

Training on the use of collaborative and intelligent tools. The Smart City Gran Concepción activity introduces to Chile bottom-up smart city methodologies that help local and municipal governments: a) to learn to use and implement tools with better real-time interaction and response with citizens and, b) to create partnerships and synergies between local and municipal government and other actors in the area (e.g., universities, private sector, civil society) to foster active and constant participation to solve local challenges.

Citizen focus. Setting it apart from other smart city projects, Smart City Gran Concepción does not seek to impose heavy, high-cost and top-down solutions, such as city management platforms, sensor networks or communications infrastructure. To the contrary, Smart City Gran Concepción leaves it to the citizens and other city actors to *understand* their priorities and requirements and to *actively respond* to them in real time, *generating confidence dynamics and involving these actors* in work that complements and multiplies the local and municipal governments' actions.

Focus on cost efficiency. To achieve this, the activity centers as a launching point on making use of existing infrastructure in the area, primarily mobile telephony infrastructure, that facilitates an interaction with city actors in real time using cost-efficient technological tools developed rapidly (e.g., mobile applications) combined with the application of co-creation dynamics and the collaborative cooperation of various agents in the city.

Pilot activity for Transport. Smart City Gran Concepción is a pilot activity in Chile carried out with the Ministry of Transport and Telecommunications. The thematic intervention is transport and mobility, with the possibility of being expanded later to other areas depending on the results.

Methodologies and phases. Smart City Gran Concepción is composed of methodologies and elements that have been implemented successfully in cities throughout the European Union and United States and are framed through the development of four sequential operational phases:

1. Co-design of **mobile applications** with local and municipal government officials in the area of transport to resolve their daily technical challenges.
2. Cooperative development of a **vision for the future and roadmap** of mobility in Gran Concepción, involving local and municipal government, citizens, the private sector and civil society.
3. **Co-creation competition and citizen engagement** to develop solutions to the city's transport challenges, such as improving travel behavior and the public transport experience.
4. Co-design with city actors of an **urban innovation center** to solve local problems and to involve citizens in overall participation of all actors in the area.

Sustainability. The operational framework is designed to provide training to technical officials in the local and municipal government and to develop networks of confidence and involvement among other municipal actors while the activity is implemented, helping to achieve a stronger impact and reinforcing the activity's sustainability.

National scalability. At the end of the activity and once its impact has been validated, a national workshop will be conducted to disseminate this smart city focus among the other communities of Chile and to evaluate its scalability to the national level.