



Project no. 691735
REPLICATE PROJECT
Renaissance of Places with Innovative
Citizenship And Technology



This Project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement N° 691735

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Renaissance of PLaces with Innovative Citizenship And Technology

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H2020-SCC-2015 Smart Cities and Communities

Innovation Action (IA)

D6.7 Mobile network for Smart Cities, based on PostWIMAX infrastructure

*The report is confidential, only the
Executive Summary is public*

Due date of deliverable: 31/01/2019

Actual submission date: 01/12/2018

Start date of project: 01/02/2016 Duration: 60 months

Organisation name of lead contractor for this deliverable: Sistelec
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PU	Public	
CO	Confidential, only for members of the consortium (including the Commission Services)	x

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Executive Summary

REPLICATE proposes a wireless technology to strengthen mobile network for Smart Cities, based on a wireless broadband infrastructure. The aim of this deliverable is to analyse different scenarios for each lighthouse cities, studying the feasibility and deployment of a high-efficiency wireless broadband network, that will be neutral and multiservice.

The wireless broadband network will be multipurpose and can be used for different applications within the municipal environment. The deliverable includes preliminary engineering deployment and a theoretical coverage calculation for each lighthouse city, considering the following concepts:

- Communications backbone
- Last mile network.
- Capacity and traffic.
- Design of test cases

The main purpose of this document is to describe how the wireless broadband network deployed in San Sebastian could be replicated to other lighthouse cities as Bristol and Florence.

The content of this deliverable contains a theoretical radio coverage study with information purposes and not for deployment.