



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

REPLICATE PROJECT

Renaissance of PLaces with Innovative Citizenship And Technology

Project no. 691735

H2020-SCC-2015 Smart Cities and Communities

Innovation Action (IA)

D4.3 Pilot action progress report year 2

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

Due date of deliverable: 31/01/2018

Actual submission date: 02/02/2018

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

60 months

Organisation name of lead contractor for this deliverable:

City of Florence

(Draft/Proposal/Accepted/Submitted):

Submitted

Project co-funded by the European Commission within the 7 th Framework Programme		
Dissemination Level		
PU	Public	
PP	Restricted to other programme participants (including the Commission Services)	x

Editor/Lead beneficiary:	City of Florence
Internal reviewed by:	Fomento de San Sebastián



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

Executive Summary

The “progress report year 2” aims to resume the activity done in Florence pilot action and to monitor the advancement of the project measures in order to be aware about the status of the art, the progress achieved and the respect of the project schedule. In these first two years the feasibility and design of the interventions have been done: this activity took a bit more time because the feasibility studies included in the proposal idea have been adapted and reviewed following the upcoming needs and the evolution of the technologies. After 24 months, there are some interventions that have been tested (i.e the smart bench and smart bins) or started or even completed in advance (i.e. the super-fast recharge and number of taxi already on the road or the smart grid or the APPs) and other that are delayed in time (i.e. the DH and storage) due to new national administrative rules on procurement process and financial constraints. The remaining interventions, foreseen for the end of the 3rd year, are expected to be on time (i.e smart lighting) as they are actually being placed and tested (i.e. the mock-up of the Replicate dashboard based on km4city ontology). This will impact the monitoring phase expected in the last 2 years of the project since some interventions will be monitored in advance (i.e. e-mobility) and others will start in different phases during the last 2 years, ensuring anyway the possibility to test the result of the action and do the bench marking. Due to the complexity of the pilot, each measure has been described in a dedicated section where the synergies and links with other actions are reported. The overview is covering the following aspects:

- Piagge - buildings retrofitting & generation plants (solar thermal, storage, district heating network)
- smart grid
- E-mobility: very fast recharge & E-taxi fleet, public recharging network
- Smart public lighting
- the ICT platform and the Smart City Control Room
- IoT implementations
- the APPs