

GRUPPO CAP

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A middle-aged man with short, graying hair is wearing a bright red button-down shirt. He is looking directly at the camera with a slight smile and is gesturing with both hands raised, palms facing forward. His fingers are slightly spread. The background is a solid dark blue. The lighting is soft, coming from the front. The text "solves the problem:" is overlaid in white at the bottom center of the image.

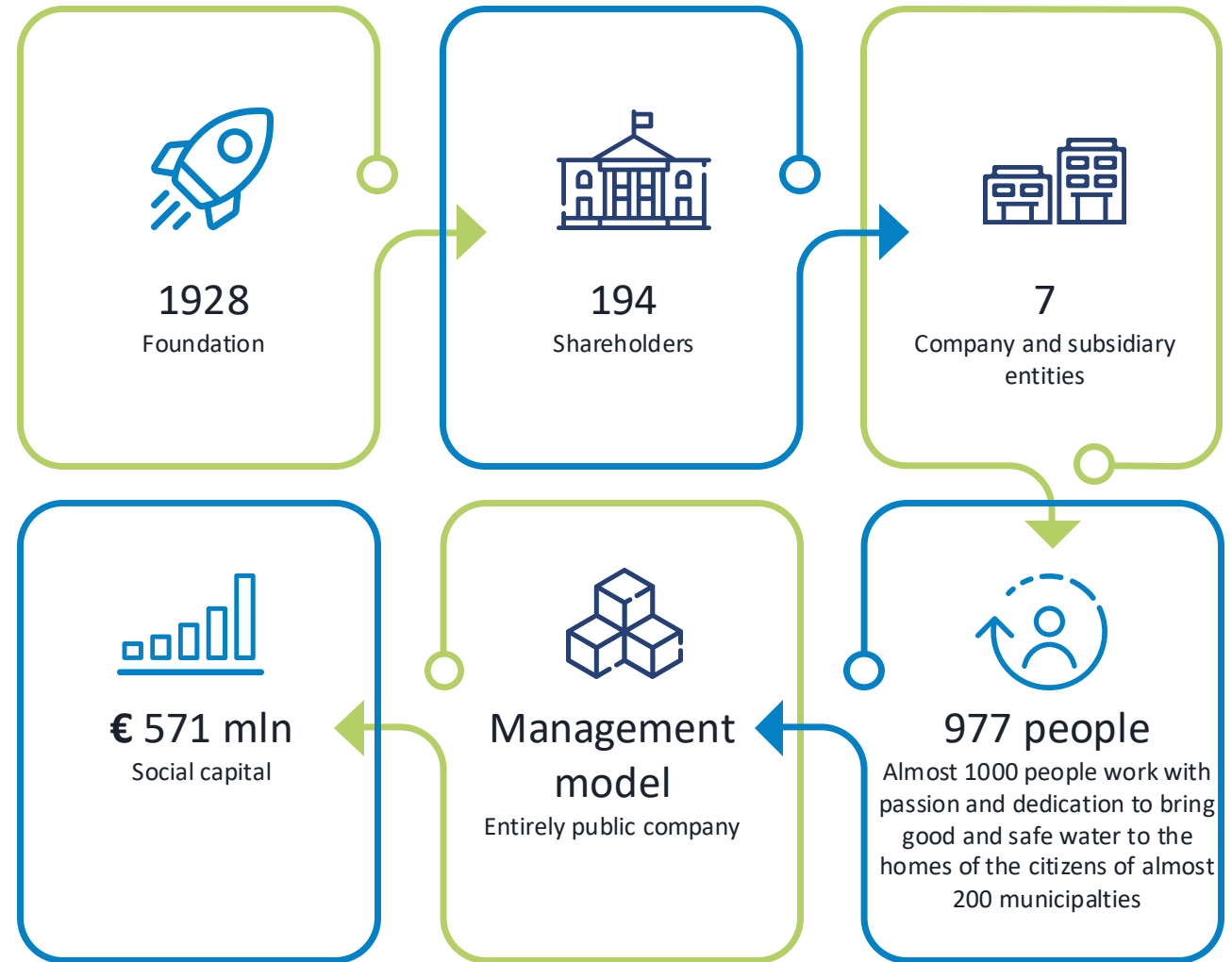
solves the problem:

About us

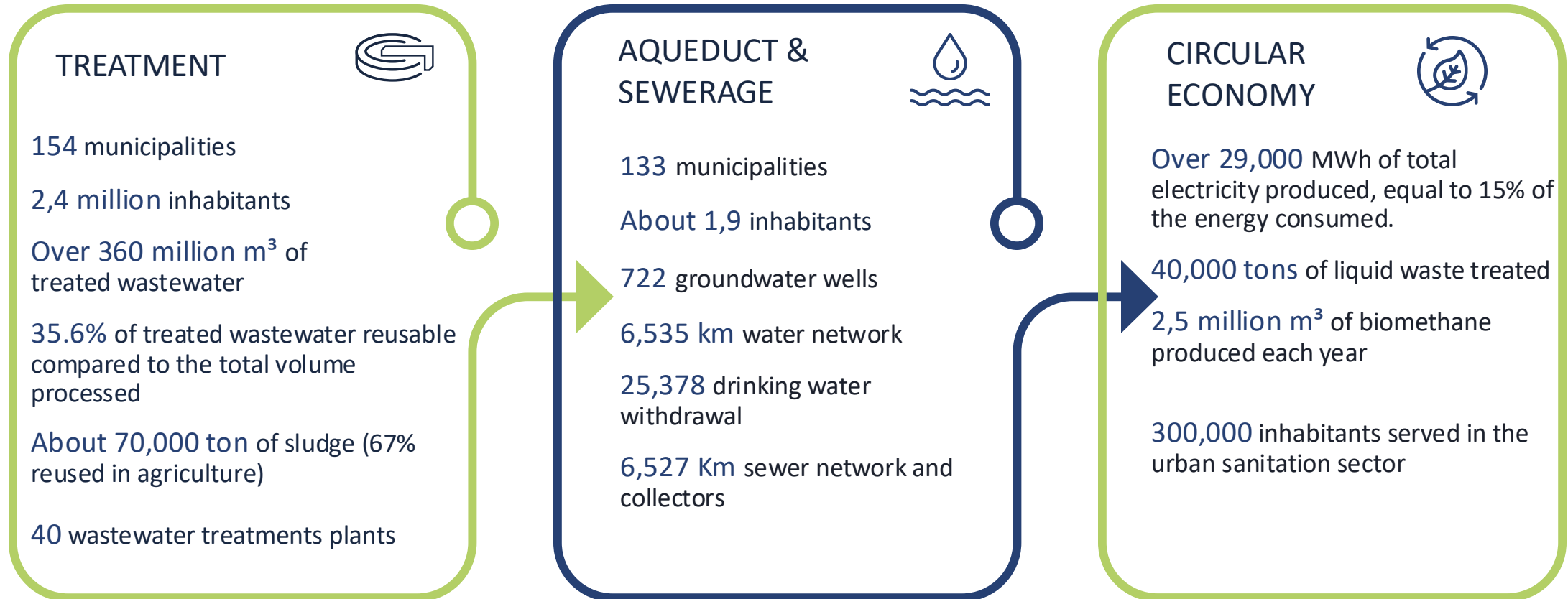
Gruppo CAP is the public company that manages the **Integrated Water Service of the Metropolitan City of Milan** and plays a key role in the development and innovation of Lombardy's water infrastructure.

Thanks to a system of shareholdings, business networks and joint ventures, Gruppo CAP is also active in the fields of waste treatment, bioenergy, green energy and circular economy.

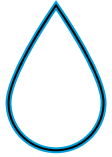
We're becoming a true **green utility** by operating across markets that are complementary to the water sector and essential to the planet's sustainable development, helping them move toward sustainability and a circular economy. In terms of size and assets, Gruppo CAP ranks among the most important single-utility companies on the national scene.



What we do mainly



What we also do



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Tariff-Funded

Allocation of investments linked to ARERA
Technical Quality indicators

- to prevent flooding during extreme weather to adequate sewer system
- Modernize and revamp treatment processes

Founded through regional, national and European grant program

Urban drainage and climate adaptation
projects, which are not charged to customers through utility bills, are

We are working with ARERA to understand if part of these opera can be founded by tariff

URBAN DRAINAGE AND GREEN INFRASTRUCTURE



Address *climate change*.

Following project of Urban Drainage aimed at promoting Sustainable Urban Drainage Systems (**SuDS**).

(Design, Works Supervision...)

We work mainly in *Metropolitan City of Milan Area*

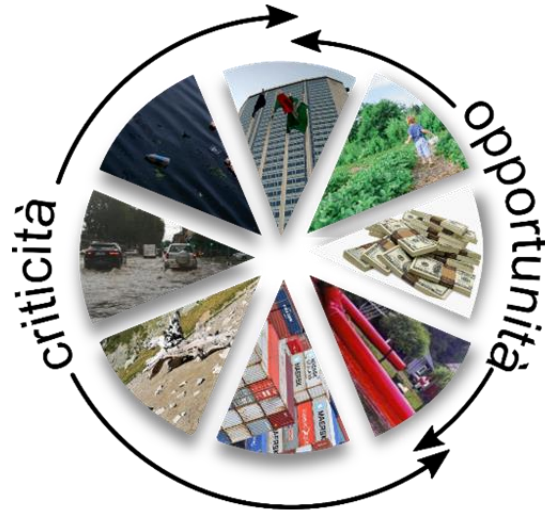
Why Working with Nature Makes Sense

The effects of climate change are an increasingly evident global threat, and one of the most significant causes is the strong anthropogenic pressure on the environment generated by urban areas. The 2015 Paris Agreement and the 2030 Agenda for Sustainability define commitments to which all cities must contribute to address the effects of global climate change. But every city must also address significant local environmental impacts.

Critical issues

Among the most significant issues in the metropolitan area are:

- Degradation of natural resources
- Land fragility
- Climate change
- Increasing production costs



Opportunities:

- "Incentivising" regulatory framework
- Public awareness of environmental issues
- Funding that rewards green solutions (PNRR, Regeneration Call, De-waterproofing Call)
- Recognition of the role of water utilities in managing flood risk in urban areas

It is therefore essential to start from cities to combat global change. To this end, CAP and CMM have launched a strategy to reverse the urban planning model and transform urban areas from sources of pollution, partly responsible for its causes, into "sponges" that can partially absorb it and increase the resilience of urban centers against natural disasters, as well as, obviously, prevent them over time.

Our Journey



DESIGN EXCELLENCE

Built solid project design & management experience through localized initiatives.

- Pilot initiatives: *Life Metro Adapt* (Solaro and Mesero),
- Funded by: EU and Gruppo CAP
- *Inveruno : Design part of a new School*
- Funded by : Municipality of Inveruno
- *Paullo : New municipal car park*
- Funded by : Lombardy Region
-



TERRITORIAL INSIGHT

Conducted deep mapping of local vulnerabilities, risks, and infrastructure needs.

- Utilized DSRI and SIRIC **tools to identify territorial criticalities
- Analyzed strategic points for disconnection from the main network



STRATEGIC ALLIANCE

Established a robust strategic and operational partnership with Metropolitan City of Milan.

- Aligned priorities, data, and public funding models
- Successfully won PNRR funding for 90 key regional projects for €50 mln



TRUSTED PARTNER

Selected as the preferred partner by municipalities to co-design and lead PMRR bids.

- Leveraged proven technical competence and project success
- Trusted for the high-quality outcomes of completed initiatives

BUILDING COMPETENCIES, CREDIBILITY AND IMPACT

Value scales exponentially when demonstrated technical competences and the outstanding results of previous projects become the foundation of absolute trust. Thanks to early pilot experience, CAP proved both its technical expertise and project success, earning the role of preferred partner for CMM and local Municipalities to co-design and win strategic PMRR funding.

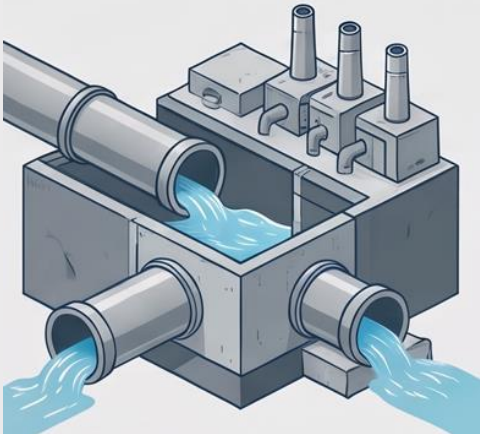


Quick challenge: what would you build here?

A town square floods three times a year. The sewer cannot be enlarged immediately.

A

BIGGER PIPE



Strategy	Bigger Pipe
Primary Method	Traditional grey infrastructure
Core benefit	Rapid water disolacement

B

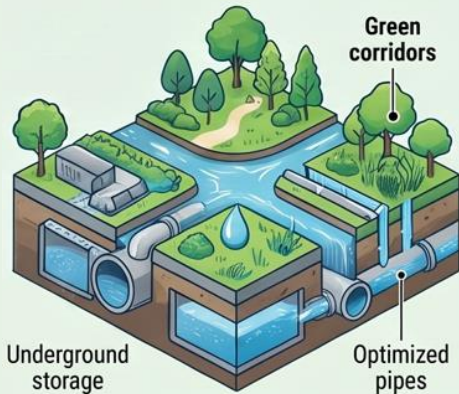
SPONGE SQUARE



Strategy	Sponge Square
Primary Method	Nature Based Solution
Core benefit	Cooling , habitat, infiltration

C

HYBRID SYSTEM



Strategy	Hybrid System
Primary Method	Grey + NBS
Core benefit	Balanced Capacity and resilience

Open Menti to edit



Replace this slide



Add Menti slides



Metropolitan Sponge City: scale matters

From prototype to a funded, replicable territorial programme.

€50.2m

NRRP funding

90

projects

32

municipalities

530,000 m²

regenerated areas

RHO

11 parking areas | €6.0m | 63,183 m²

Permeable parking surfaces, rain gardens, drainage trenches and new urban green spaces.

CINISELLO BALSAMO

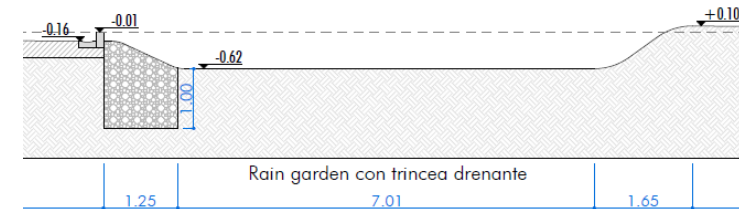
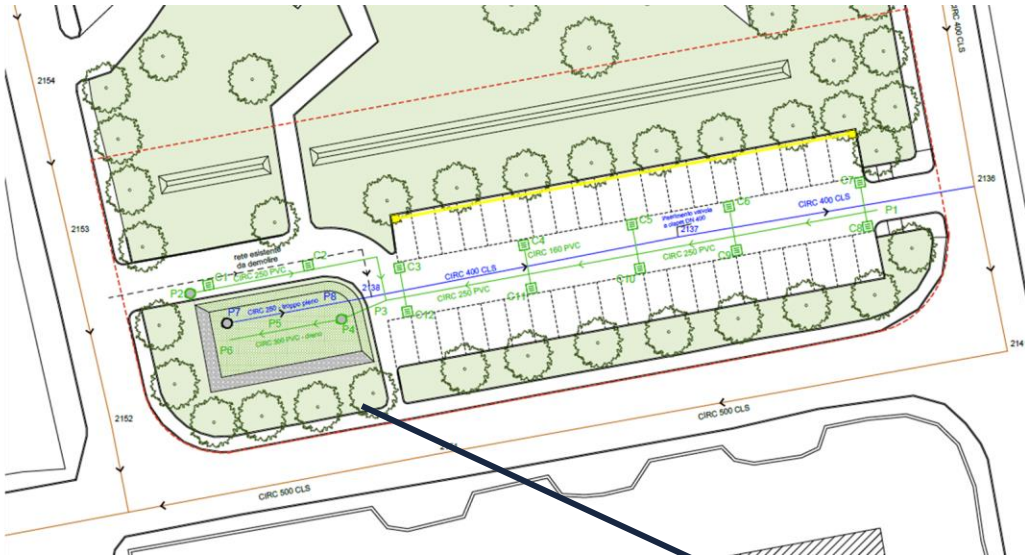
€1.4m | Via Turoldo, Parco Nord Milano

A multifunctional sports area designed through Nature-based Solutions and sustainable drainage.

RAIN GARDEN

Shallow depressions designed to capture, filter, and absorb rainwater runoff from roofs, pathways, and roads.

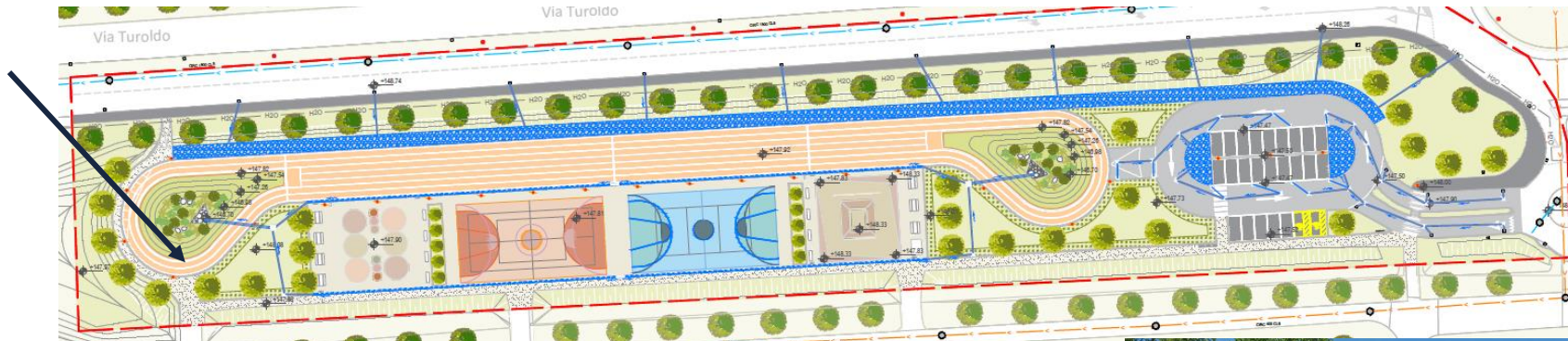
RHO – VIA ALDO MORO (1,978 m² regenerated, 1,015 m² drained)



INFILTRATION BASINS

Large, deep basins serving as stormwater network outfalls, providing retention, filtration, and infiltration functions

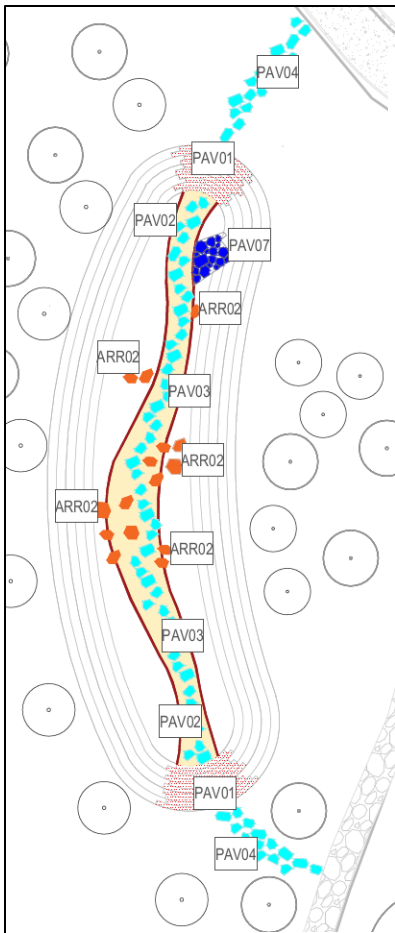
CINISELLO BALSAMO – AREA MULTISPORT VIA TUROLDI (10,376 m² regenerated, 1,913 m² drained)



TEMPORARY STORAGE BASINS

Large, deep basins designed to provide temporary storage volume for underground drainage systems (e.g., infiltration wells).

CORMANO – VIA BRODOLINI (8,966 m² regenerated, 3,559 m² drained)



Echinacea purpurea



Salvia officinalis



Lavandula angustifolia



Oenothera lindheimeri



Alchemilla mollis



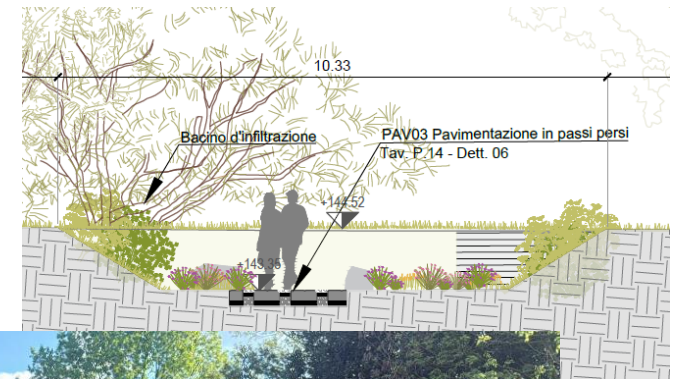
Perovskia atriplicifolia



Salvia microphylla

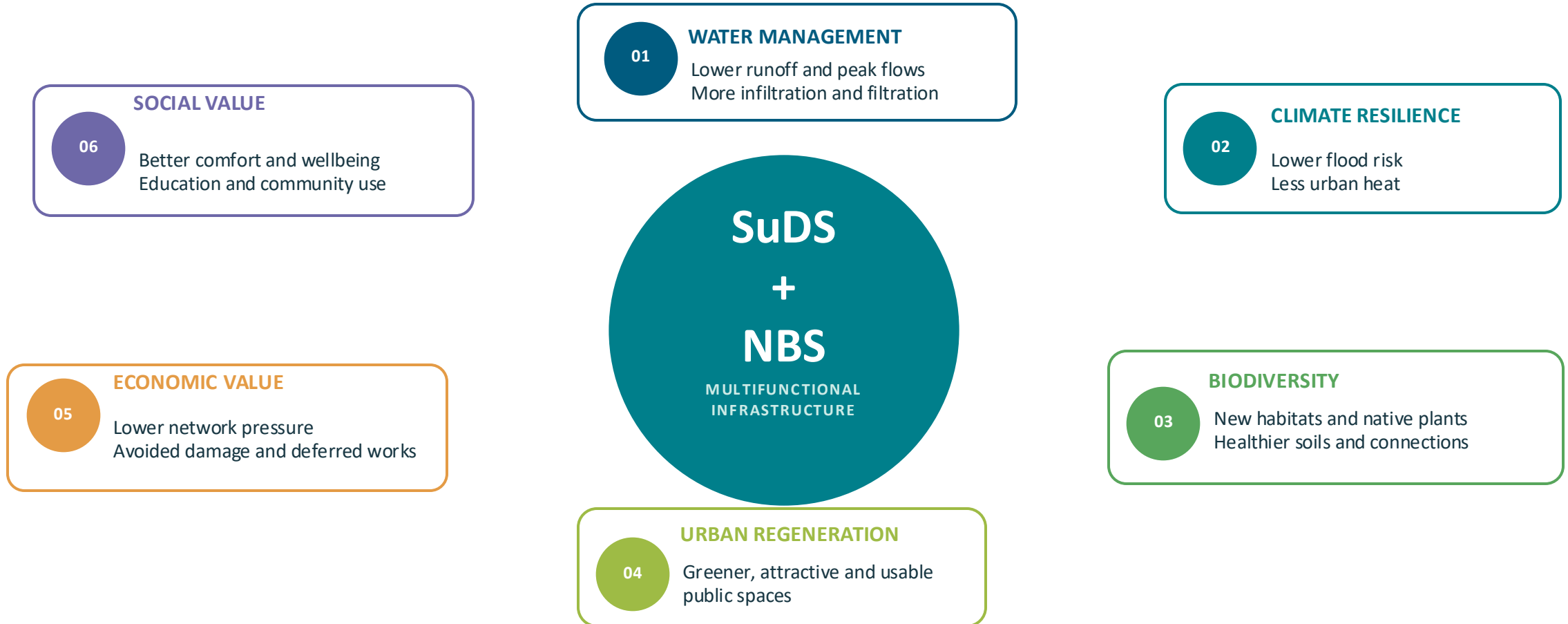


Agastache rugosa



One project, multiple benefits

SuDS and NBS create value far beyond stormwater management.



Measure the full value — not only hydraulic performance and construction cost.

Conclusions

CAP Experience

Strong Interest, Limited Funding: Sustainable drainage and climate adaptation projects are highly valued by metropolitan municipalities, but currently rely on competitive funding schemes (NRRP, regional and EU programs).

Regulatory Discussion in Lombardy: A strategic dialogue is underway with regulators (ATO/ARERA) to assess the inclusion of urban regeneration and resilience investments within the Integrated Water Service tariff, ensuring long-term financial stability.

CAP Group Commitment: Despite ongoing regulatory uncertainty, CAP Group continues to implement hydraulic resilience measures, recognizing their immediate benefits for flood protection, biodiversity enhancement, and social regeneration.

Private Sector Strengths

- 1 Capital and speed of implementation
- 2 Innovation, technology and specialist skills
- 3 Transformation of operational sites and value chains
- 4 Capacity to replicate and scale successful solutions

THANK YOU

GRUPPO CAP

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www.gruppocap.it

CAP | ACQUA
CHE
GENERA
FUTURO
