prevention of impacts and increase in urban and peri-urban resilience.
- 4. Converge territorial usability and development potential with the prevention of impacts and the increase of urban and peri-urban resilience.
- 5. Protect citizens by ensuring their safety and health.
- 6. Guarantee an improvement in the management of water resources and efficiency of its infrastructure network

### Nature within the City: 3 shades of Urban Forestation

Strategies and projects of the Municipality of Reggio Emilia for adaptation to climate change and urban forestation. One integrated approach to







FORESTATION PROJECTS WITH CITIZENS AND PRIVATE COMPANIES











### Nature within the City: Tools



#### experimental microforests



country hedges



#### multiphyte meadow



#### rows of trees



Cityadp3 - Reggio Emilia

LEAA - Luca Emanueli, Gianni Lobosco, Barbara Stefani

### Nature within the City: Tools









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# Thank you!

Questions welcome



**Project smedia**