

L'Aquila



Living lab for crafting a city 4.0

Vision

Transforming L'Aquila into a living lab for research, development and deployment of services and products using the cutting-edge technology deployed or under deployment in the city.



69,753

Population



57,2%

Employment Rate

3/9

Digital Maturity

Key sectors of the local economy:

- Construction
- Retail
- Hotels and restaurants
- Business services
- Health

What are the future goals?



L'Aquila aims to become a Smart City by focusing on 6 major policies namely Smart Economy, Smart Mobility, Smart Environment, Smart People, Smart Living and Smart Governance, developed in the frame of a living laboratory model.



Further increase the involvement of citizens as a key element of the living lab, pushing the city to wisely and deliberately address its digital path regarding social cohesion, environment, energy, transportation, etc.



The digital infrastructure gap will be reduced by making a more efficient and secure power grid thanks to automated management and setting up a global fiber optical network locally and across the region. The installation of an intelligent public lighting system along a 4-5 km circular path. The development of 5G enabled use cases (E-Health, structural health monitoring, ICT for cultural heritage). Narrow Band IoT for smart city applications (e.g. structural health monitoring).



To built up an ecosystem favorable to the creation of new business opportunities linked to the innovative technological elements of 4.5G and 5G, thus attracting public and private investments.



Foster the inclusion and the accessibility in the digital area is part of L'Aquila priority. Part of the overall digital development will focus on the support of e-commerce and public body planning competences.

What is happening today?



In compliance with the European Digital Agenda, L'Aquila started its digital transformation in 2014 with the "Agenda Digital Regione Abruzzo 2014-2020" plan to move towards a knowledge-based economy. So far, early findings show that citizens need to be actors and not receivers of the change by proactively identify the needs and opportunities, proposing solutions, planning activities and evaluating results.

Moreover, the City together with its University decided to address the reconstruction towards an innovation based approach, compliant with the local vocations - Living Laboratory.



An agreement with an electricity provider has been concluded to raise consumption awareness and promote a sustainable mobility through electric cars.

A national research agency is equipping a designed area of the city with two large screens which will display social networking activities about the city initiatives and events entered by citizens through a portal and an app.



A publicly-used infrastructure network for charging electric vehicles has been deployed.

Open Fiber, a fiber optical network provider, is developing a Fiber To The Home (FTTH) access network solution for the City.

L'Aquila is involved in a 5G pilot project with a major telecommunication provider and other qualified partners (5G trial cities).

The University of Aquila is implementing an experimental infrastructure for innovative optical and wireless technologies as well as smart city solutions.



European, regional and national resources are financing the initiatives; Special funding for the areas hit by the earthquake.



European Commission

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