

<b>Title of proposed project</b>	<b>SMARTMED</b>
<b>Call for proposal, incl. reference no</b>	LC-SC3-SCC-1-2018-2019-2020: Smart Cities and Communities <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-scc-1-2018-2019-2020.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-scc-1-2018-2019-2020.html</a>
<b>European Funding programme</b>	HORIZON 2020
<b>Deadline of the Call for proposal</b>	05 April 2018
<b>Deadline for the expression of interest to join and call deadline</b>	26 February 2018
<b>More information on the call</b>	Scope: Integrated innovative solutions for Positive Energy Blocks/Districts will be developed and tested and performance-monitored in the Lighthouse Cities. Projects will consider the interaction and integration between the buildings, the users and the larger energy system as well as implications of increased electro-mobility, its impact on the energy system and its integration in planning. Lighthouse Cities will closely collaborate with the Follower Cities and should act as exemplars helping to plan and initiate the replication of the deployed solutions in the Follower cities, adapted to different local conditions. As a sustainable energy transition will see increased electro-mobility, its impact on the energy system needs to be understood and well integrated in planning.
<b>Description of your project idea incl. theme and activities</b>	Rome has identified a strategic area which is a complete metaphor of a larger District; it contains heterogeneous residential blocks, a large public hospital, several schools, university colleges and laboratories, economic activities, a large sport center and wide green areas and one of the main rail station of the city. It is located in the proximity of the city center but presents typical tracts of the peri-urban and transition areas with some consolidated urban patterns and a development plan (SDO) for many new buildings and activities; finally it represents a typical zone with high transformation potentiality. It appears to be a formidable test bench for the design, the realization, the validation and the monitoring of new technologies and of urban socioenergetic strategies toward Positive Energy Blocks and Districts (PEBs and PED) that could lead the area of Pietralata-Tiburtina to be the first Smart Energy District in Rome. This large area will be interested by the project activities with progressive target perimeters and milestones, and it will contain the PEBs - Positive Energy Blocks - where the Smart Grids will be put into operation integrating several innovative solutions, mainly based on low enthalpy geothermal plants, smart sharing renewable electric islands and energy storage systems.
<b>Further partners being sought: What type of partner, which roles in the project?</b>	Follower cities

<b>What are the financial conditions of participation?</b>	Indicatively, between EUR 0.5 and 1.0 million for a follower city.
<b>Foreseen project duration</b>	Projects will have a duration of 60 months.