Digitalizzazione e innovazione per città sempre più smart
Salone CSR Milano

Salvatore Torrisi
salvatore.torrisi@unimib.it

6/10/2023

MUSA **MULTILAYERED URBAN SUSTAINABILITY ACTION**

musascarl.it

Smart cities and innovation ecosystems

- Cities as places where the concentration of people and economic activities may be a source of externalities, innovation, and growth
- Rapid urbanization also comes with negative externalities
- Innovation ecosystems as underlying mechanisms fostering the formation and growth of smart cities

> "evolving set of actors, activities, and artifacts, and the institutions and relations, including complementary and substitute relations, that are important for the innovative performance of an actor or a population of actors" (Granstrand and Holgersson, 2020).

MUSA: the vision

We propose an ecosystem model that will scale at regional and national levels starting from Milan, an innovative and entrepreneurial, multi-layered metropolitan city that is undergoing profound transformations

- An **innovation model** based on **4 universities of excellence**, industries, local government, and civil society to boost innovation, competitiveness, and business opportunities, aiming to become *a European example of excellence*

- A **novel model of public/private collaboration** and citizens' engagement to tackle innovation from societal, environmental, and technological perspectives

- A focus on ***urban regeneration and sustainability*** *aiming to* impact land, water, air, and energy through in-depth involvement of the social and digital dimension

- Making Milan metropolitan city *a European example of excellence by* responding to sustainable and inclusive growth needs through research, human capital empowerment, and knowledge transfer.

MUSA MULTILAYERED URBAN SUSTAINABILITY ACTION

musascarl.it

Finanziato dall'Unione europea NextGenerationEU

Ministero dell'Università e della Ricerca

Italiadomani PIANO NAZIONALE DI RIPRESA E RESILIENZA

MUSA

People

973 Researchers involved

785 faculty members

315 women (41%)

194 recruited

108 women (56%)

People

194 recruited

29% PhDs
30% Researchers (RTDa)
35% Researcher fellows
 6% Technologists

Average age: 32.3 years

18% of recruited PhDs are foreigners

Partners

Urban Regeneration City of Tomorrow

SPOKE 1

Unimib
Unimi, Politecnico, Bocconi, Private Companies

Big Data - Open Data in Life Sciences

SPOKE 2

Unimi
Unimib, Politecnico, Bocconi, Private Companies

Innovation for Sustainable and Inclusive Societies

SPOKE 6

Unimib, Unimi
Politecnico, Bocconi, Private Companies

Deep Tech: Entrepeneurship & Technology Transfer

SPOKE 3

Politecnico
Unimib, Unimi, Bocconi, Fondazione Politecnico, Private Companies

HUB

Sustainable Fashion Luxury and Design

SPOKE 5

Politecnico
Unimib, Unimi, Bocconi, Private Companies

Economic Impact and Sustainable Finance

SPOKE 4

Bocconi
Unimib, Unimi, Politecnico, Private Companies

MUSA MULTILAYERED URBAN SUSTAINABILITY ACTION

musascarl.it

Finanziato dall'Unione europea
NextGenerationEU

Ministero dell'Università e della Ricerca

Italiadomani
PIANO NAZIONALE DI RIPRESA E RESILIENZA

MUSA