

ANDREAS KIPAR

Landscape Architect
CEO & Co-Founder LAND

CITTÀ SPUGNA E NATURE BASED SOLUTIONS. INNOVAZIONE E SOSTENIBILITÀ URBANA.





ORDINE DEGLI INGEGNERI DELLA PROVINCIA DI MILANO
THE MILAN ORDER OF ENGINEERS



Seminario

CITTÀ SPUGNA E NATURE BASED SOLUTIONS. INNOVAZIONE E SOSTENIBILITÀ URBANA.



27 maggio 2025

Partner media



Con il patrocinio di



LAND

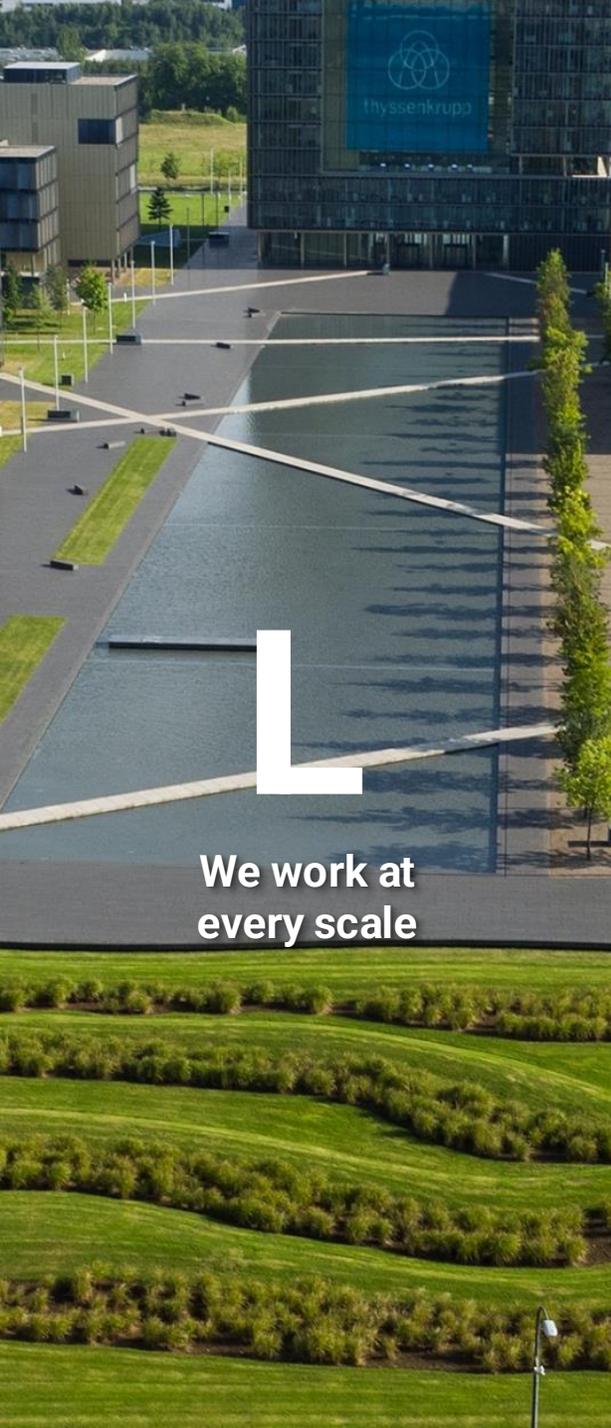
LANDSCAPE ARCHITECTURE NATURE DEVELOPMENT

Città Spugna e Nature-Based Solutions

Andreas Kipar, CEO & Co-Founder LAND

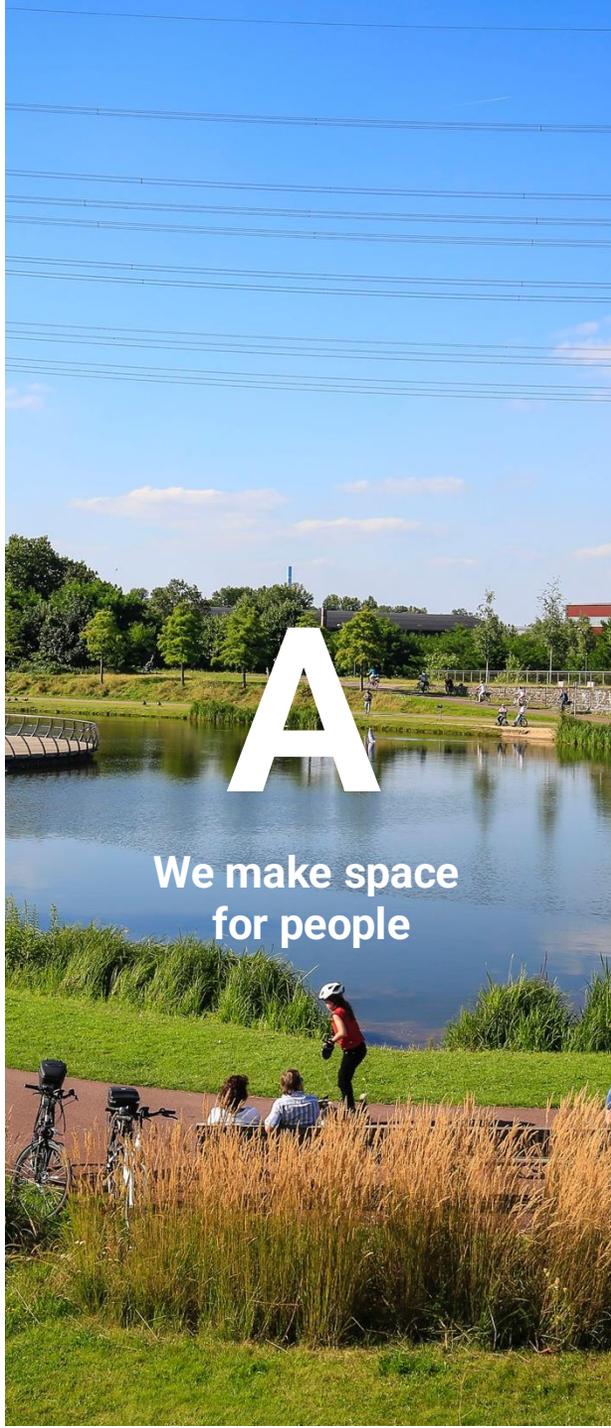
Milano, 27 maggio 2025





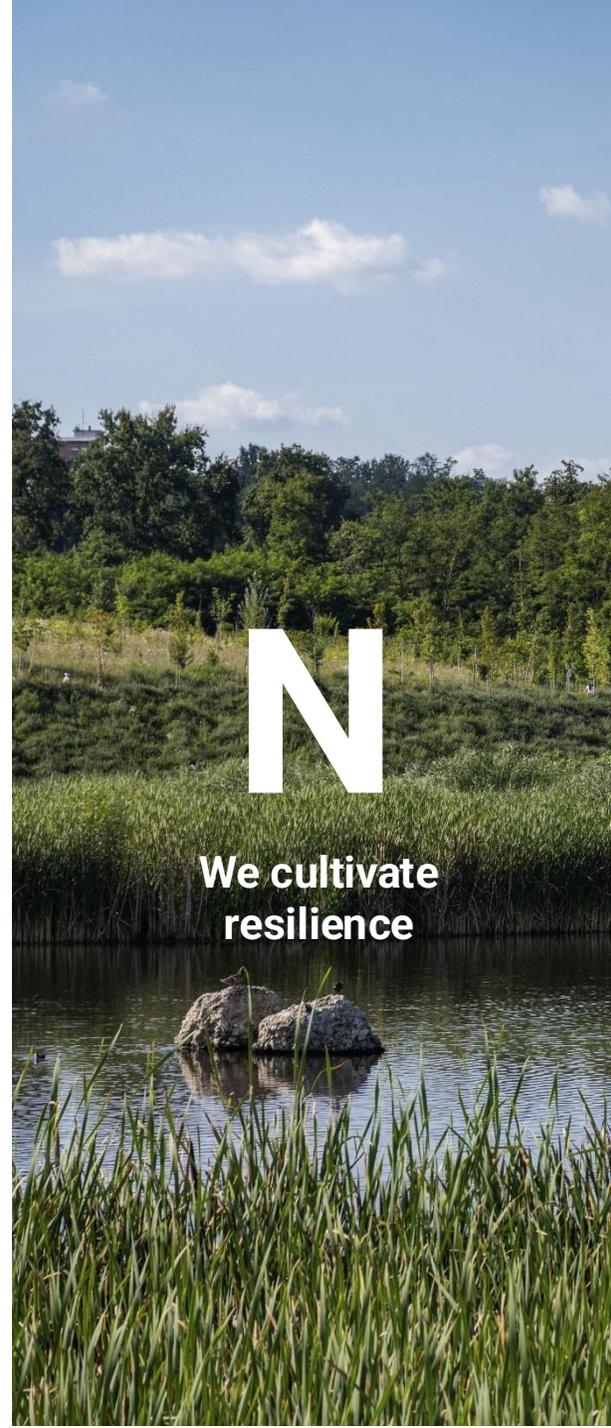
L

We work at every scale



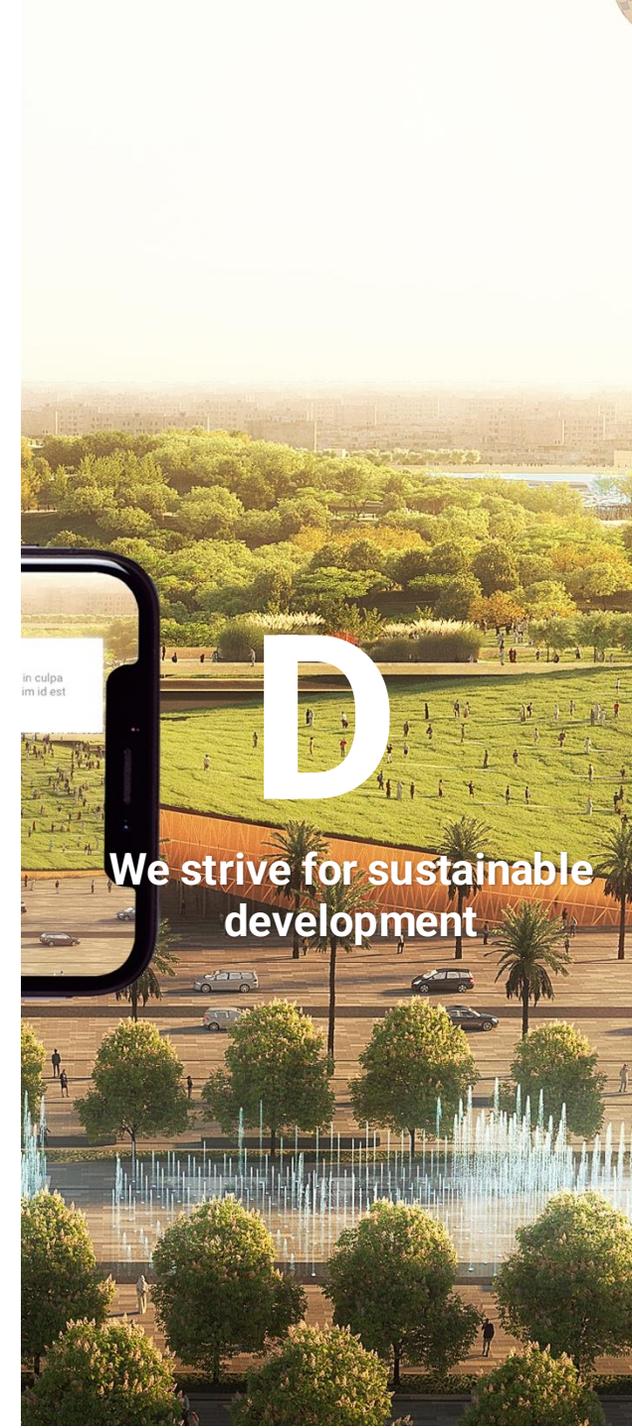
A

We make space for people



N

We cultivate resilience



D

We strive for sustainable development

LANDscape is life.

Creating liveable places all around us.

We live LANDscape in an all-encompassing way. As pioneers of sustainable transformation, we design productive living environments. Our holistic consulting approach is based on the dialectic between nature and culture, enabling us to develop landscape as a capital for future generations. Combining our expertise and lively lightness, we resolutely defy previous paradigms and boldly break new ground. We cultivate a spirit of innovation and diversity as the source of our strength. Throughout our dynamic LAND community, we promote collective learning as a central element of our growth. We share a deep enthusiasm for liveable LANDscapes, which drives us to find new solutions to global challenges.

Re

connecting

People with

Nature

Our projects
always start
with a story

Exploring

Curiosity drives us to uncover new possibilities, open new perspectives, and explore novel approaches. We embrace the unforeseen, turning it into opportunities for our clients and partners.

Collaborating

People are the core of our business. We share their passion for sustainable landscapes, empower them to thrive in our projects, and build bridges to new markets.

Cultivating

The LAND community stands for ethical and sustainable values. Living, working and learning together gives us the power to grow and to act with urgency for a better future and a measurable impact.

Landscape

We work at every scale

Architecture

We create space for people

Nature

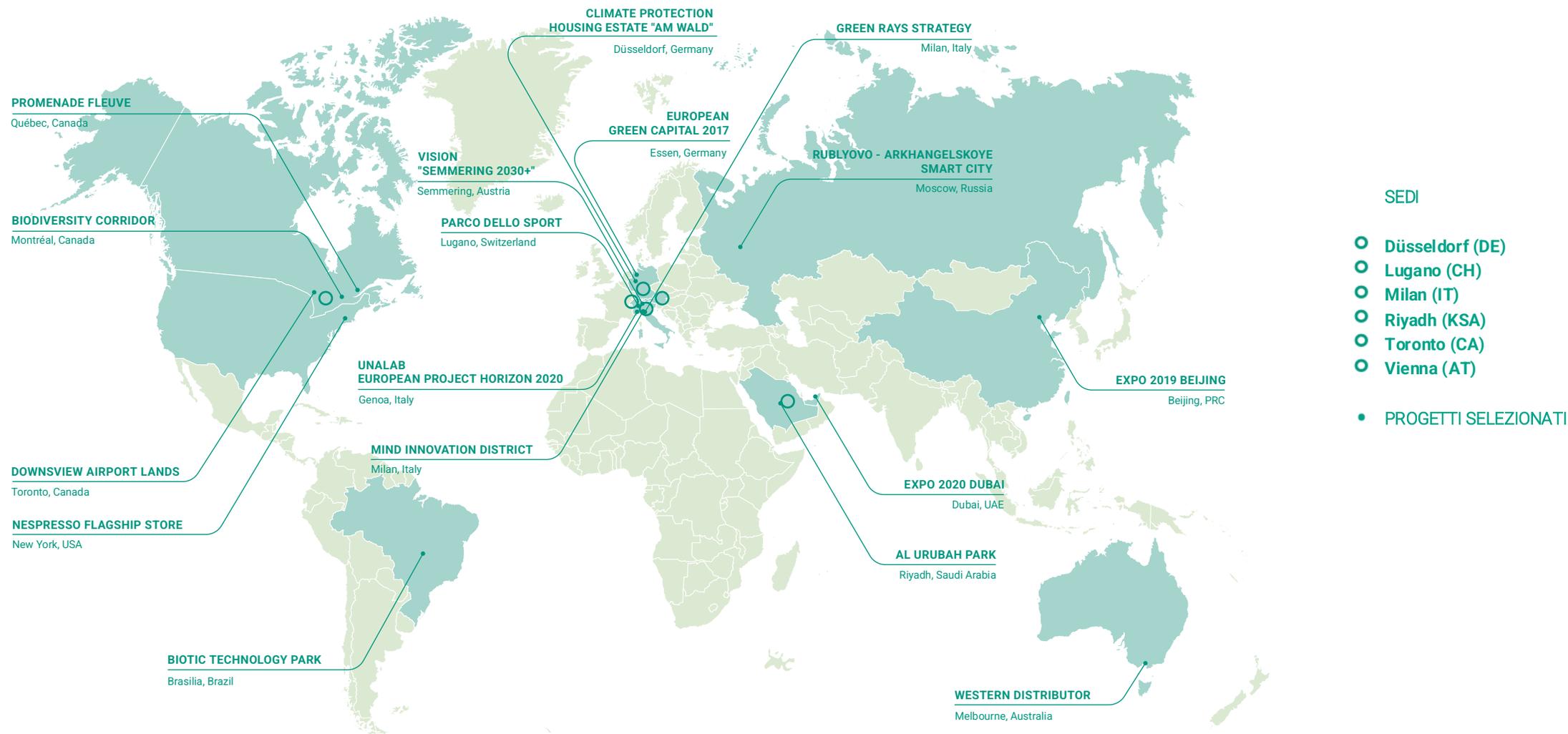
We cultivate resilience

Development

We strive for sustainable development



Creiamo luoghi vivibili tutt'intorno a noi



Climate Change, Napoli, 25/09/2022



A New Normal



Milan, July 2021



Como lake, August 2021



Marche, September 2022

New challenges require new approaches



Economic Dependency on Nature

Verso una nuova economia della Natura

\$44 trillion of economic value generation – **over half the world's total GDP – is moderately or highly dependent on nature and its services** and, as a result, exposed to risks from nature loss.

Nonetheless, **only 5% of globally influential companies have a strategy focused on nature**, while over 80% focus on climate resilience.

New Nature Economy series

Nature Risk Rising: Why the Crisis Engulfing Nature Matters for Business and the Economy

In collaboration with PwC

January 2020



https://www3.weforum.org/docs/WEF_New_Nature_Economy_Report_2020.pdf

Nature-Positive Cities

"Le città del futuro hanno l'opportunità di mettere la natura al centro e di assumersi la responsabilità del proprio impatto collettivo sulla salute del pianeta."





UNITED NATIONS



UN SDG
 Operationalizing LEAVING NO ONE BEHIND
 GOOD PRACTICE NOTE FOR UN COUNTRY TEAMS

Financial sector leadership on natural capital

The Natural Capital Declaration

A commitment by financial institutions to mainstream natural capital in financial products and in accounting, disclosure and reporting frameworks

www.naturalcapitaldeclaration.org
 info@naturalcapitaldeclaration.org
 @NCDDeclaration

Natural Capital Declaration
 Secretariat: UNEP Finance Initiative
 GCP

In collaboration with Oliver Wyman

WORLD ECONOMIC FORUM

Nature Positive: Guidelines for the Transition in Cities

INSIGHT REPORT
 MAY 2024

EU MISSIONS
 CLIMATE-NEUTRAL & SMART CITIES

The 2030 Biodiversity Strategy

The European Green Deal

New European Bauhaus
 beautiful | sustainable | together

SAUDI GREEN INITIATIVE

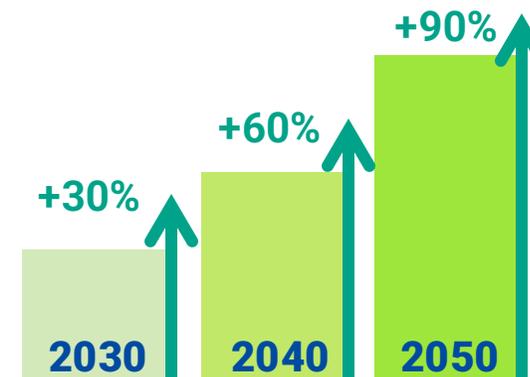
Europa 2020–2050: obiettivi climatici e ambientali

CLIMATE TARGETS



Net greenhouse gas emissions reduction

NATURAL TARGETS



Restoring land and sea ecosystems

Landscape

/ WHY?

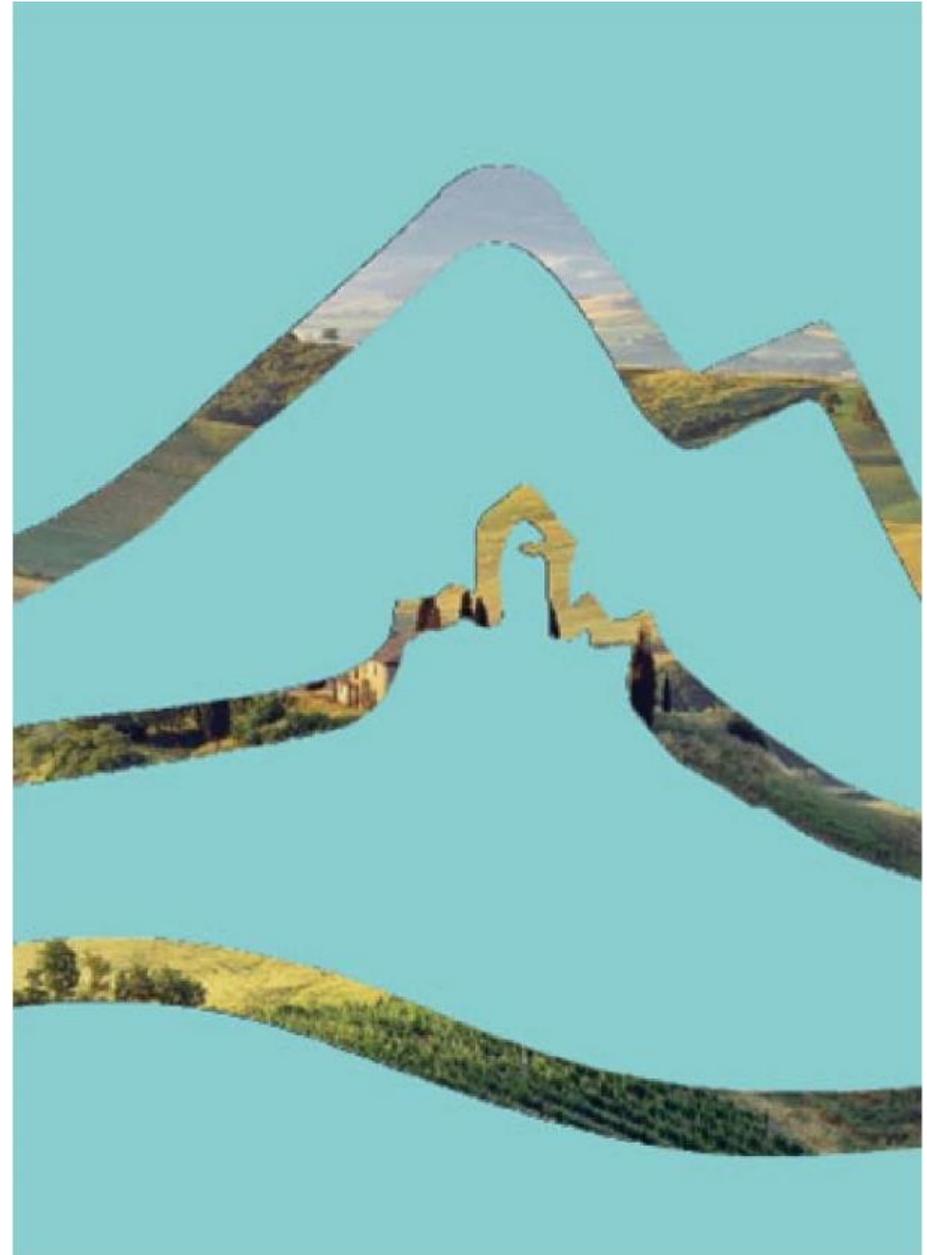
Landscape: Why?

Landscape is people oriented

The **ELC** (European Landscape Convention) provides a **people-centred** and **forward-looking** way to reconcile management of the environment with the social and economic challenges of the future, and aims to help **people reconnect with place**.

“As a reflection of European identity and diversity, the landscape is our living natural and cultural heritage, be it ordinary or outstanding, urban or rural, on land or in water.”

the ELC



Il paesaggio è la voce della società

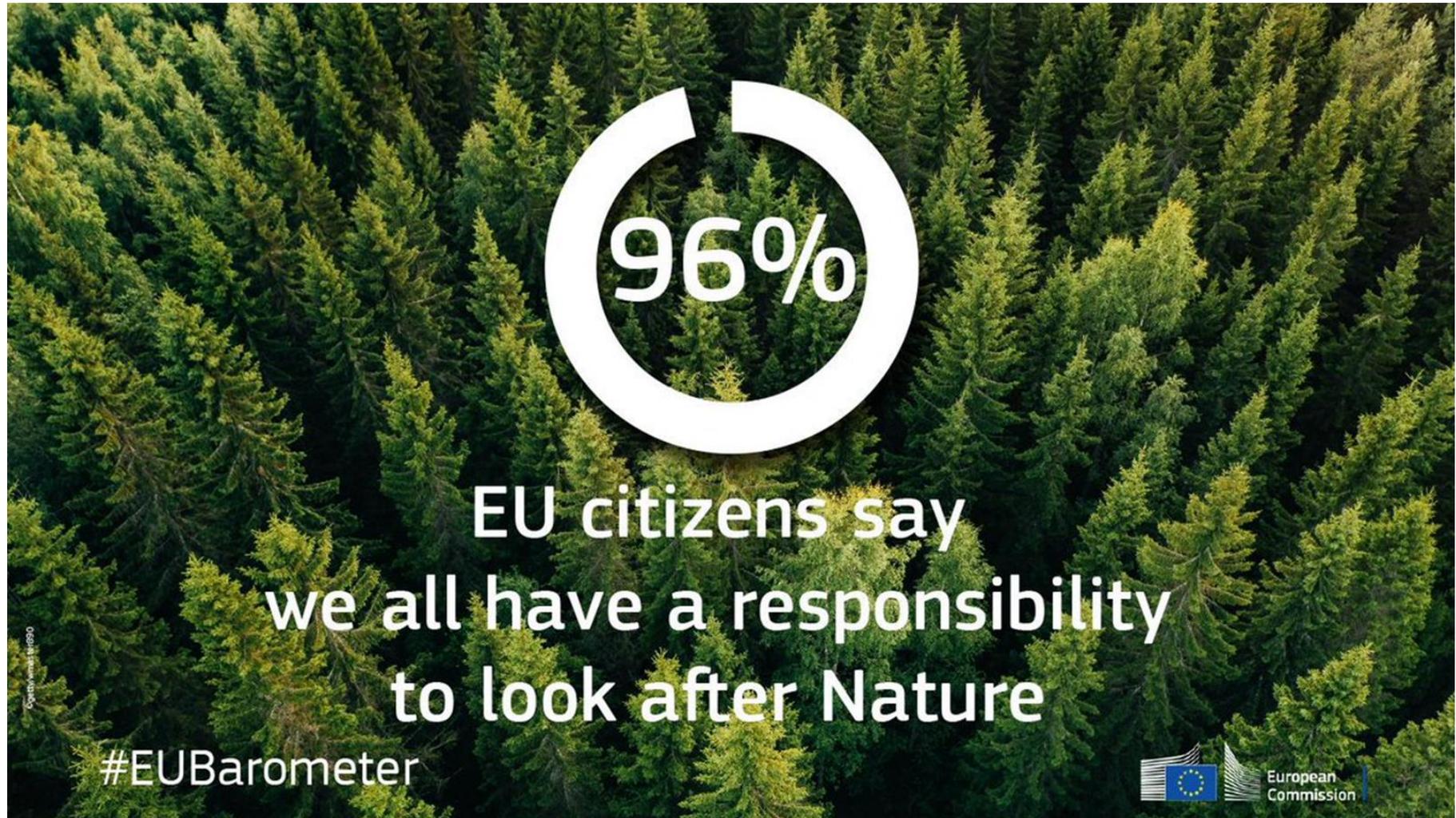
Articolo 1 | Definizioni

Per “paesaggio” si intende una determinata parte di territorio, così come percepita dalle popolazioni, il cui carattere deriva dall’azione e dall’interazione di fattori naturali e/o umani.

Articolo 2 | Ambito di applicazione (...) la presente Convenzione si applica all’intero territorio delle Parti e riguarda le aree naturali, rurali, urbane e periurbane. **Include il suolo, le acque interne e le aree marine. Essa concerne i paesaggi che possono essere considerati eccezionali così come i paesaggi della vita quotidiana o degradati.**



Eurobarometer survey



Landscape

/ HOW?

La strategia europea per la transizione ecologica



2013



2015

The Joint Research Centre: EU Science Hub

[Home](#) > [JRC news and updates](#) > [Natural capital drives EU regional growth](#)

GENERAL PUBLICATIONS | 19 March 2025 | Joint Research Centre | 2 min read

Natural capital drives EU regional growth

Investing in nature pays off: natural capital plays a significant role in driving regional economic growth in the EU, both as a direct effect and via spillovers from one region to adjacent ones.

“A 10 % increase in the average annual value of natural capital [...] would result in a €71.4 billion increase (0.7% of €10,195 billion) in gross value added in the EU regions”

L'European Green Deal

«Those who know how to act first and most quickly will also be able to to seize the opportunities offered by the ecological transition.»

President Ursula von der Leyen, Orientamenti politici, July 16th 2019

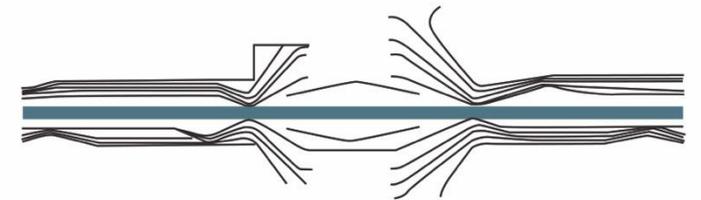
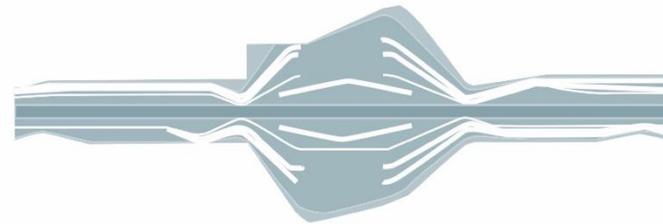
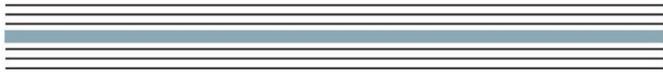


Perchè lavoriamo von la Natura?

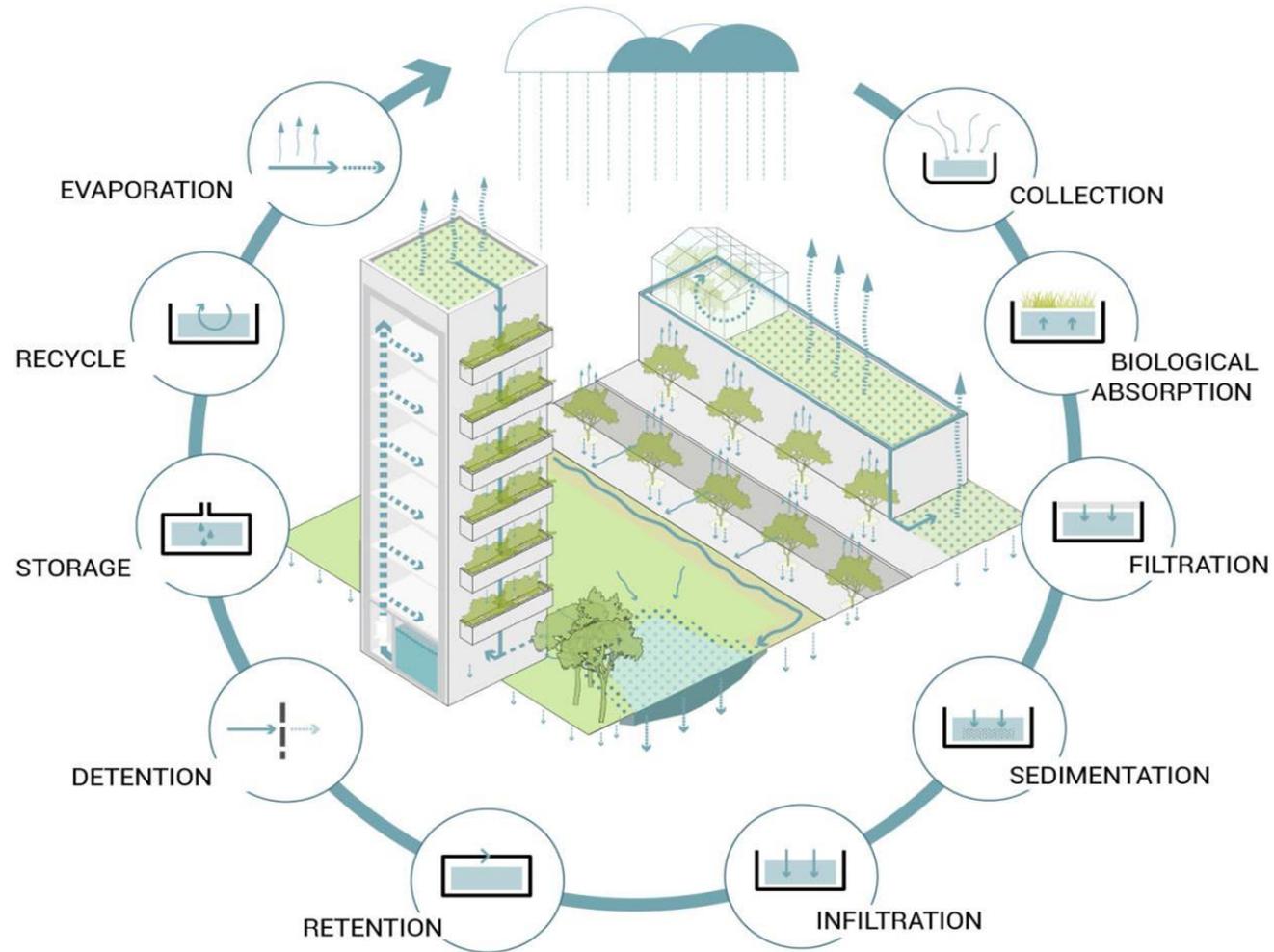


Now
it's Time for
Water!

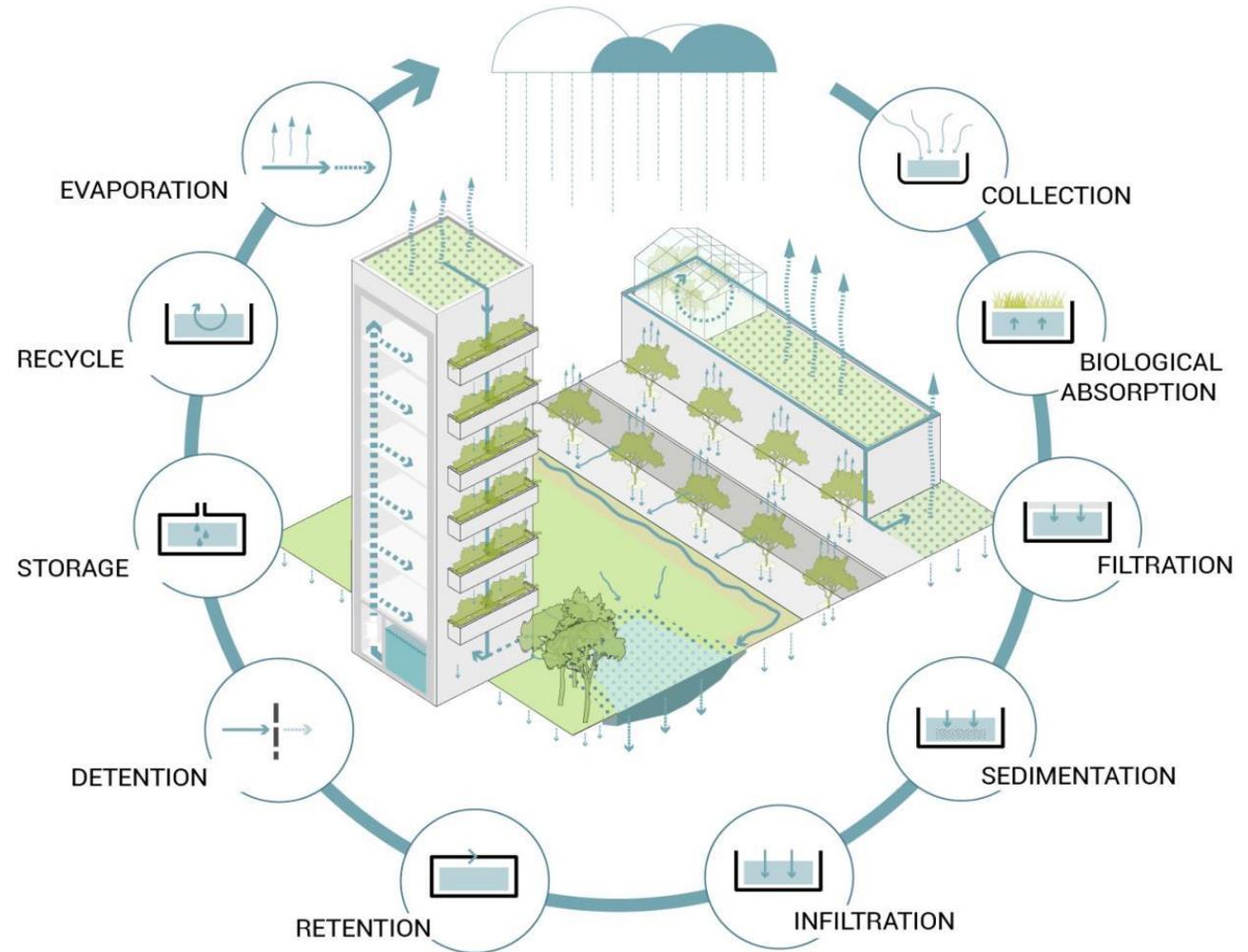
L'acqua come attivatore di Spazio Pubblico



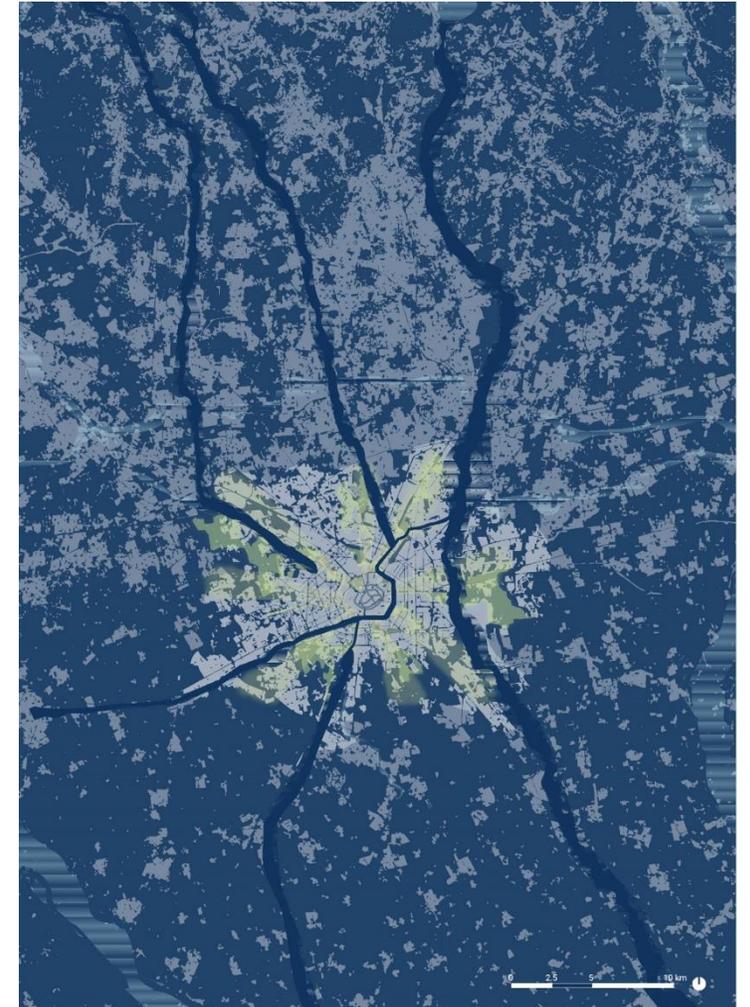
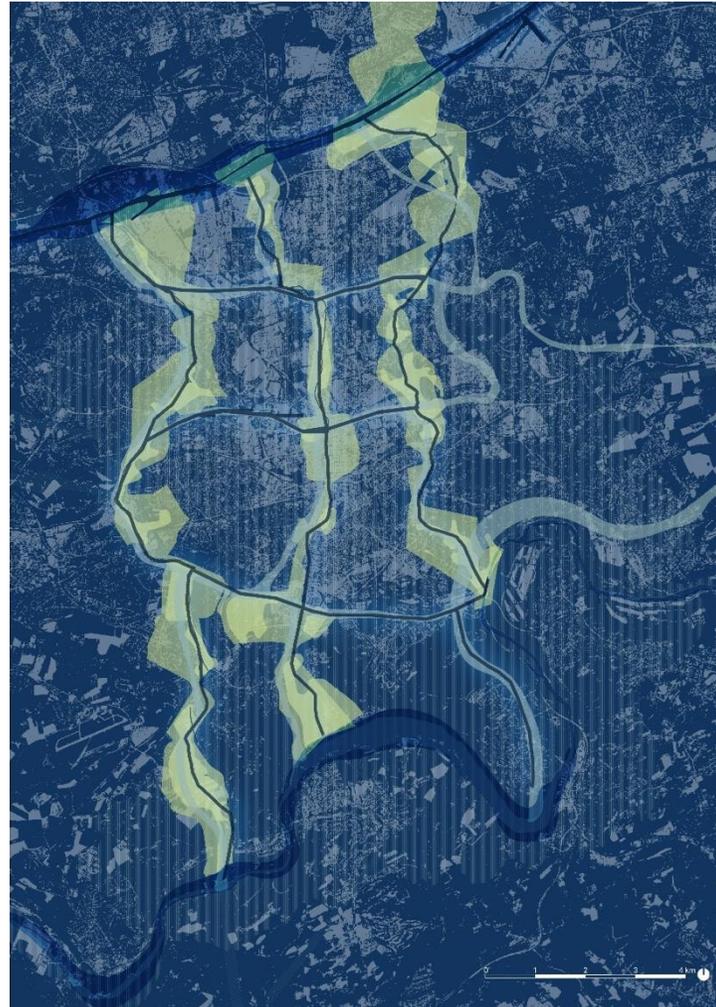
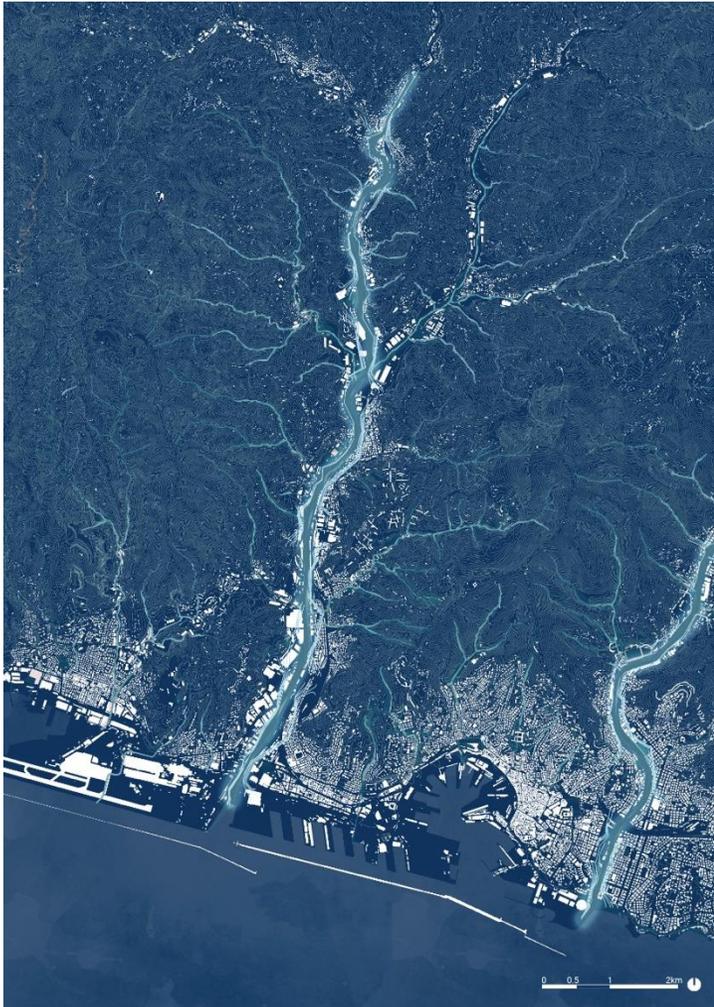
...alla verticalità del costruito



Water sensitive design

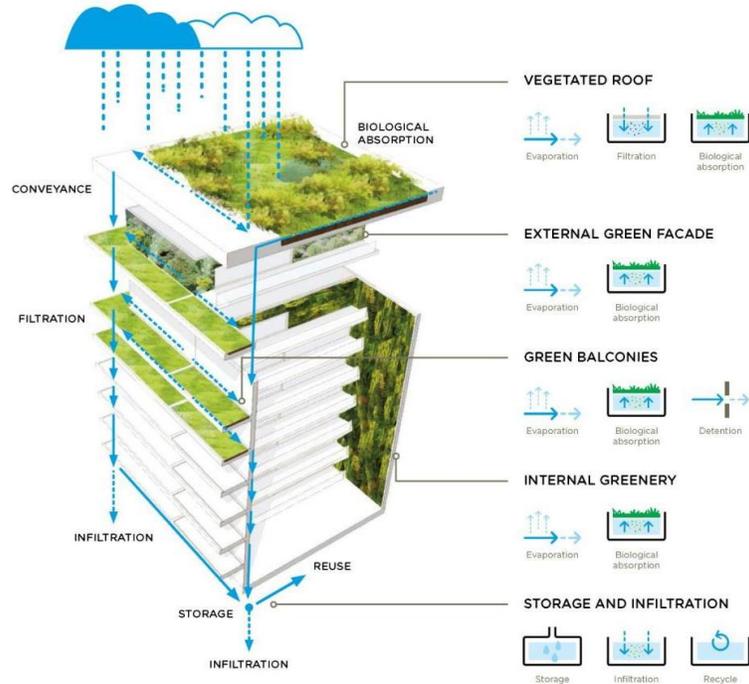


Dalla profondità del suolo...

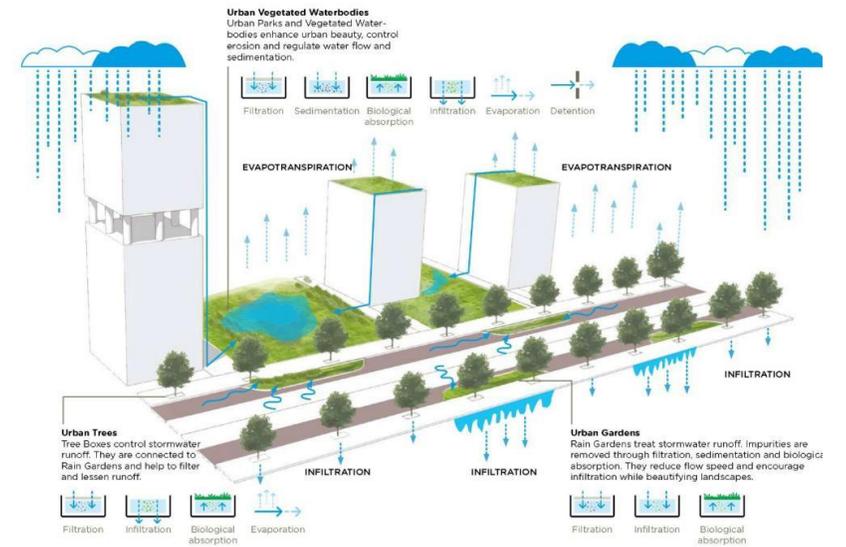


...alla verticalità del costruito

BUILDING SCALE



CITY SCALE



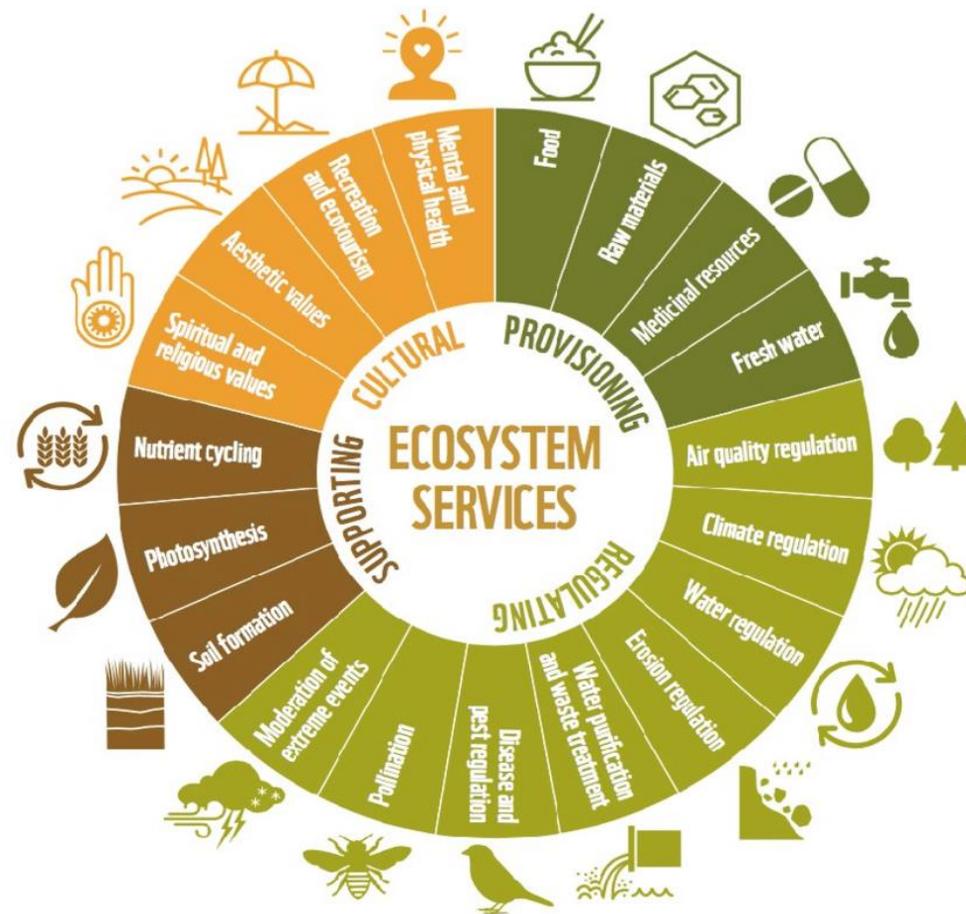
WATER BASED CITIES

tre manifesti per tre città

La natura come motore del cambiamento. Dalla compensazione delle emissioni alla rigenerazione ambientale (Nature-Positive)



Benefici offerti dalle Nature-Based Solutions

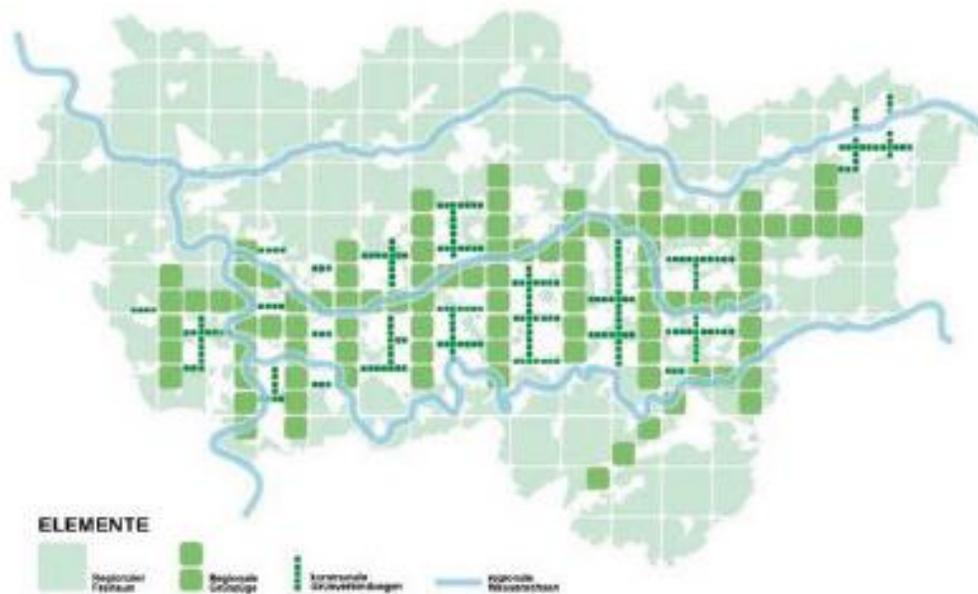


Raggiungere gli obiettivi di decarbonizzazione garantendo al contempo i molteplici benefici offerti dalla natura

Source: WWF, Living planet report 2016 (adopted by: Millennium Ecosystem Assessment, 2005).

The new European landscape laboratories

Metropole Ruhr
5,1 milioni di abitanti
IGA 2027

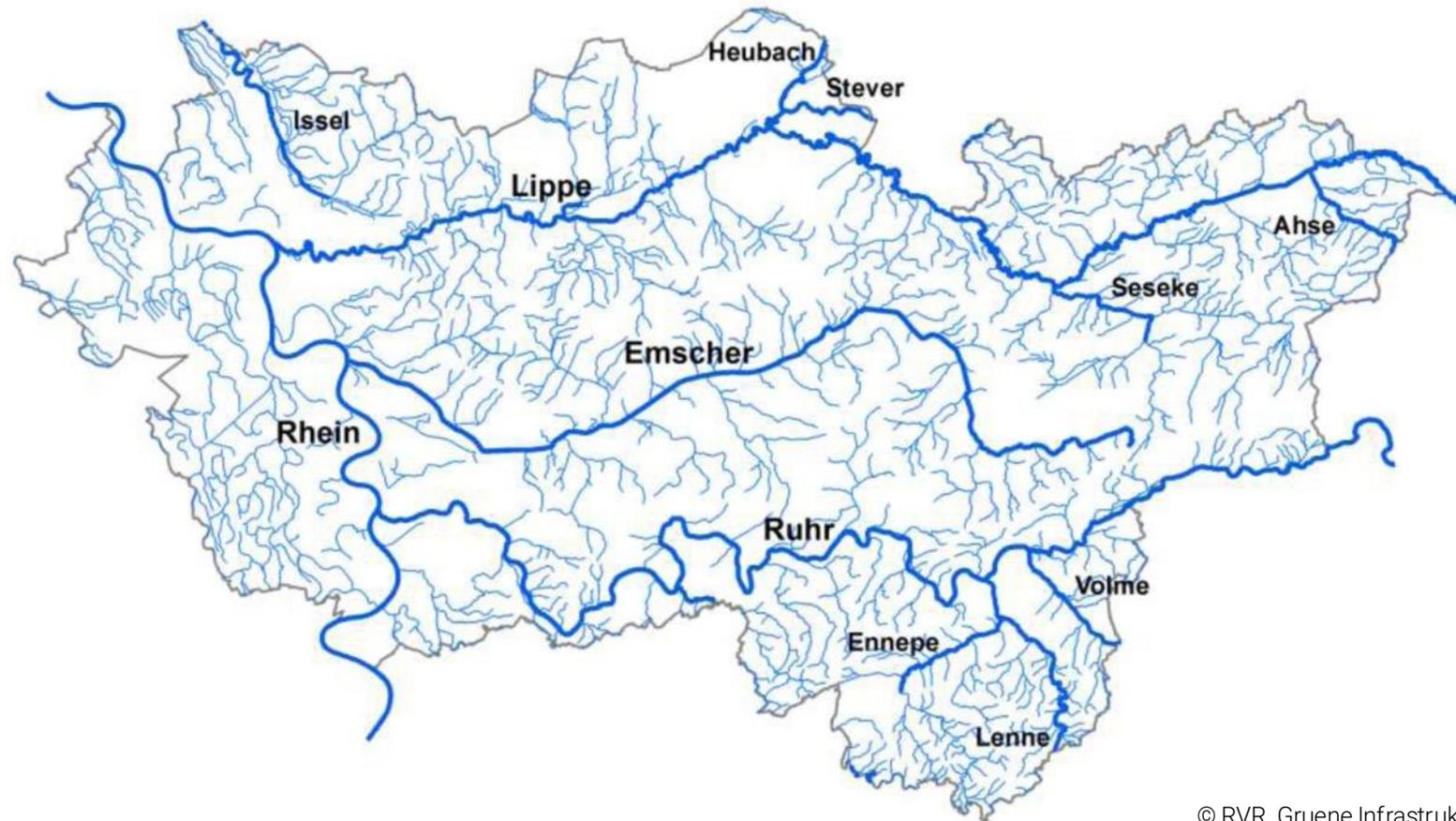


Milano Metropolitana
5 milioni di abitanti
Winter Olympics 2026



Le infrastrutture Verdi-Blu della Ruhr

Dati pluviometrici



© RVR, Gruene Infrastruktur Ruhr - Grafiken, 2016

1750–1990 Un paesaggio maltrattato

EMSCHER

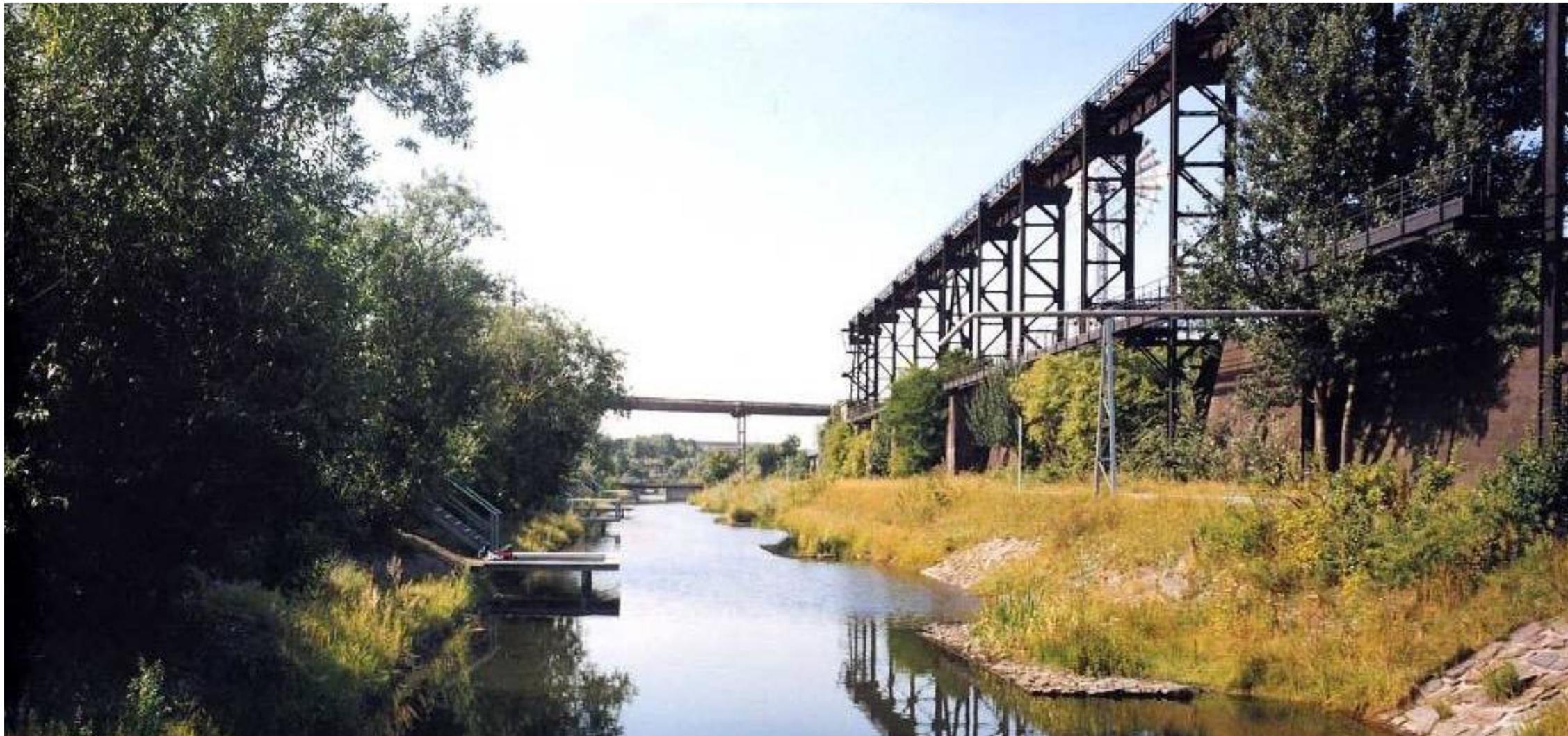


Dal 1990 il cambio di prospettiva

EMSCHER PARK



La bonifica del fiume Emscher



Emscherland - ieri

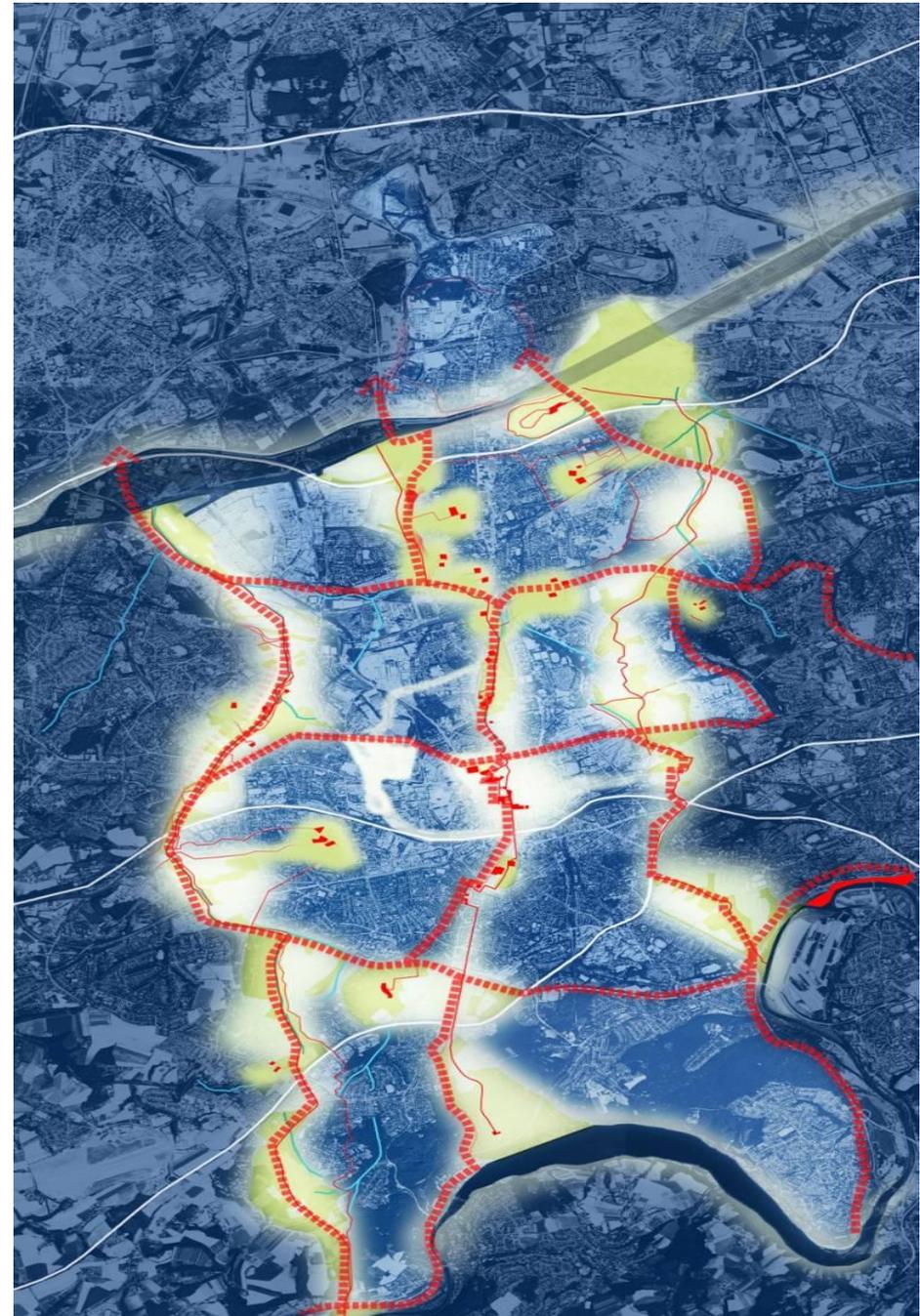
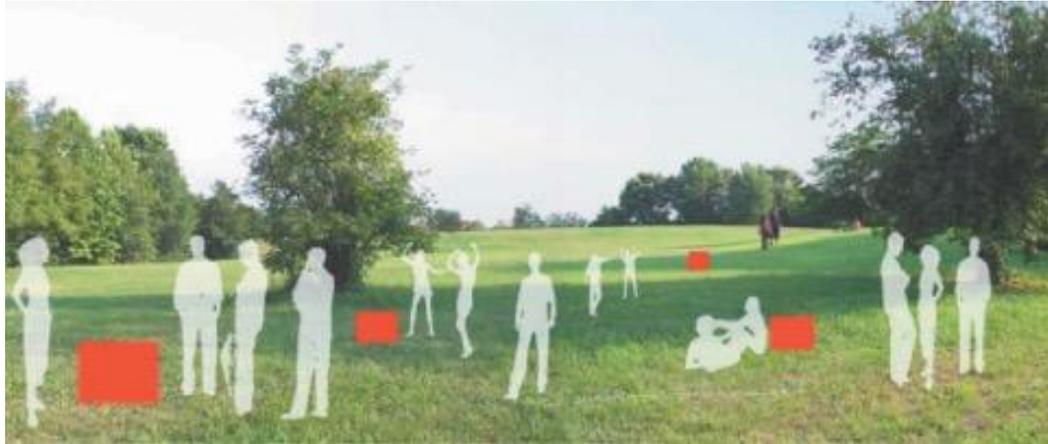


Emscherland - domani





”Neue Wege zum Wasser”



Verso un Paesaggio urbano resiliente: Nuovi Parchi Urbani



Krupp Park, Essen



Ph. Nicola Colella



Ph. Nicola Colella

L'acqua come attivatore di Spazio Pubblico





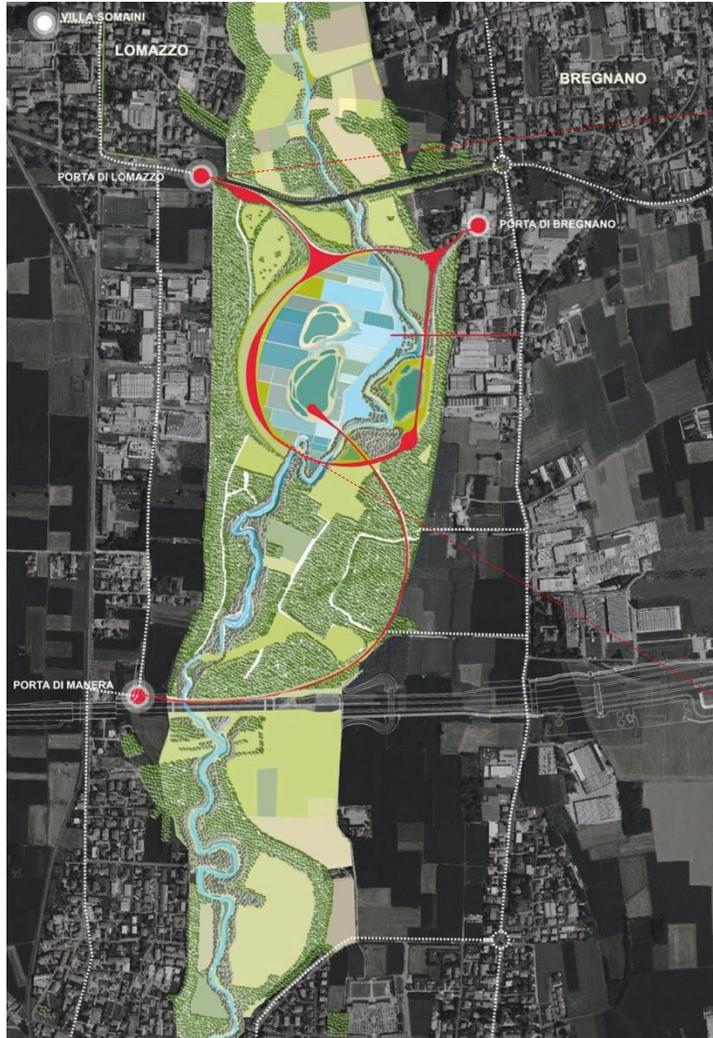


Ph. Nicola Colella



Ph. Nicola Colella

Back to Nature





2017



2020















Flooding Event November 2019



Flooding Event August 2021





Ph. Nicola Colella

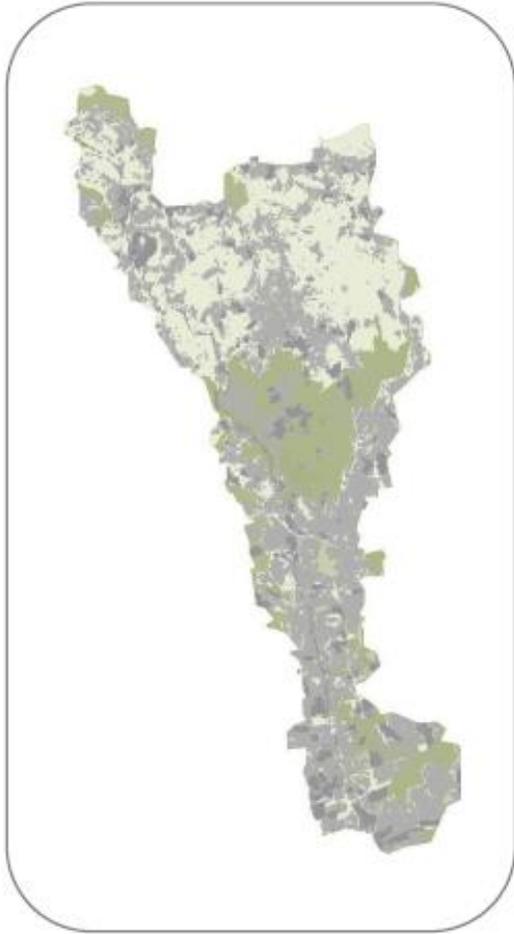


Ph. Nicola Colella

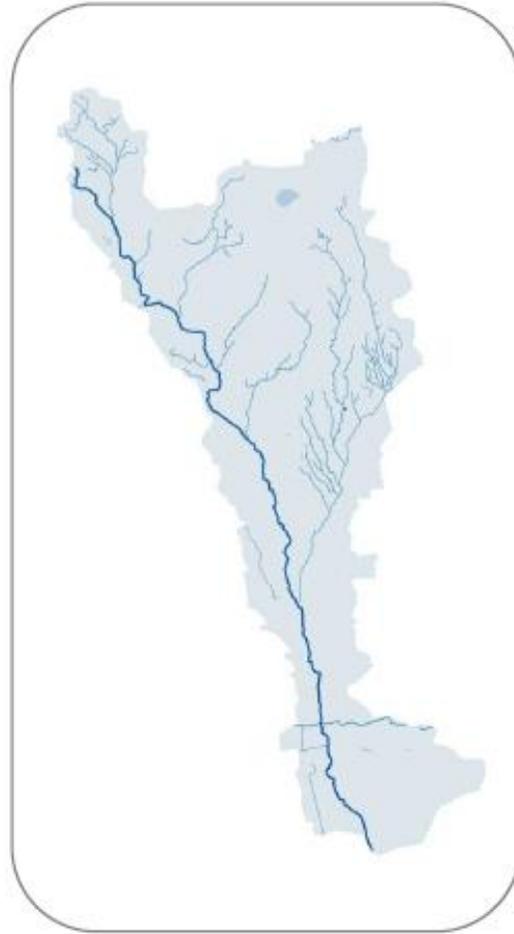
SEVESO RIVER PARK

A landscape size green-blue infrastructure

Landscape approach



Body



Soul



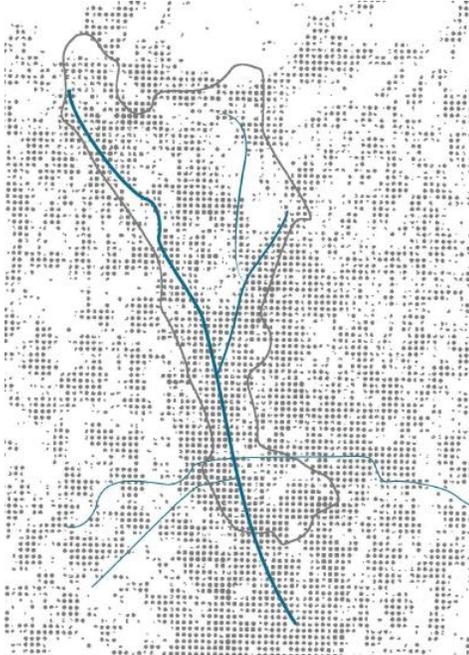
Dress

A forgotten River, The river spring

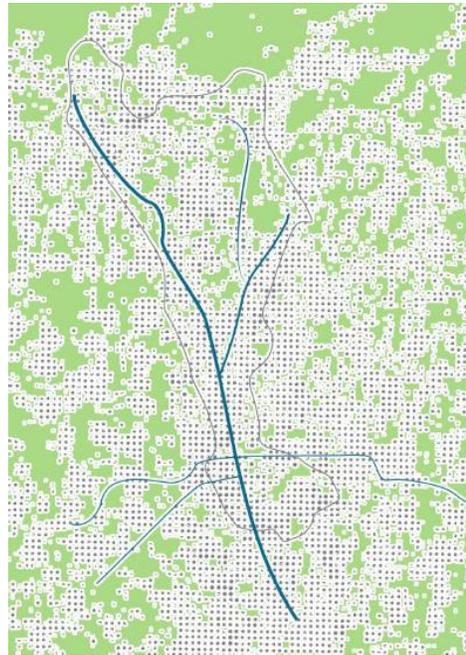


Le sorgenti a Cavallasca (CO)

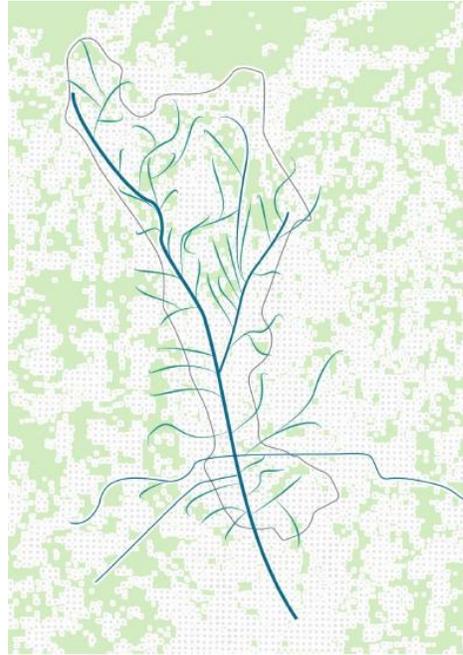
A forgotten River, The landscape strategy



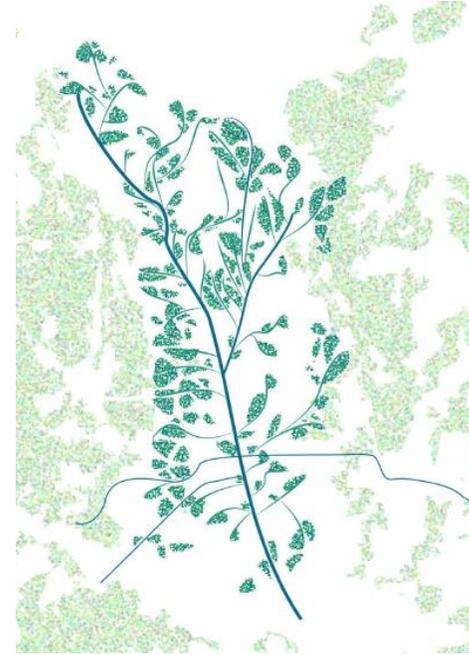
A river forced into the urban grid



Restart from the open spaces

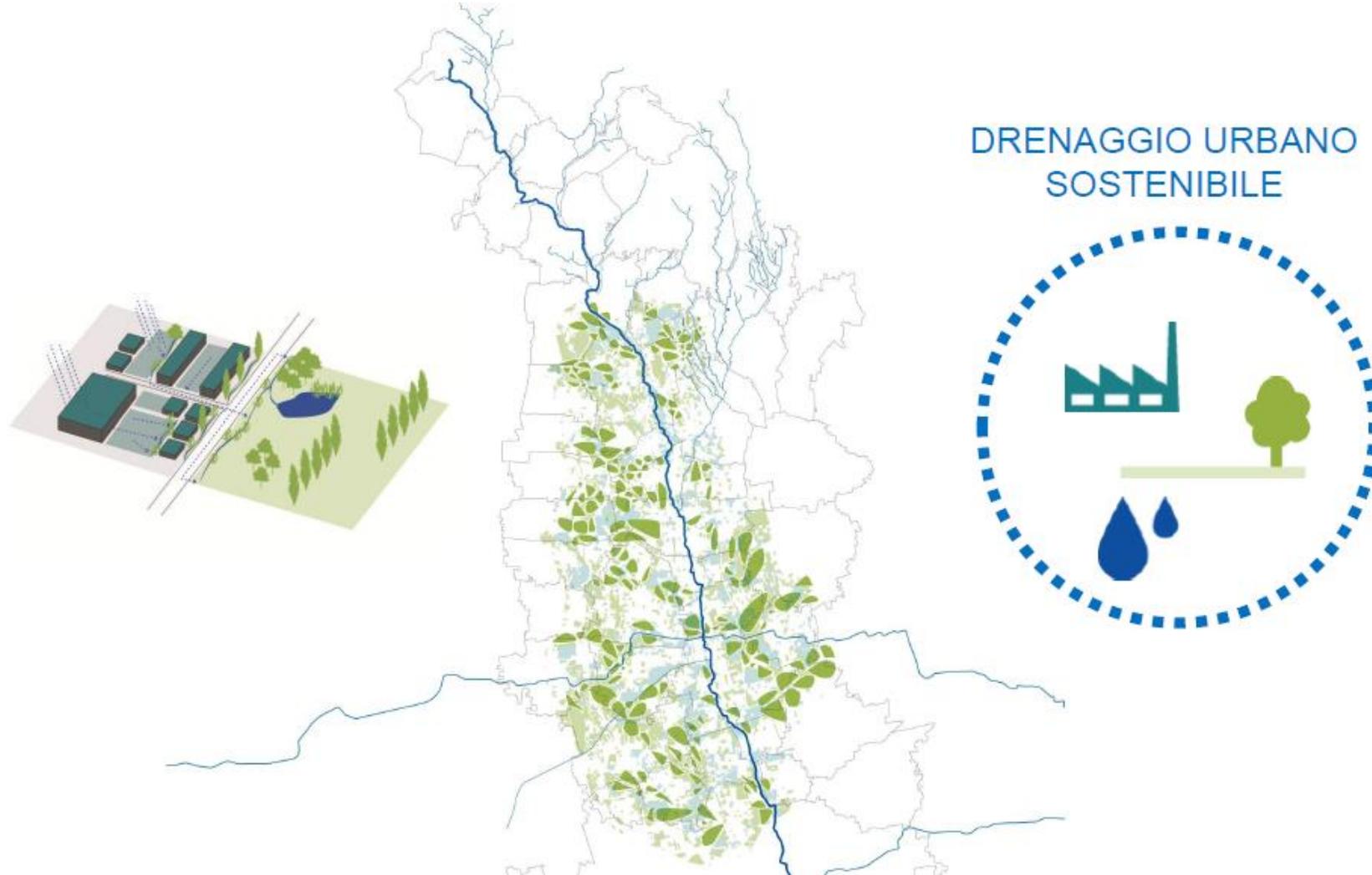


Activate new connections with the river

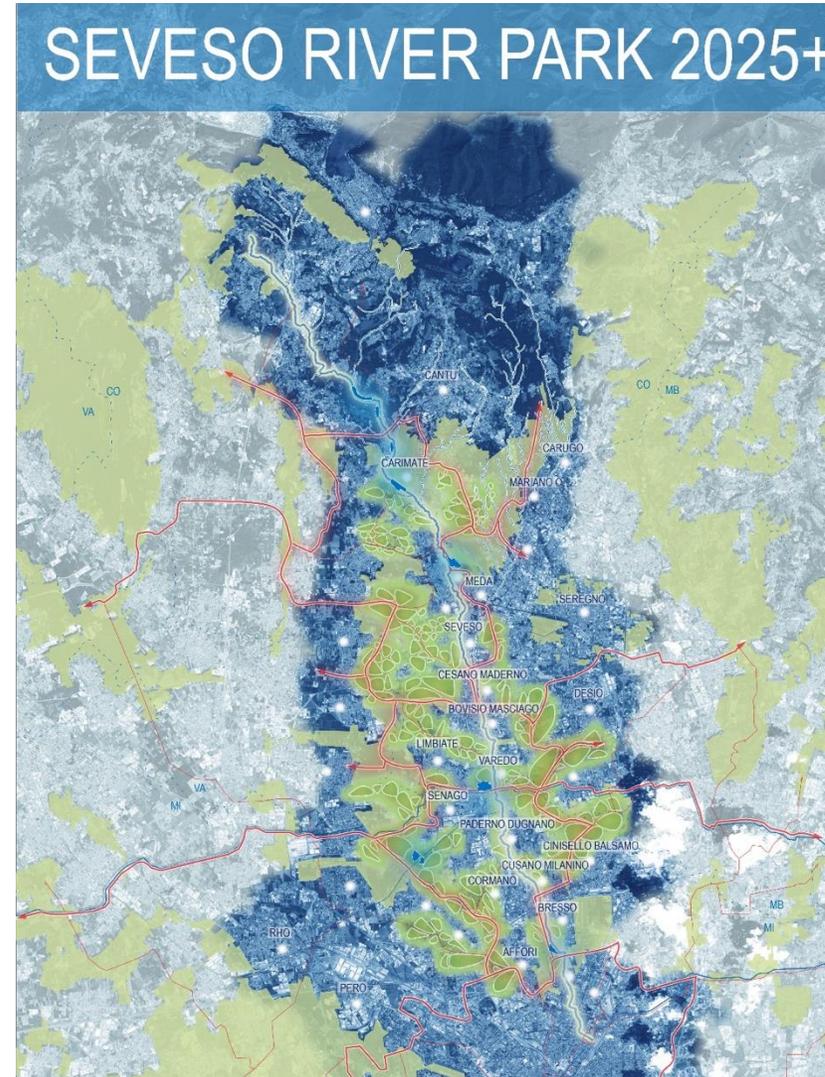
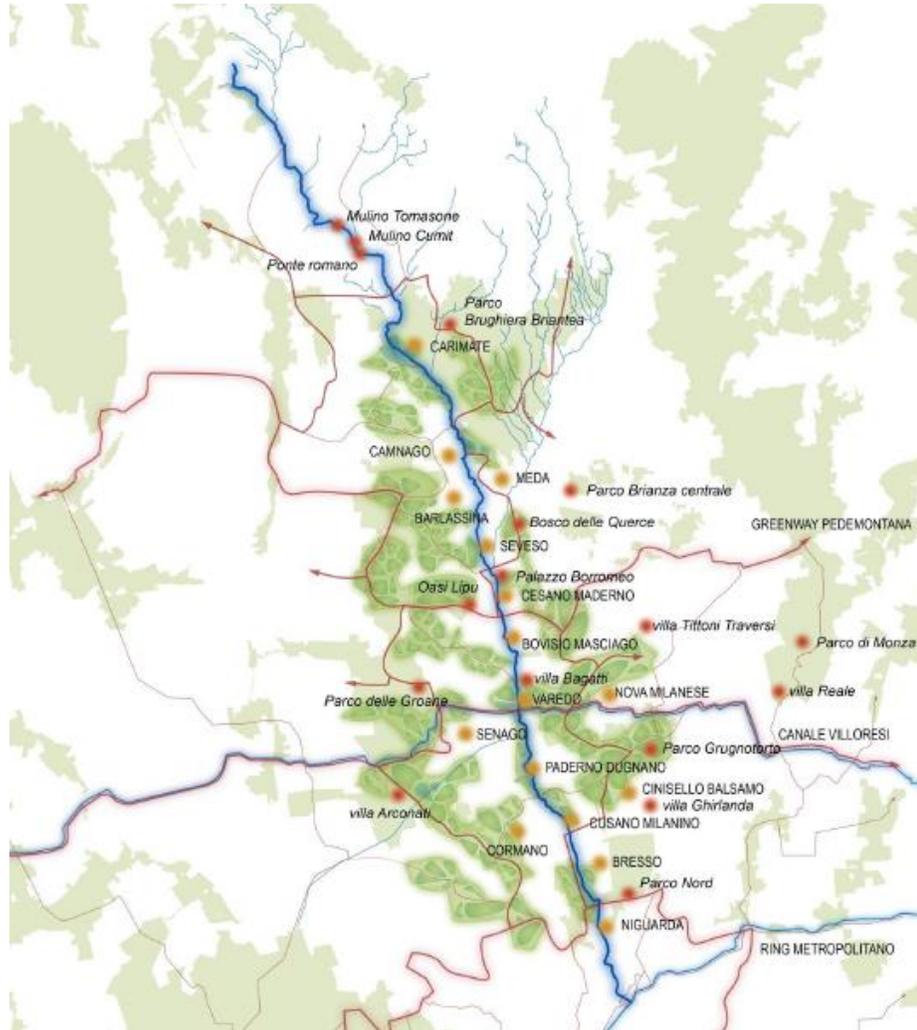


The river spreads through the river

Seveso River Park 2025+, The rain parks



Seveso River Park 2025+



The Water Park

/ A NEW FORMAT

Landscape Approach

WATER



NATURE



PEOPLE



A new Green-Blue Infrastructure

The Water Park



A new Green-Blue Infrastructure

The Water Park



A dynamic dialogue between nature and culture

The Water Park



Parco dell'Acqua, Arcore



The joy of landscape all around







Parco dell'Amicizia, Costermano sul Garda











Città metropolitana Spugna



COMUNE DI
Cinisello Balsamo



Città di
Paderno Dugnano



Città di Bollate
Città metropolitana di Milano



Città di
Cologno Monzese



Comune di **Cormano**



Città di
Garbagnate Milanese

 **Parco Nord Milano**



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SESTO SAN GIOVANNI
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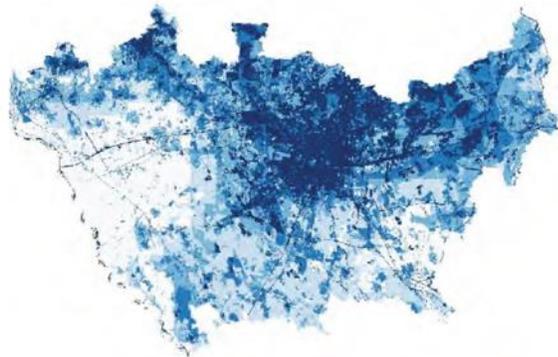
Ing. Stefania Zaccardo

Vulnerabilità del paesaggio

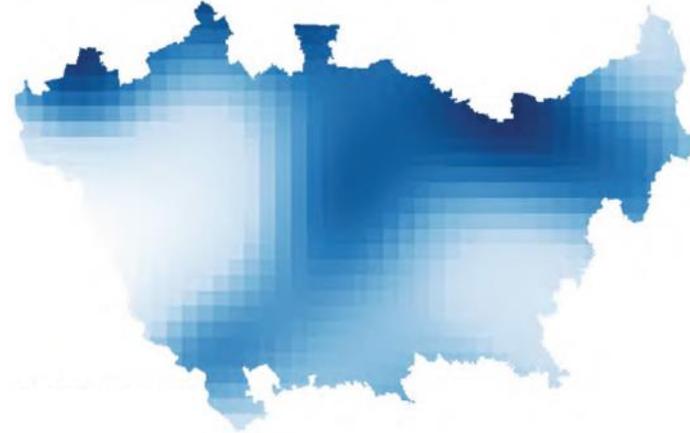
Dati pluviometrici

- Temperatura media annuale: 13 °C ($\pm 0,6$)
- Giorni con piogge intense: 10 (± 2)
- Giorni di gelo: 51 (± 13)
- Giorni estivi: 34 (± 12)
- Precipitazioni cumulate invernali: 187 mm (± 61)
- Precipitazioni cumulate estive: 168 mm (± 47)
- 95° percentile delle precipitazioni: 28 mm
- Giorni secchi consecutivi: 33 (± 6)
- Zonizzazione climatica nel periodo di riferimento (1981–2010)

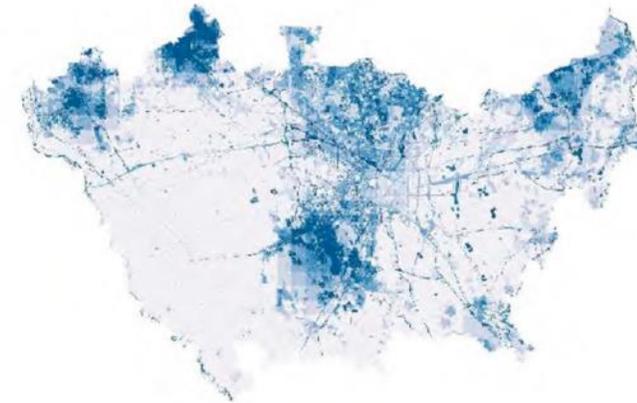
Distribuzione spaziale delle aree di generazione del deflusso (Run-off)



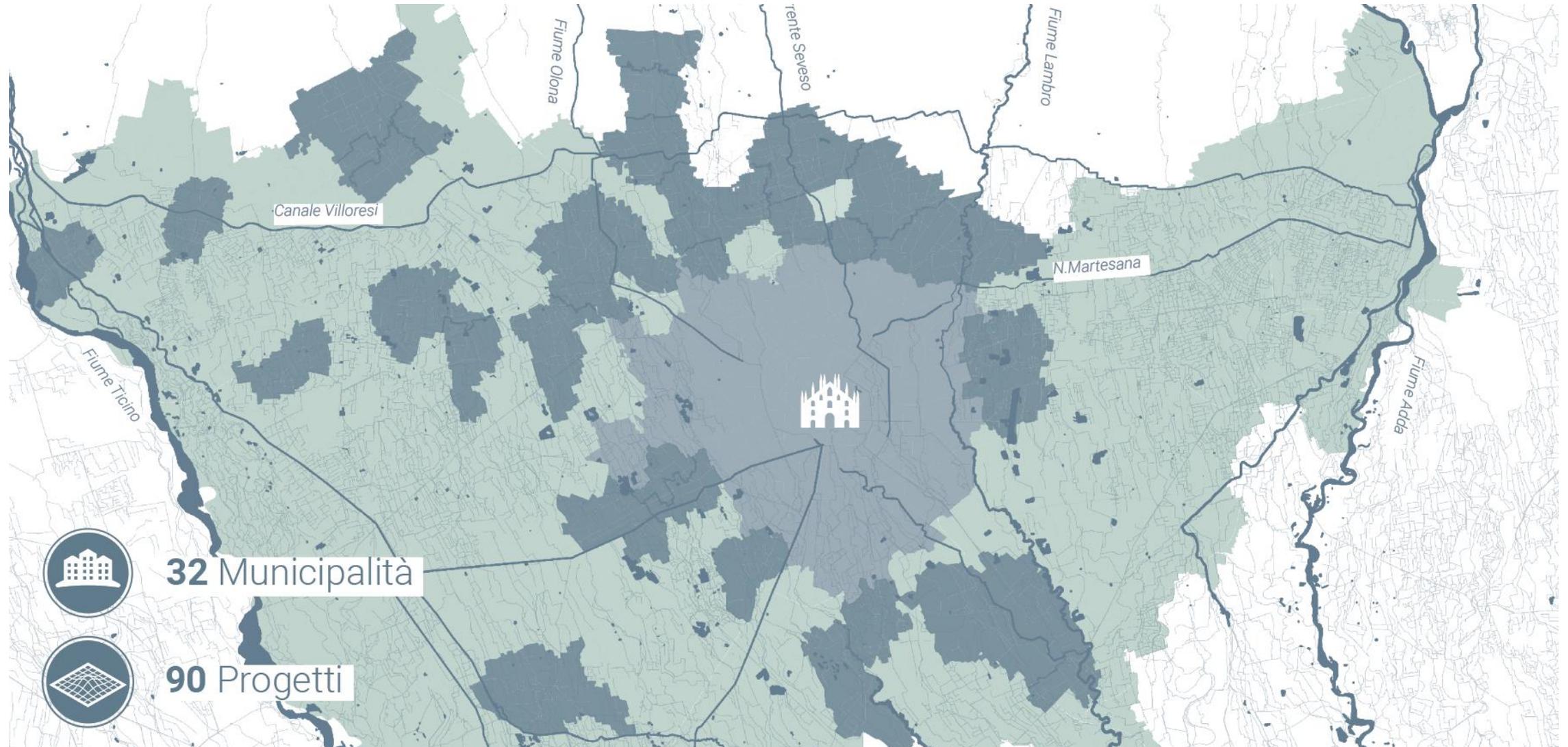
Utilizzando i dati di precipitazione forniti dalle stazioni meteorologiche di ARPA Lombardia relativi a un evento critico, con un valore medio di precipitazione pari a 65,4 mm di pioggia.



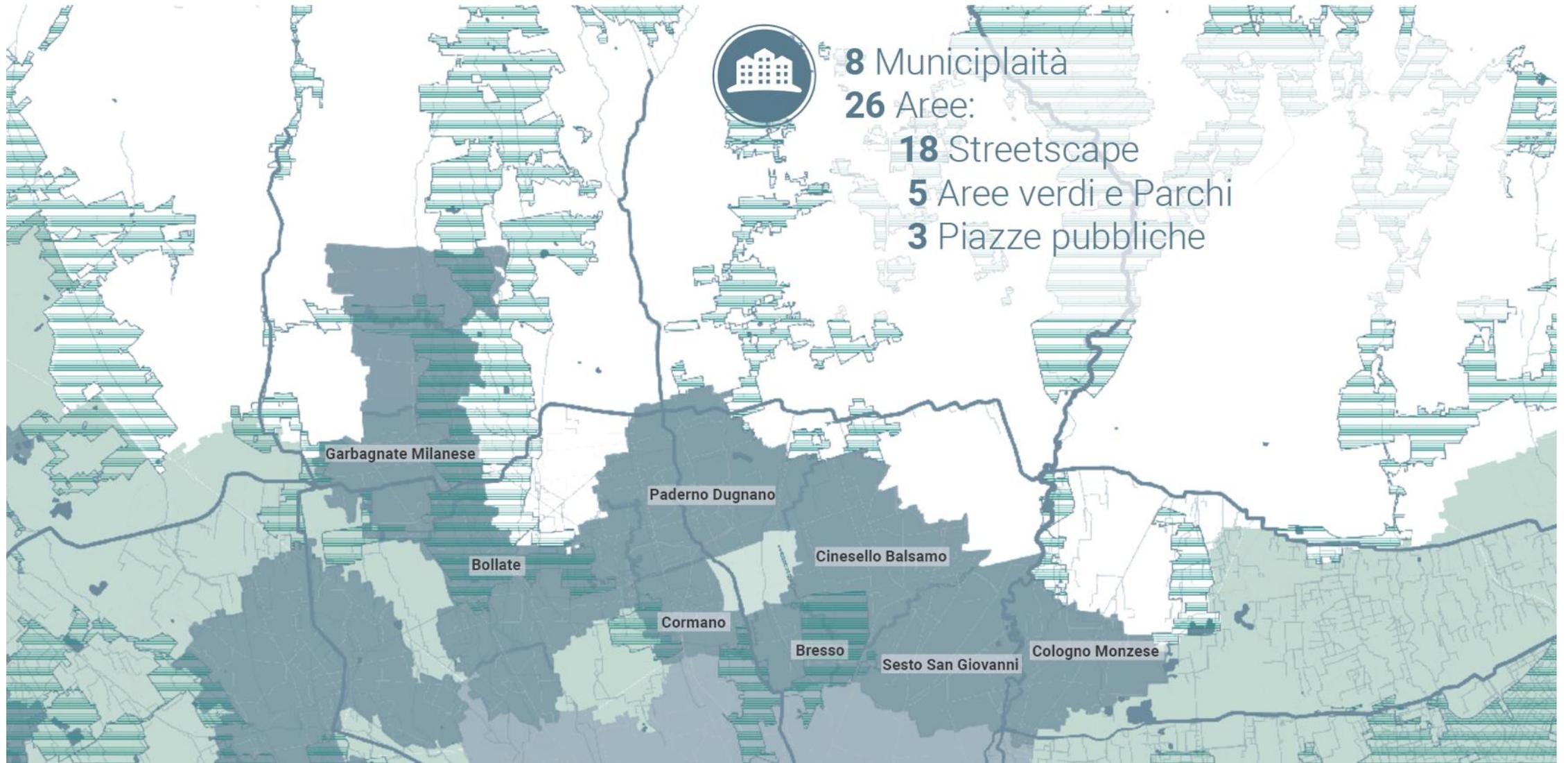
Distribuzione spaziale delle aree di generazione del deflusso in corrispondenza della precipitazione media annuale.



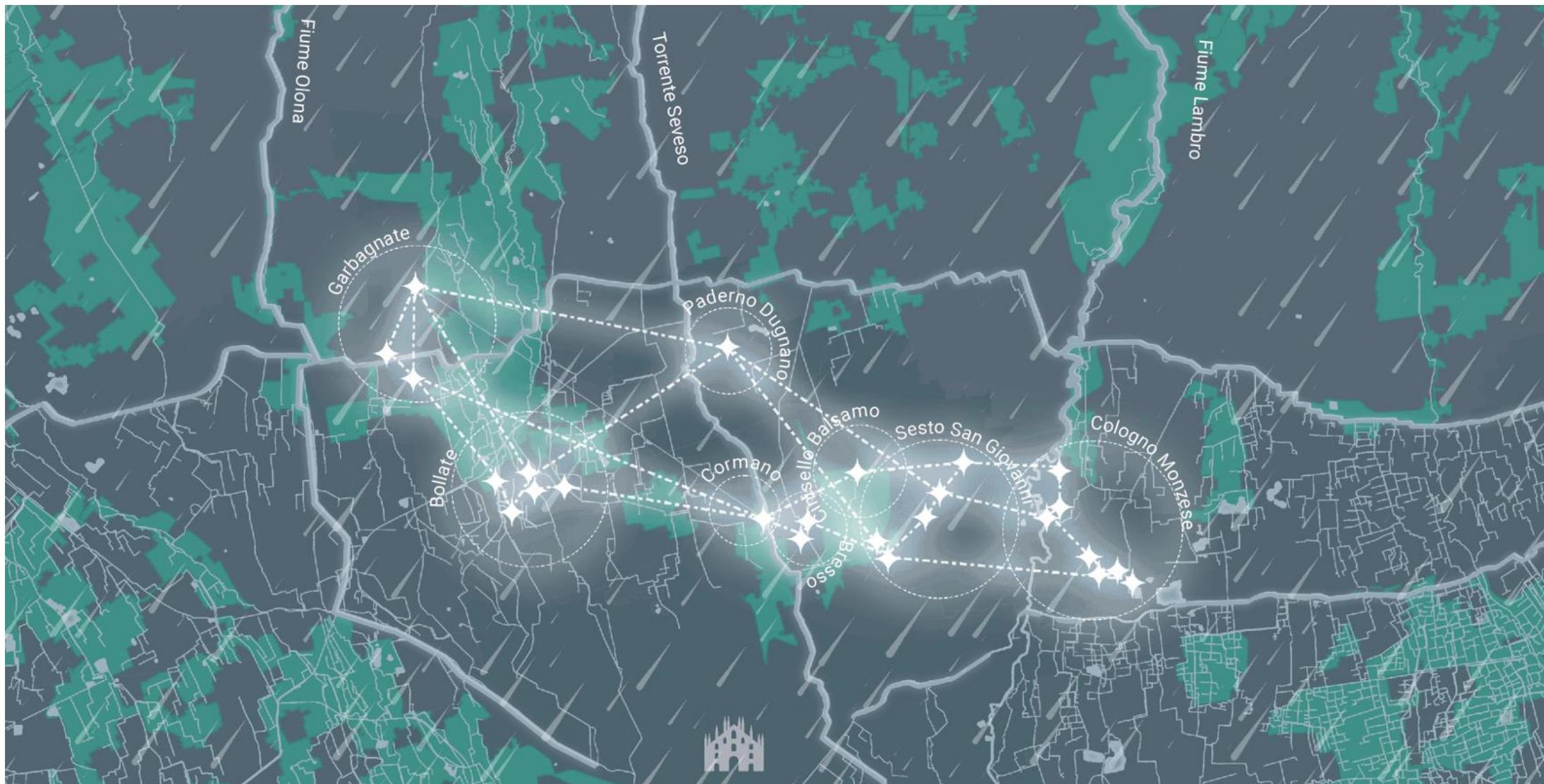
Piano Urbano Integrato per la Metropolitana Spugna



Interventi multi-obiettivo per gli spazi pubblici



Una nuova infrastruttura verde e blu



No Land without Water!



LAND

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THE MILAN ORDER OF ENGINEERS



Seminario

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27 maggio 2025

Partner media



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