



PILOT PROJECT SCM

**‘Exploitation of ICT technologies to
support Smart city activities’**

JA9 - Maribor cluster set-up

PP E-zavod & PP MOM

July 2015, Maribor



Main aim

Cities and urban areas are expanding all around the world due to urban growth and migration. The increase in population increases the demand on the base infrastructure of each city. For instance demand for water and energy increase due to the increased consumption. There is also an increased need for higher public transport capacities, as well as increased demand on health institutions and service established for protection (police, firefighters, paramedics). Forward-thinking cities are trying to take advantage of new technologies, skills and knowledge originating mainly from ICT, such as cloud technologies, the Internet of Things and migration to big open data. Namely, forward thinking authorities recognize that in spite budget cuts and scarcity of cities resources and potential (including infrastructure) the new technologies offer not only challenges but also several opportunities. By migrating to big open data and development of feature analytical tools stakeholders may gain a deeper insight into internal workings of different city's potentials. The IoT phenomena allows them acquire and combine data from various existing and new sensors and data sources in order to obtain even more information about cities potential. The Cloud technology then allows them not only to share information but to develop composite applications ensuring joint participation and facilitate the creation of joint activities benefiting both public and private stakeholders.

The main objective of the initiative is to develop a technological framework for smart cities (platform and a pilot smart city of Maribor), which will exploit new technologies (ICT and social) in order to increase the potential and attractiveness of a city in an environmentally friendly way, and thereby create new business opportunities for public and private stakeholders as well as benefits for final users (citizens, tourists and visitors). In order to achieve the specified goals and challenges of urban information model the consortium foresees research & development activities being carried in on cloud solutions supported with big open data in the following areas: smart energy, smart infrastructure, smart buildings, smart mobility, smart health, smart education and government and smart security.

Results

- Pilot project is one of the 4 identified pilot projects in the framework of SCM. 11 stakeholders of the SCM cluster participate (companies, university and technology park).
- Project concept was presented on national event for development of Slovenian Smart strategy specialization, on 16th of June 2015, in the framework of strategy priority 'Healthy working and living environment', including smart cities and communities, smart buildings and homes.

Further steps

- Development of the smart home project in the form of a living lab / demo centre where the developing / test / demonstrate primarily services the user interaction. The project does not require major infrastructure investments.
- Project integration of communication with end users of public infrastructure (energy, water, transport, etc.)