



Finanziato da:



“5G towards 6G for CitiVerse”

How AI, IoT, Blockchain and XR are driving urban innovation in future Cities & Communities



18 June 2024, Turin, Italy

OGR Torino, Corso Castelfidardo 22, 10128 Torino (Binario 2-3)

Context and Objectives

The event will be focused on showcase and promote the debate among Public Authorities, Research and Industry on concrete advancements in the application of 5 to 6G emerging technologies solutions for urban innovation towards the upcoming European paradigm of “CitiVerse”.

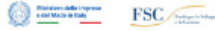
Indeed, digital technologies are shaping our society, supporting full digitization processes, efficiency, and sustainability gains in many domains. The 5G/6G for smart cities and communities are at the forefront of a new wave of generational transformation driven by multiple factors, including societal changes, economic challenges, and aging populations.

5G/6G based on high bandwidth, and ultra-low-latency capabilities will fuel an engine of economic growth and innovation across all industries, driven by creating new industries, sub-industries, cost optimization, and product and service quality improvements. New services such as virtual worlds will have a profound impact on the way people will interact.





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A growing attention at European Level is growing on the concept of CitiVerse intended as virtual worlds/ecosystems for citizens. They can be composed of a series of interconnected distributed virtual worlds representing their physical counterparts and synchronized at a specified frequency and fidelity. Those virtual worlds can offer certain kinds of virtual goods/services (e.g. administrative, economic, social and cultural online activities) and virtual environments (e.g. game scenes, online fora or virtual cities) to citizens and other users represented as digital avatars. User-centric activities in the CitiVerse ecosystem and content creation will be key elements to support social acceptability and trust. CitiVerses could be used by citizen avatars to navigate and discover both public, private, cultural, historical, or touristic digital and physical assets. Businesses will be able to offer innovative and circular services related to shopping, tourism or entertainment while local authorities and communities can improve their sustainability and resilience by managing their infrastructure, make decisions on urban planning and mobility allowing an active citizens participation in co-design of community policies.

All in all, the event will investigate and support cross-collaborations among the different actors of innovation ecosystems according to the “living lab approach” around the concept of “CitiVerse”, considering its vertical applications as well its technology challenges and advancements.

Main sectoral focus will be on the following pillars:

- Smart and sustainable mobility
- Safety and security
- Entertainment, Culture and Tourism
- City Planning towards Climate Neutral Cities.

The program will build upon and showcase concrete advancements derived from the work carried out within:

- Turin House of Emerging Technologies – CTE NEXT, a project supported by the National Ministry of Enterprise and Made in Italy.
- European co-funded projects in this area, linked to the work carried out by EU wide Networks like 6G IA and Enoll.

B2B activities will be organized thanks to the Enterprise Europe Network through Turin Chamber of Commerce.





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Main Organizers:

- City of Turin, through the Innovation and Eu Funds Departments, within the context of “CTE NEXT – Turin House of Emerging Technologies” with partners (TAG, FPI)
- Turin Chamber of Commerce

National Support Organizations

- Ministry of Enterprise and Made in Italy - <https://www.mimit.gov.it/it/>
- Invitalia - <https://www.invitalia.it/>
- MIA - <https://www.miamarket.it/it/>

International Supporter Network:

- 6G IA Network - <https://6g-ia.eu/>
- European Network of Living Labs - <https://enoll.org/>
- Enterprise Europe Network - <https://een.ec.europa.eu/>
- EIT Urban Mobility - <https://www.eiturbanmobility.eu/>

Target audience: Businesses (Corporate, SMEs, Start Ups), Research actors, Public Administrations, Entrepreneurship Support Organizations.

Key numbers:

30 speakers
250 participants
5 network corners
20 B2B desks, +100 B2B
20 live demos

B2B

A dedicated area will be equipped with **20 B2B stations**, with electrical connections. An online platform will be made available to plan beforehand 30 minutes length B2B



meetings, which will be organized according to the programme, in about 3 sessions. More info and instructions will be provided.

DEMO AREA

The demo area will host small scale demo showcases including prototypes/video/equipment regarding innovative emerging tech solutions deployed in European/Italian Cities.

Supporting European Networks will also have their own stand to be used to give information about activities/services/upcoming events.

During the B2B activities, the demo area will be open for participants not engaged in those meetings.

There will also be a light planning of “pop-up presentations” in some of the stands, specifically those managed by managing and supporting organizations.

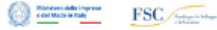
Numbers: **20 live demos**, with possibility to do small demo activities/test products/services and/or watch or know from Videos/live chat.

FOLLOWING SIDE EVENTS

- **EEN Working Group Digital 19/06 @ Circolo dei Lettori (Upon Invitation)**
- **TRIALSNET Plenary - 19-20-21/06 @CSI NEXT (Upon Invitation)**
- **TUR-IN - a ToUR of INnovation ecosystem from start-up to cluster in the framework of the new EU Innovation Agenda** (organized within the EC co-funded project ACCELERATE GDT project and SKALE2CT project of which the Metropolitan City of Turin is a partner) - **19th – 20th June 2024 @Turin Metropolitan City venue (Upon Invitation)**
- **Partnerships for Horizon Europe (P4HEU):** ideas and competences for smart city projects **20-21/06 online**. European event organized by the Italian Technology Cluster for Smart Communities together with around 12 European clusters, focused on supporting ideas for proposals on specific topics to present to the Horizon Europe forthcoming calls. It is a moment where the companies can learn about the Horizon Europe specific topics and calls related and assess potential collaborations



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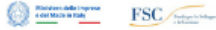
with other partners from other countries. As well as present their own ideas and competences. The initiative includes an international brokerage event afterwards to support the creation of contacts and partnerships at EU level aimed at presenting proposals, expanding their international network to create partnerships and consortia. As a side event, P4HEU can organize 2 plenary sessions activating the EU and international contacts and networks and contribute to the B2B activities organized thanks to the Enterprise Europe Network on the same instance of the B2Match Platform to increase the visibility and audience for the B2B sessions (platform open for 2 weeks after the event). [Registration form available on the website.](#)

DRAFT PROGRAMME “CONFERENCE” - BINARIO 3





Finanziato da:



08.30 - 9.00 Registration

9.00 – 9.30 Opening and Institutional Greeting

Conference Presenter: Alberto Mattiello, Urban Futurist, and International Key note speaker

Alessandra Cimadom, City of Turin General Director (TbC)

Guido Bolatto, Turin Chamber of Commerce

9.30-10.00 Opening Dialogue “The Cityverse Paradigm in Europe and beyond”

Alberto Mattiello, Urban Futurists

Martin Bailey - Head of Unit, DG CONNECT, European Commission, Technologies for Smart Communities

10.00-11.15 First round table

“From digital twin to citiverse applications for urban planning and smart life”

Moderated by: Ignacio Verga, Serendipity. Intro on “DataSpaces and Local Digital Twins as the main strategy to build the citiverse”

Speakers:

Piero Boccardo, Polytechnic of Turin, Turin Digital Twin: use cases and perspectives

Tania Politi, Representative from Metacities Excellent Hub (<https://metacities-hub.com/>): Excellence Hub for future cities and regions in Southeast Europe, built upon Digital Twins and metaverse technologies

Paolo Nesi, *University of Florence*, Snap4City Platform for Global and Local Digital Twins

Jonathan Napolitano, *Real again*, IoT & Blockchain enabled Urban Plastic Bank Representative, **Planet Smart City** (TbC)

Roberto Demarchi, *Utwinn*

Nicola Blefari Melazzi, President CNIT (TbC)

11.15 - 11.30 Smart pitches

Roberto Sabatino, Enlite AI (TbC)





Finanziato da:



Sasan Amini, Transcality (TbC)

11.30-12.00 Dialogue “5G to 6G, Web3 & Metaverse: new horizons for immersive Entertainment”

Alberto Mattiello, Urban Futurists

Elisabetta Rotolo, MIA (TbC)

12.00-13.15 Second round table powered by MIA Extended Reality for Culture, Entertainment and Gaming

Moderated by: Elisabetta Rotolo, MIA (TbC)

Speakers:

Name TBC, *IIT Robotics and XR in Museums, CTE Genova & Torino Experience*

Andrea Basso, Crossmedia Europe - *AI & XR for immersive cultural and touristic visits within EC project TRialsnet.*

Luca Vignaroli, Research Center RAI - *5G broadcast for distributed production applied to Music and Artistic performance - The Experience of the 5G Jazz Jam session 2023*

Sara Tirelli, [CSC Immersive Arts](#) *Experience as Director of Venice Immersive Arts Center for the Expanded Moving Image and artist (TbC)*

Name TBC, [Small Studio](#) *Creative Production of Immersive Works (TbC)*

Nicola Farronato, W4Games

13.15-13.30

Smart pitch

Massimo Migliorini, LINKS

13.15 -14.30 Lunch Break, networking/B2B, Pop up presentations and Startup Pitch

14.30- 14.50 Keynote speech “6G Positioning and Sensing Through the Lens of Sustainability, Inclusiveness, and Trustworthiness: which Key Value Indicators?”

Hassan Osman, Realwireless

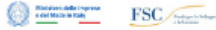
14.50-16.05 Third Round Table “5to6G and AI to support future mobility solutions in Cities”

Moderated by: TBC





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Speakers:

Eloy Gomez, EIT Urban Mobility

Daniele Brevi, Links Foundation, Envelope Project

Andrea Di Giglio, TIM, Smart Ambulance Use Case, Trialsnet Project (UC8)

(<https://trialsnet.eu/usecases/UC8/>)

Hugo Furtado, Dreamwaves

Domenico Schillaci, Dipartimento per la trasformazione digitale

Massimo Moraglio, TU Berlin

Dario Sabella, ETSI

16.05- 16.15 Smart Pitches

Anais Enrico, Karos

Pasquale Marasco, Bylox (TbC)

16.15 -17.30 "The Living Lab Approach: Tips for pioneering emerging technologies in real urban settings" - powered by Enoll

Moderator: **Martina De Sole**, Director European Network of Living Labs

Speakers:

Inga Barisa, Riga City Council Digital Agency Adviser, EU digital innovations, Coordinator of "5G4Lives" project (CEF Smart Communities programme)

Spyros Denazis, University of Patras, Greece, p-net Competence Center

(<https://p-net.gr/>) Open 5G/6G network infrastructures and close to production networks for Smart City verticals

Elena Deambrogio, Outcomes of CTE NEXT Urban Testing Programmes and connected projects

Representative from Lugano Living Lab

Sara Torabi, Polytechnic of Turin Digitalization for shaping the Green, Circular, and Inclusive Cities" within GREEN-INC,, DUT European Actions

Matteo Satta, EU and Cities Expert, Coordinator Climaborough project (Horizon Europe)

17.30-18.30 Final Debate "AI for future cities: ethical and sustainable AI for urban innovative services"





Finanziato da:



Alberto Mattiello, Urban Futurist

Guido Boella, University of Turin, Member of National AI Advisory Board

Fabio Pammolli, President AI4Industry Foundation

Maria Grazia Mattei, [Fondatrice e Presidente MEET](#)

18.30 Closing Remarks and open to networking

Chiara Foglietta, Deputy Mayor for Innovation, Digital and ecological transition, Mobility and Environment, City of Torino

Demo show cases, pop up presentations and aperitif!

BINARIO 2 - “DEMO, B2B & NETWORKING”

20 BTB SPACES + 20 DEMO SPACES

Open all day long

