#16: Co-Designing a Resilient Recovery in Cities

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ACTIONS FOR A RESILIENT RECOVERY

INNOVATIVE EXPERIENCES IN RESPONSE TO COVID-19 AND PREPARING FOR THE FUTURE
RECOVERY PLAN TASK FORCE

The city is working to **predict the post-emergency phase in order to mitigate consequences and damages** of the “after” phase. At the same time, the Municipality is thinking on the long run: What can we **learn** from this experience? How to **increase the resilience** of the City to epidemic shocks?
THE 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
CONTINUING THE POSITIVE EVOLUTION

To update the positive moment of Milan and extend it to all the social and registry groups.

Take the opportunity to expand growth to all neighborhoods.

Improve environmental conditions, urban climate and quality of life.

Implement new development models based on sustainable energy to help recovery.

Listening to the citizens and their needs that emerged during the epidemic, and their proposals for tomorrow's Milan.
key themes for the recovery starting from some of the actions the City of Milan has already promoted
MILANO MUNICIPALITY’ PLANS AND THE EMERGENCY

Relationship between the epidemic and the contents of Plans / Strategies implemented

- **JUNE 2018**
  - PAES Adoption

- **OCTOBER 2018**
  - Start of the PGT’ review

- **SEPTEMBER 2019**
  - Start of the development process of PAC

- **FEBRUARY 2020**
  - Covid outbreak
  - PGT approval

- **APRIL/MAY 2020**
  - Gradual Reopening of the city

- **FEBRUARY 2020**
  - Milano 2020 – Adaptation plan

- **OCTOBER/NOVEMBER 2020**
  - PAC adoption; stakeholder engagement process

- **NOVEMBER 2020**
  - New Lock-down and city restrictions

- **APRIL 2020**
  - Milano 2020

- **END OF 2020**
  - Resilience Method and actions

**APPROVED PLANS**
- THEMATIC FRAME

**PLANS IN PROGRESS**
- UPDATING OPPORTUNITIES IN RELATION TO THE EMERGENCY
THE RESILIENCE STRATEGY ACTIONS FOR THE RECOVERY PLAN

PILLAR 1 - SERVICES AND PROCEDURES

Goal 2 | Implementation and financial instruments for urban regeneration

- Art. 10 of the PGT for the reduction of emissions and climate impact for new buildings and the upgrading of existing ones
- Feasibility analysis and creation of a portal to evaluate the renewable energy potential of all the roofs of the city
- Identification of financial instruments for the implementation of urban resilience measures

Goal 3 | Promoting a circular economic system on an urban scale

- Developing guidelines for urban metabolism in the circular economy

#decarbonisation  #equity

PILLAR 2 - SPACES AND INFRASTRUCTURES

Goal 2 | Promoting and implementing green in the city

- Development and implementation of the urban forestation programme for the Metropolitan City of Milan - ForestaMi
- ForestaMi focus ERP and Focus Schools with ‘Milano School Oasis’ proposal
- The role of vegetation in city air quality plans - VEG GAP

Goal 3 | Promote resilient regeneration of public space

- Development of resilient visions and design interventions on a neighbourhood scale

#rinaturalisation  #accessibility

PILLAR 3 - COMMUNITY AND POPULATION

Goal 2 | Support the most vulnerable and facilitate their integration into society

- Introducing the figure of the “Resilience Guardian” in order to intercept subjects and situations of fragility

Goal 3 | Promote measures to ensure the safety of the community

- Development of integrated projects for the reduction of social vulnerability and emergency management
- Development and implementation of the EXTREMA APP for heat wave alerting and cooling area indication

#equity  #active participation
1 _SLOW MILANO_
A city that moves in a fluid, flexible and sustainable way
- active personal mobility (cycle-pedestrian city)
- intermodal personal mobility based on a Mobility as a Service approach
- electric vehicles for freight, emergency and special services

2 _POSITIVE ENERGY MILANO_
Better and lower use of energy
- zero-emission building stock
- smart urban energy system powered 100% by renewable sources

3 _COOL MILANO_
A city that cools down
- a cool, green and blue city that adapts to climate change

4 _INCLUSIVE MILANO_
A healthier, safer and fairer city
- a healthy city, a safe city, social and urban environmental balance

5 _INFORMED CITIZENS_
Shared aims
- pro-capita reduction in carbon and lifestyle awareness
- reduction in production of waste through responsible consumption, reuse and recycling
- reduction in both private and public water use
The adaptation strategy is based on the following:

- Governance, Rights, and Inclusion
- Economy, Resources, and Values
- Labour
- Sustainability
- Timing, Spaces, and Services
The Adaptation Strategy operates in an uncertain and constantly evolving environment, so it must be dynamic and identify different measures according to the following reference scenarios:

- **CONTAINMENT pre-lockdown**: progressive restrictions
- **LOCKDOWN**: quarantine
- **CONTAINMENT post-lockdown**: progressive recovery
- **NEW ORDINARY**: measures for a new normality
Since 2018, project by the Municipality of Milan in collaboration with Bloomberg Associates, National Association of City Transportation Official (NACTO) and Global Designing Cities Initiatives.

**Tactical urbanism**_ involvement of citizens in the process of urban regeneration in neighborhoods that uses spatial interventions and short-term, cheap and scalable policies, to bring public space back at the center of neighborhoods and of the life of citizens.

**Bring public squares back at the center** of the life of neighborhoods. Public squares seen as areas to be lived, not only as spaces for parking or walking by.

Realization of **light, fast and cheap experimental interventions**, that replace roads or redundant intersections.

Temporary interventions allow for quick action and make it easy to test reversible solutions, before making large investments in permanent structures.

**Examples:** widening of sidewalks, creation of cycle paths through signposting.
In light of COVID-19, it became necessary to redefine the use of roads and public spaces and to make the decisive leap towards a diffuse use of bicycles, scooters and other forms of micro- and light mobility, that respect social distancing.

After the lockdown, we had to act in a timely manner to give an alternative to cars, while responding to the necessities of citizens, who tended to avoid public transport as they feared contagion.

Milan developed an Adaptation Strategy for 2020 with the aim of rethinking schedules and rhythms of the city, to reduce and distribute the demand for means of transport during the day.

45 km new bike lanes

Città 30: extension of Zone 30

Increase in walkable areas and in public spaces
Within the perimeter of the Strade Aperte project, in May 2020 the Municipality of Milan defined a series of regulations thanks to which more than 2,400 commercial activities have been able to recover outside the spaces sacrificed inside under the spacing measures.

The City’s measures indicate sidewalk and pedestrian island areas, roadways, and green spaces as occupiable. Moreover, at the end of 2020, some guidelines on how to occupy public spaces have been added to the regulation in order to ensure both security and regular street flows.
FROM PARKLETS TO DEHORS

Interventions to facilitate the arrangement of **tables for bars and restaurants** with the aim of recovering part of the lost occupancy of interior spaces, while encouraging the use of green solutions.

Interventions to perform **open air activities** on the parklets.

Previous arrangement

Current arrangement
PLAY STREET

Sottocorno School, Rogoredo
CITIES on the FRONTLINE

SPEAKER SERIES