Abstract

In the last decade Information and communication technologies (ICT) have become an important tool for socialization. More and more people build and maintain relationships through various social media and increasingly this influences the way they organize their daily lives and how they use the city and its spaces. However, the quality of public open spaces remains fundamental for the development of the cultural identity of a community, as they are important gathering points in the urban fabric and offer occasion for interactions and collaborations between generations and different ethnic diversities. People of all ages still need contact with nature and with other people, in order to develop different life skills, values, attitudes to health, satisfaction with their lives and responsibility towards the environment.

ICTs allow the development of strategies and tools to increase the quality of public open spaces, positively influencing participatory co-creation and the effects of social cohesion.

New ways of cooperative co-creation must be considered, in particular by using ICT to facilitate
community interaction and engagement for the integration of diversity, and identifying social needs in open public spaces, aiming at the development of vibrant and accessible urban communities.

ICT gives also the opportunity to the urban communities to improve sustainability.

This paper presents best practices and new ICT solutions for enjoyable, inclusive, participatory, sustainable urban spaces.

References

7. C3PLACES, H2020 ERA-NET Cofund Smart Urban Futures project, https://c3places.eu/
12. Gordon, S. 2017. Online Communities as Agents of Change and Social Movements. IGI Global, Hershey PA.

**Index Terms**

Computer Science | Information Sciences

**Keywords**

Sustainability, co-creation, public places, EV mobility, micro smart grid.