



Resilient cities and circular economy

July 2021

DP Città Resilienti | Direzione Transizione Ambientale | Comune di Milano

Ilaria Giuliani

Deputy Chief Resilience Officer



Environmental Transition Department

Units involved



City Resilience Department



Climate and Energy Area



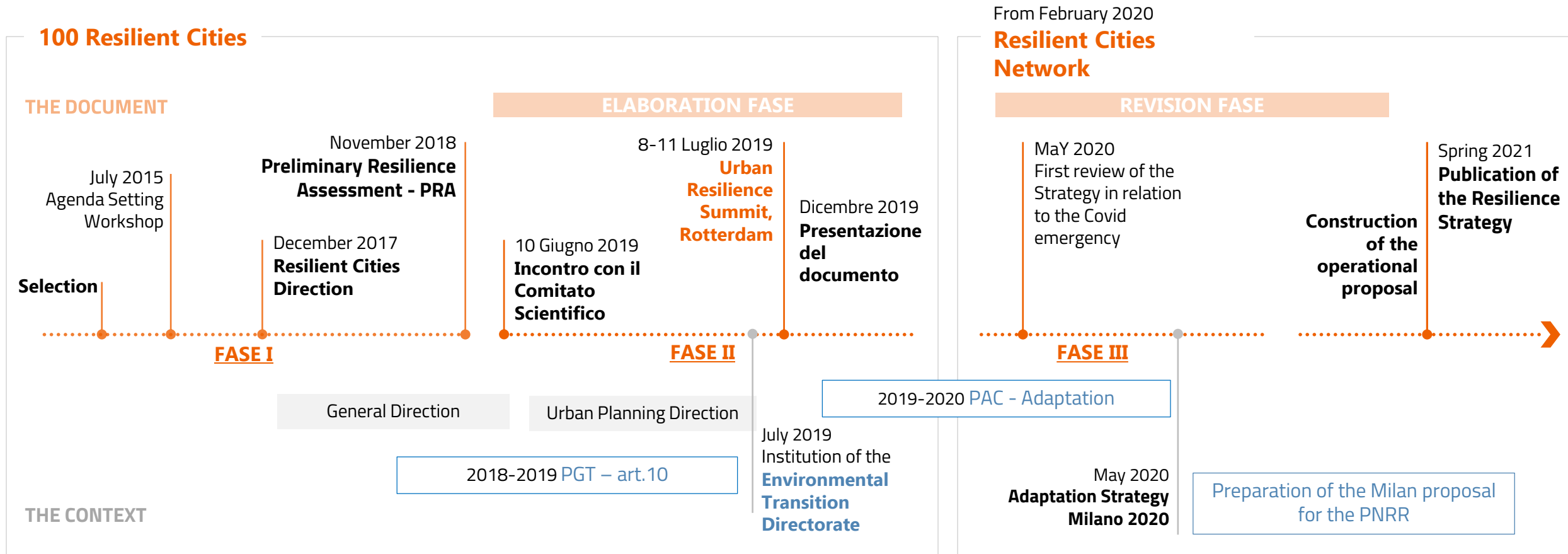
Water Resources and Environmental Hygiene Area

RESPONSIBLE FOR:

- The implementation of environmental and **energy policies**;
- **Resilience issues**;
- Functions in the field of **environmental protection and the fight against pollution**



La timeline della Direzione Città Resilienti



La Strategia di Resilienza

PRELIMINARY RESILIENCE ASSESSMENT

RESILIENCE STRATEGY

SHOCK e STRESS

- Floods – flooding
- Infrastructure system collapse
- Deprivation and poverty
- Phishing attacks
- Accidents with hazardous materials
- Air and water pollution
- Heat waves and extreme heat
- Degradation of urban spaces
- Management of shipbuilding and temporary uses
- Social exclusion and inequalities
- Shortage of decent affordable housing
- Aging of the population
- Lack of security and possible terrorist attacks
- Waves of migration
- Riots or civil unrest

THEMATIC AREAS

Milano Città d'Acqua

Abitare Milano

Cool Milano

Milano Circolare

Safer Milano

Next-US Milano

Services and procedures

Infrastructure and spaces

Inhabitants and communities

PILLARS

1 | Efficient and participated procedures for a resilient and sustainable urban development

2 | A public and private space, liveable, comfortable and adaptive at the service of inhabitants

3 | Inclusive, aware and proactive communities

GOALS

ACTIONS

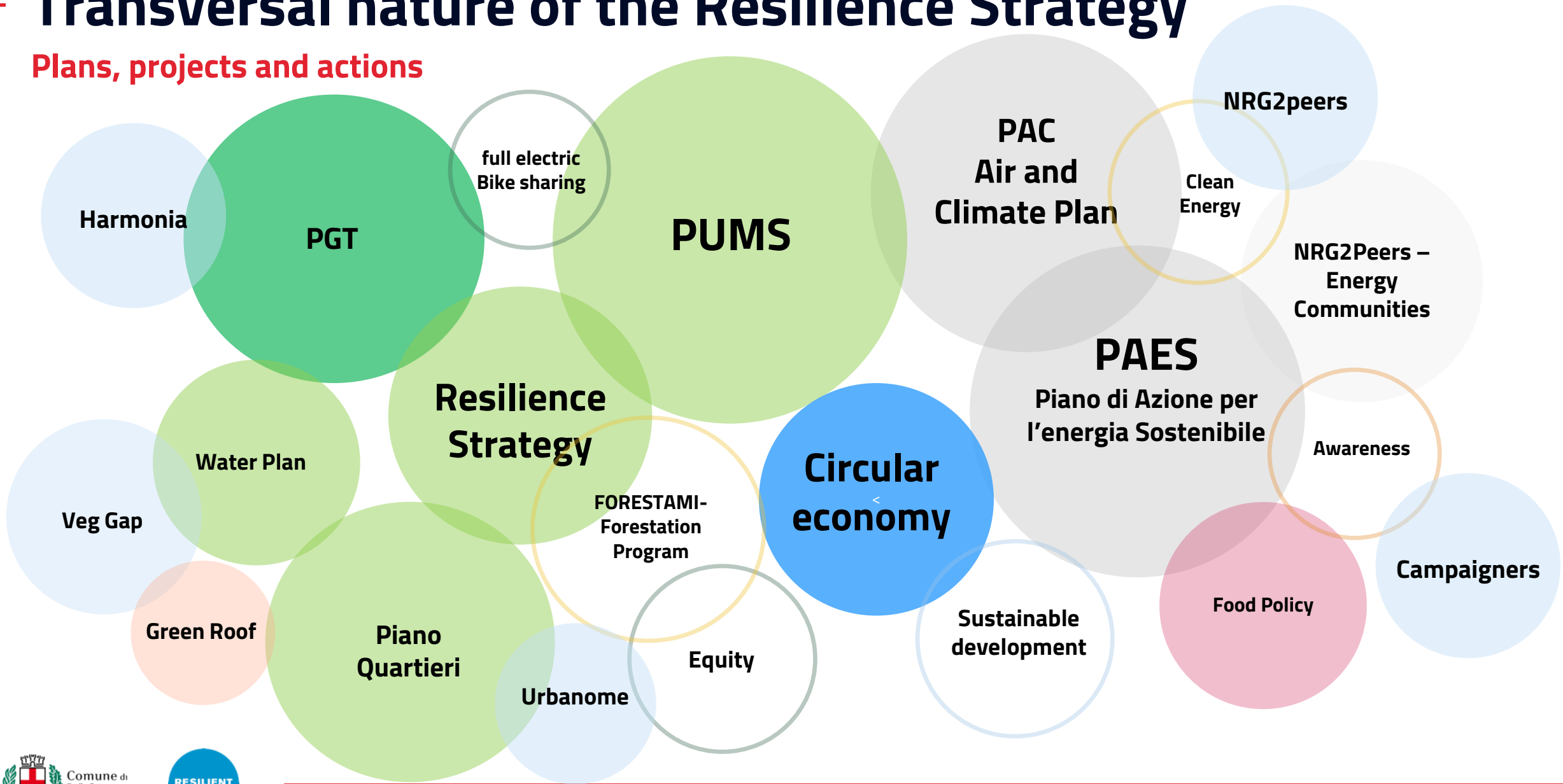
ANALISIS AND RESEARCH

COORDINATION AND SOLUTION DEVELOPMENT

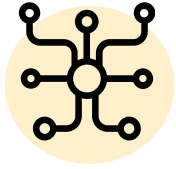
IMPLEMENTATION AND MONITORING

Transversal nature of the Resilience Strategy

Plans, projects and actions



A new method and process



TAKE OFF

**Introduction and framework
Internal/external analysis work**

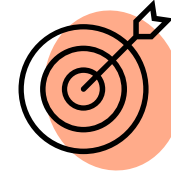
- EXTERNAL: analysis of changes, shocks and stress variations, risks, needs, etc.
- INTERNAL: methods and processes, aggregation of different projects and visions.



DIVE IN

**Areas of relevance/intervention
Annual/biennial reports**

- macro-trends (social, demographic, environmental, economic, etc.)
- Update analysis to broaden the spectrum of issues and actions (e.g. pandemic, social fragility, inequalities, etc.).
- Possible drafting on the basis of stakeholder engagement processes (Fare Milano model).



TAKE ACTION

**Objectives and actions
Coordination between directorates**

- Brainstorming and identification of opportunities/strategies
- Definition of a package of actions in response to the new scenarios analysed (PNRR model)



REPORTING

Reporting & monitoring

- Monitoring and evaluation of actions/project progress
- steering committee for progress and rating of project proposals
- connection with C40 Task Force and other networks

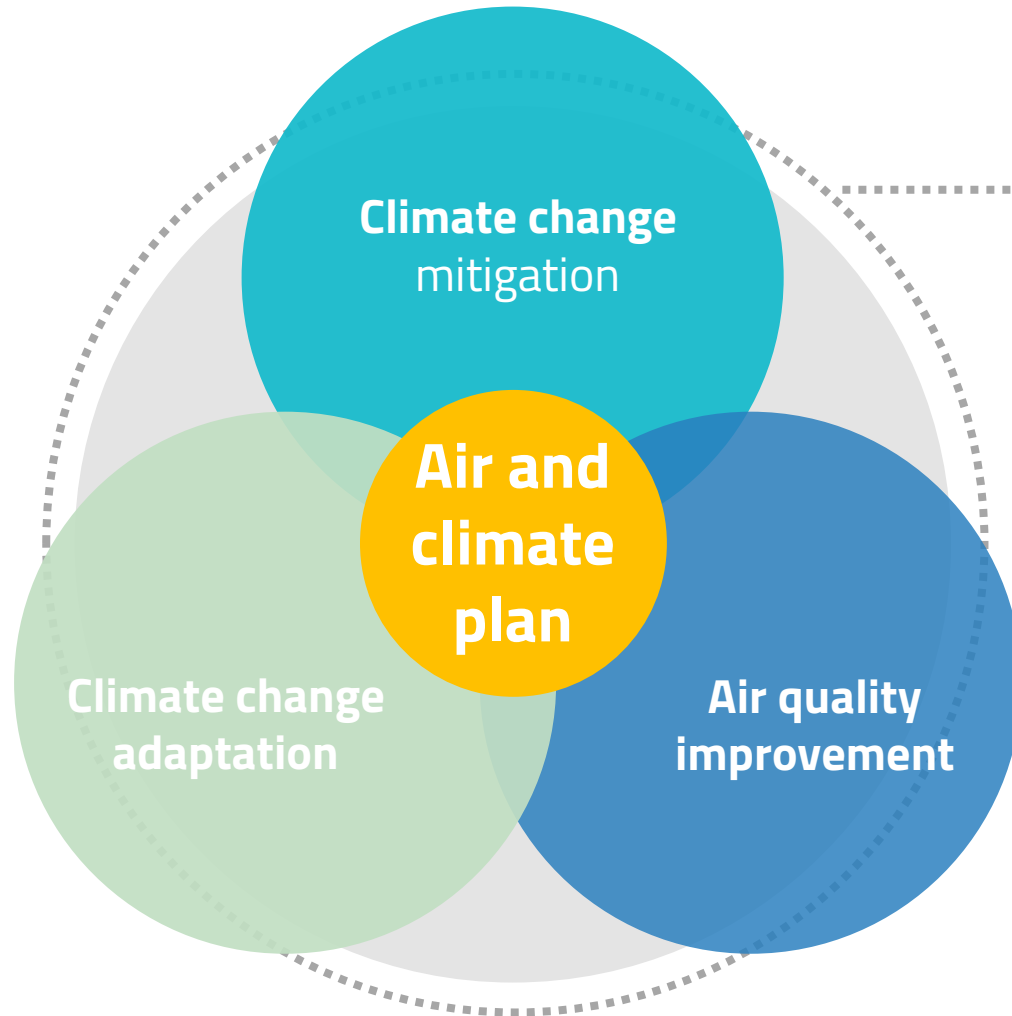
ANALYSIS AND RESEARCH

COORDINATION AND DEVELOPMENT OF SOLUTIONS

IMPLEMENTATION AND MONITORING

Air and climate plan

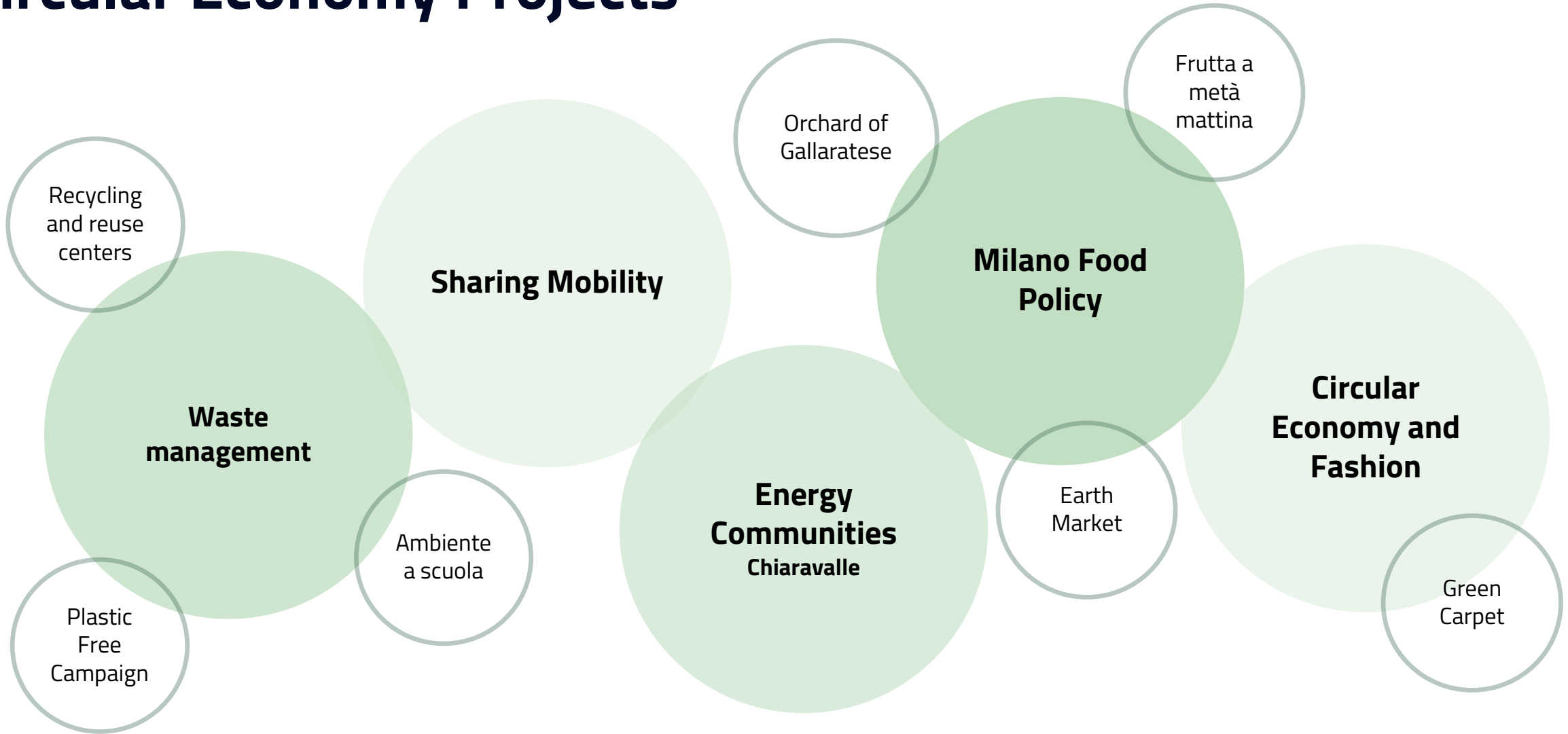
Piano
Aria
Clima



A vision for Milan at 2050, in which the **3 components** of the plan (**mitigation/adaptation/air quality**) integrate to implement the **process of environmental transition**, combining sustainability and equity

The 49 actions of the Plan pursue targets to be achieved by 2030

Circular Economy Projects





Comune di
Milano

