# **Sustainable IT for Cities**





### Nicola Farronato

Head of Innovation Torino City Lab

# Sustainable IT for Cities

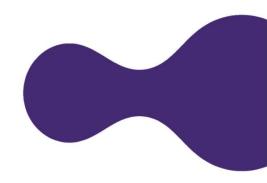


Sustainable cities will be determined by the optimum equilibrium between enabling technologies and entrepreneurial ecosystems.

Urban innovation can be fostered by emerging technologies also embracing a circular economy paradigm: outputs of urban experimentations in mobility can become inputs for a new innovation challenge in agrifood, for instance, thus extending the life of the innovation process and maximising the experimentation data obtained with a city lab approach.







TORII

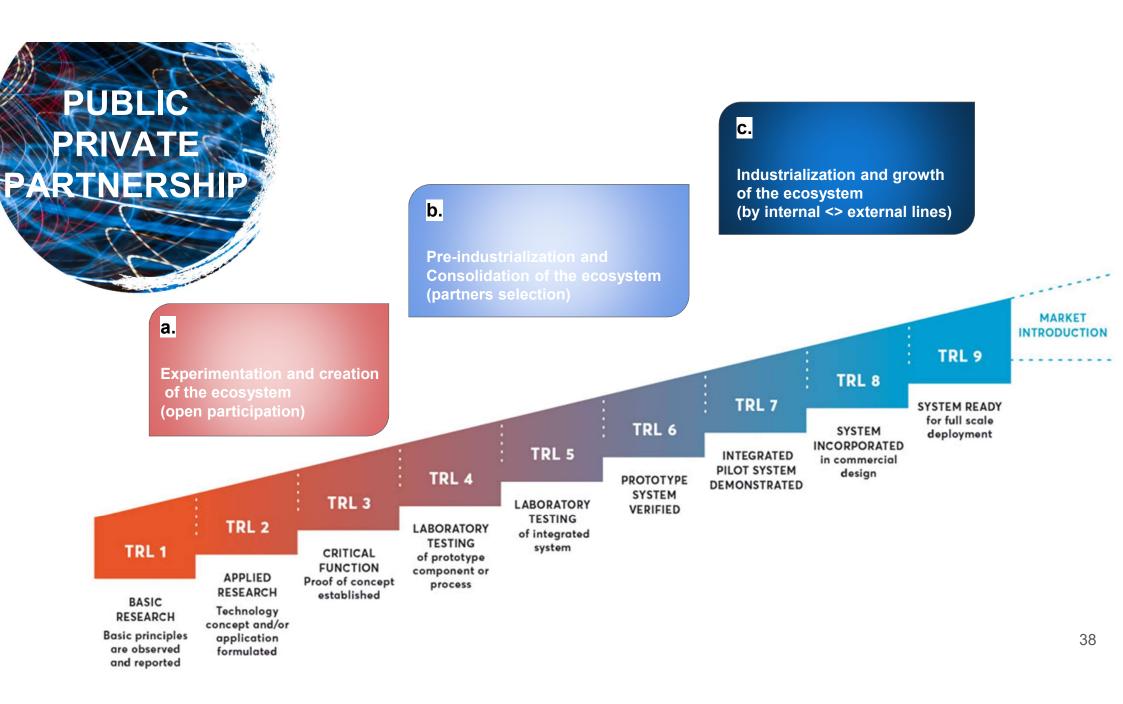
17th September 2021

# Sustainable IT for (Sustainable) Cities



"Sustainable cities will be determined by the optimum equilibrium between enabling technologies and entrepreneurial ecosystems"

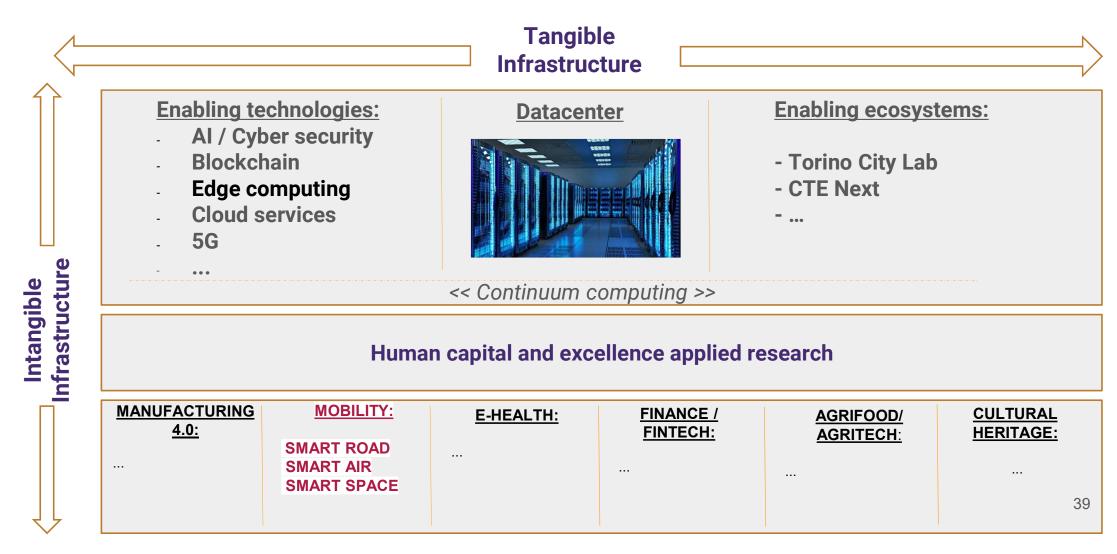






## Turin's smart city matrix







### TORINO CITY LAB : Torino innovation ecosystem

#### +70 PARTNERS +5 +50 PROJECTS CHALLENGES

<24 MONTHS





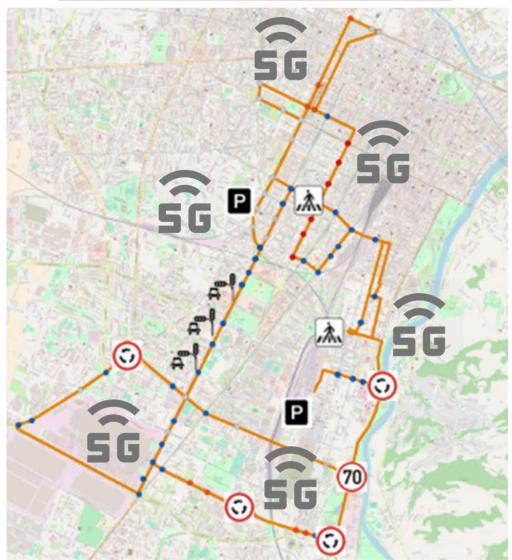




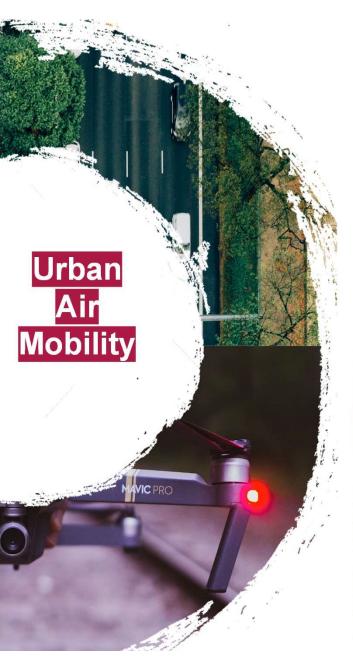




#### 35KM OF URBAN CIRCUIT FOR TESTING AUTONOMOUS & CONNECTED CARS



Automotive Association



#### OUTDOOR & INDOOR DRONES TESTING AREAS











Complex

production

chains

modeling

Flight &

Mission

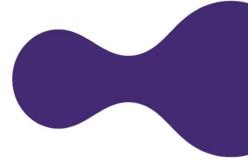
**Autonomy** 

Monitoring

ELEONARDO CORSO FRANCI THALES ALENIA SPACE SERVIZI PUBBLICI PMI PARCO ALTEC - ICARUS SPACE CENTER THALES ALENIA SPACE AGORÀ CORSO MARCHE MARCHE POLITECNICO DI TORINO CAMPUS **GREEN BUFFER** «MARCHE» Didattica Ricettivo, servizi, shopping, divertimento, food, coworking Residenze, Aree verdi di mitigazione, Laboratori di ricerca, sport, verde percorsi ciclopedonali laboratori condivisi

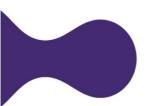


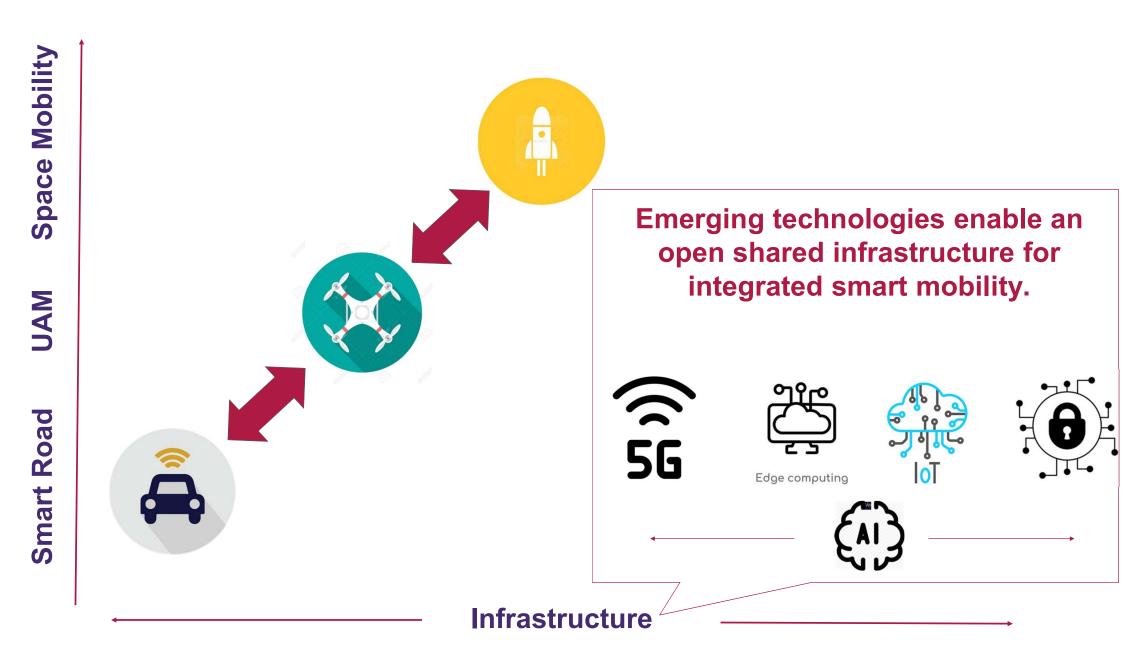
#### **European Space Agency**



# Smart Road + Urban Air Mobility + Space Mobility

Open integrated #SmartMobility





Casa delle Tecnologie emergenti

Home for emerging technologies





# connected vehicles, autonomous driving, transport systems and infrastructures, ...

# CTE NEXT



#### Urban Air Mobility

smart logistic, monitoring, land/air integrated smart mobility solutions, ...

#### Industry4.0

connected machines, extended supply chain, smart manufacturing, ...



#### Innovative Urban Services

new services for citizens, urban spaces optimization, ...

The innovation hotspots of Turin

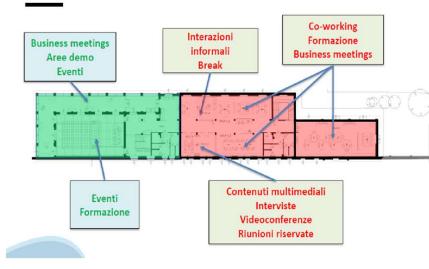






## The central Hub

#### Spazi multifunzionali





### The central Hub

#### CSI NEXT: OUTDOOR

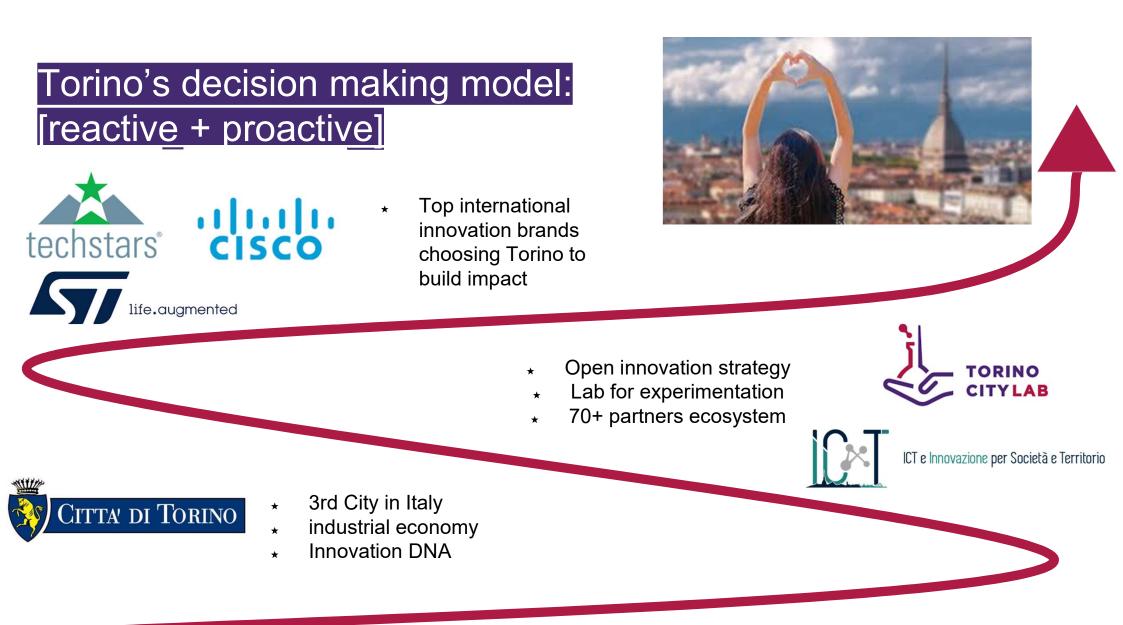


Anche nelle aree a prato possono essere disposte nuovi "pergolati" da attrezzare e arredare

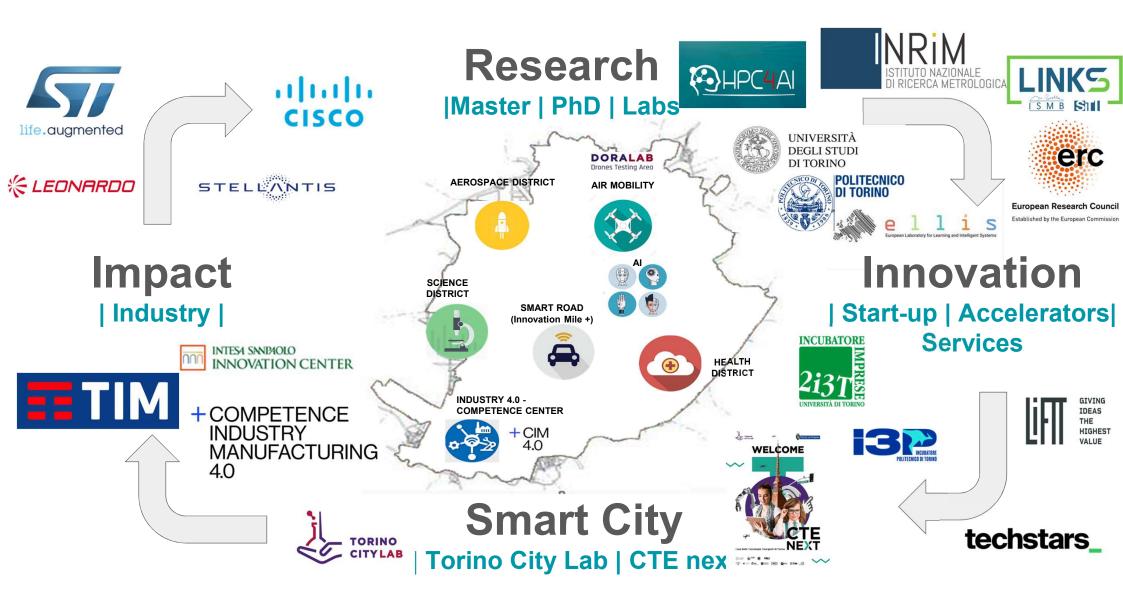








Our circular innovation model



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