

Conditions for participation and operation

VISION

Turin wants to be recognized as an "open laboratory" for the development of urban innovation and as one of the entry points for its diffusion in Europe.

Building on know-how and the industrial past, Turin becomes an open laboratory of "frontier innovation" able to attract businesses and skills to lead the development of the "City" of the future.

WHAT IS TORINO CITY LAB

Torino City Lab (TCL) is an initiative-platform aimed at creating simplified conditions for companies interested in conducting testing in real conditions of innovative solutions for urban living: promoted by the City of Turin, it involves a vast local partnership of public and private actors interested in supporting and growing the local ecosystem.

TCL is thought as an "innovation laboratory" open and widespread throughout the city area. TCL intends to facilitate the relationships between companies and the City - also through its utilities and other key local players - by providing a single municipal contact point to simplify testing procedures.

TCL allows simplified access to public spaces and assets, including intangible ones (processes, services and data).

TCL expands and strengthens relations within the local innovation ecosystem, through a *partner* system articulated in:

- UTILITIES
- MAIN PARTNERS
- RESEARCH and ENTREPRENEURSHIP SUPPORT ORGANIZATION

TCL allows "scaling the solutions", promoting them within networks and projects on a local, national and international scale.

TCL aims to involve end users and citizens, promoting the comparison of local challenges and supporting the active participation of interested communities through "Call for actions". This is also thanks to the use of digital platforms for participation and "storytelling" through data.

WHAT DOES NOT TURIN CITY LAB

It does not finance the trials, except for specific cases that will be made public through "Notices" for specific "CHALLENGES" of interest to the City or its partners.

It does not act as a "showroom" of market products, but only admits innovative solutions to unresolved problems, e.g. predominantly at the pre-commercial stage.

The City reserves the right not to admit or exclude at any stage experiments that it considers harmful or inconsistent with the sector's institutional *policies*.

The trials are temporary and should not, in general - except for specific cases or activities that will be made explicit - produce costs for the City in all its phases: from installation, management and maintenance, until dismantling.

It does not provide for the direct purchase of the tested solutions. In case of interest, the City will proceed outside the framework of "Torino City Lab" according to the regular public procurement procedures also in the form of "Public Procurement of Innovation".

THE VALUE PROPOSAL: SUPPORT FOR TESTING AND FACILITIES

The City of Turin through the Special Project Smart City, Innovation and European Funds will offer constant support to facilitate access and then facilitate the conduct of trials, in coordination with other Internal Services and Utilities.

In particular, it will provide guidance and support for the preparation of the proposal, both *online* and *offline*, thus enabling a confrontation with the PA and its *partners* to be activated right from the application stage .

For this purpose, each Division / Area of the City will be called to indicate a "Contact person" for innovation projects, who will offer support at any stage: preliminary investigation, assessment and support for testing.

In order to carry out the necessary assistance and support activities, with particular regard to the optimization of the time required for analysis and validation of internal procedures, the City intends to offer a "single entry point" as part of the Smart City, Innovation and European Funds Special Project and simplifying subsequent authorizations by the relevant Sectors.

In this way, TCL intends to offer constant support for the conduct of the experiments, both in relations with the various offices involved and with the partners, providing an authorization process that is as simplified as possible for aspects of direct competence, with particular regard to use of material assets.

Where possible, the facilitation will be promoted in the payment of taxes and fees of competence, in accordance with the Municipal Regulations and the current legislation (eg COSAP, CIMP, BOLLI, etc.).

It is specified that with regard to the COSAP exemptions, as well as the relative estimate of the cost and the loss of revenue for the City, these must in any case be decided by the City Board and reported in the subsequent negotiation deeds. The organizers will still have to pay the secretarial costs.

Deregulation can be initiated for "frontier innovations" through the activation of working groups including external competent subjects when relevant. In these cases, the times for evaluating and defining the experimentation agreements may vary.

Testing activities will also be facilitated by TCL partners (utilities, large industrial players, research world or other identified stakeholders). In particular, the so-called "Main Partner" - selected according to the value offer to the "Torino City Lab" model will help support the companies admitted to testing according to their interest in terms of know-how, networking, access to finance, visibility, technological and research infrastructures.

Utilities

WHO CAN PARTICIPATE

The admitted parties are companies, including social enterprises, individually and collectively (joint-stock companies, private companies, cooperative companies), which are based in Italy or abroad.

Other subjects from the research world or others are admitted, but only if in *partnership* with a company.

In case of partnership, all the partner must complete the Request of Participation and indicate the lead partner who will be the sole interlocutor of the Administration for the fulfillment of all contractual obligations.

All subjects must possess the legal requirements to contract with the Public Administration pursuant to art. 80 of Legislative Decree no. 50/2016.

OBJECT OF THE EXPERIMENTATION

Innovative solutions of public interest on an urban scale are eligible for experimentation in the context of Torino City Lab.

By "**solution**" we mean a product, a technology, an organizational process, a service or a mix of these able to respond to an identified problem.

For "**Innovative**" we refer to a NEW OR SIGNIFICANTLY IMPROVED solution compared to the European market in the sector and *target audience*. Therefore, these are solutions that are not or rarely present on the market, at the pre-commercial stage. The so-called "frontier" innovations will be favored according to the recent discussion Technology and Innovation Report 2018: Harnessing Frontier Technologies for Sustainable Development (UNCTAD, 2018). [\[1\]](#)

"**Of public interest**" means, for the purposes of this initiative, solutions that have the urban living focus and therefore aim to positively influence policies, services and public assets and to create "social impact" in the medium term.

Regarding the sectoral areas of intervention, reference is made to the taxonomy of the "smart city" areas:

- ICT: Government - Diffusion - Human Capital & E- dem gov -E- Transparency- Procurement
- ENERGY AND ENVIRONMENT: Buildings - Public Assets Management - Building Management Systems - Energy Management - Smart Appliances - Public Lighting - Smart Grid - Renewable Energies - Pollution Control - Waste Management Management - Nature Base Solutions - Circular Economy
- MOBILITY: Mobility & Transport - City Logistics - Mobility Services – Infomobility
- ECONOMY: Economy and people Business & Entrepreneurship
- QUALITY OF LIFE: Living - Education - Healthcare - Leisure & Hospitality Public Safety & Security - Welfare Services.

Among the areas indicated, the City of Turin pays particular attention to the following aspects of technological innovation:

- artificial intelligence & robotics
- autonomous and connected vehicles
- drones and new services in the smart city
- 5G & IOT
- Tools and innovative ways of communication and for the involvement of citizens.

Specific *challenges* or priority areas can be identified periodically and allow to start "thematic laboratories", following requests of the City Services / Departments concerned, as

well as a result of the comparison between the Torino City Lab partners or as part of a cooperation process. European.

Sustainability (environmental, social and economic) is considered a transversal priority and will therefore be considered as a priority KPI for the selection of the solutions allowed for testing.

EXPERIMENTATION AREA AND ASSET

The entire territory of the City of Turin may be affected by the experiments.

On the dedicated *website* it will also be made clear a section concerning specific *testing* areas of interest proposed by the City and / or *partner* (Utilities, Large Enterprises, World Research). By way of example, specific areas of the City are being defined for the testing of "drones" and for the circulation of autonomous vehicles.

With regard to assets managed by third-party companies (so-called Utilities), by virtue of the agreements signed, the City will facilitate case-by-case identification of the areas that can be made available for testing, as well as rules and possible costs of use.

DURATION OF THE EXPERIMENTS

The duration will be proposed by the proponents according to the type and complexity of the experimentation. In any case, the maximum duration is 12 months. Extensions of up to 6 months can be evaluated, duly justified and in agreement between the parties.

PARTICIPATION METHODS

Torino City Lab has two access channels:

- FREE APPLICATION, with the possibility to apply at any time its experimentation proposal, in any sector, through the participation *format*;
- PARTICIPATION IN "CHALLENGES". In this case, the timing will be dictated by the notice and the access requirements may be more specified (sectoral scope, type of solution, level of innovation, recipients, territories / areas of experimentation, duration, etc.). The *challenges* will be able to provide ad hoc financing of the experiments by the City and its partners.

Testing proposals will be transmitted live via *online* application on *the website* of the project.

The City of Turin will offer guidance and support to the preparation of the application through *online* and *offline* activities.

EVALUATION TIMES AND METHODS

The proposals received will immediately be object of eligibility assessment by the offices of the Innovation, European Funds and Smart City Dpt..

They will subsequently be evaluated by a "Technical Commission" specifically set up by representatives of the City of Turin selected due to their areas of expertise, assisted by any external representatives, also identified by the *partners*.

It will also be possible to set up further hearings with the proponents of the individual projects.

The Commission will proceed to examine the merits of the project proposal and provide the outcome of the evaluation activities within 60 days, except in cases of force majeure due to the complexity of the projects and the necessary involvement of third parties with respect to the Administration and to the partners Turin City Lab.

Following the evaluation, an "**Experimentation Contract**" will be signed (see **Attachment 1 - Type Agreement**) which will specify the mutual commitments and interests and which will start the "testing", starting from its operational planning and the related authorization procedure.

The total duration envisaged for any authorization procedures can be quantified in a maximum of a further 45 days.

The Administration has the right to redefine the evaluation period, also in relation to the number of proposals received: by way of example, the evaluation window may be temporarily closed upon receipt of a certain number of proposals (for example 10) to allow adequate activity evaluation. Subsequently, the preliminary investigation and evaluation activities will proceed regularly.

DATA

The City of Turin also through the partnership will make available where possible and relevant useful data for the purposes of testing, starting from what is already available on the open data portals (<http://aperto.comune.torino.it/>).

Similarly, the subjects admitted to testing undertake to agree with the City on how to consult the data (if any) produced in the real time trial, as well as the type of data, the modalities of release (also, in part, in "open" format where possible and relevant) and the frequency with which these must be made available on platforms or management systems used by the organization.

Where the collaboration activity detects from the point of view of the processing of personal data, the Parties will regulate the processing in full compliance with the applicable rules including the EU Reg. 679/2016 (General Data Protection Regulation). Any aspects of detail will be regulated within the "Experimentation Contract".

EVALUATION CRITERIA

The proposals will be evaluated according to the following criteria for the allocation of scores for the purpose of drawing up the ranking of the proposals received:

- **innovativeness** - to be evaluated in terms of: degree of originality and potential of the proposed solutions compared to the European reference market ". The so-called frontier innovations will be privileged.
- **technical feasibility** - to be assessed in terms of: adequacy of the activities and tools used for testing with respect to the objectives set, the location chosen, time and budget; respect and / or analysis of the regulatory, technical and logistical conditions of the experimentation context; clarity of the testing proposal, highlighting the "added value" of testing in real conditions", as well as the support and facilitation requests addressed to the City in its various articulations.
- **economic and financial sustainability** - to be evaluated in terms of: clarity in identifying a potential reference market; sustainability of the proposed business model.

- **coherence** of the proposal to be assessed in terms of: the project's ability to respond to the sectoral *policies* of the institution and of the lines of direction of Torino City Lab.
- **involvement and social and environmental impact** to be assessed in terms of: quality of the analysis methodologies / monitoring tools and assessment of the social and environmental impact of experimentation and of the fully operational solution (KPIs, measurement methods); where relevant, the quality of the methodologies used and the activities planned for the inclusion and participation of relevant territorial actors in the co-development process for innovation.

On the basis of these criteria, a special ranking will be drawn up and a limited number of proposals will be selected to access the *testing*. Financial support may be provided for testing, if *ad hoc* financial resources are made available and for areas of development of interest to the institution and *partners*.

[1] Useful references: http://unctad.org/en/PublicationsLibrary/tir2018_en.pdf.