

## Call title

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-ee-4-2019-2020.html>

## Types of partners sought

Lead partner and partners, we see the City of Lund as a test arena.

## Description

The City of Lund is interested in joining and co-creating a project proposal for the above mentioned call "*Upgrading smartness of existing buildings through innovations for legacy equipment*". Like many European cities and municipalities the existing municipal building infrastructure is old and has a low energy efficiency level. New technology advancements enable us to make these older buildings smarter and more energy efficient. Internet of things, sensor technology, advanced data collection, analysis and remote automatic steering are examples of methods that are now possible.

Possible environmental and energy benefits foreseen by a project:

- Energy optimization of buildings through involvement of users by adapting the HVAC based on actual usage.
- Area optimization of buildings through smarter usage of existing building stock
- The possibility to make conclusions of whether discrepancies in energy performance between predicted and measured values are due to the construction, the users or the building operation. This will affect both the development of new technology and methods as well as user behaviour.
- The possibility to follow up indicators in buildings certification system.
- Decreased transportation need and a lower risk of performance deterioration of surveying installations and equipment on-site. This will be created by enabling surveying on distance and through automatic systems.
- Business models and exploitation strategies that clearly shows the cost benefits for different energy measures in a real and active environment such as schools and other public buildings.

We imagine a project consortium consisting of cities, municipalities, regions, innovative SME:s or large corporations and academia. The public sector organisations would work as arenas for testing the technology, most probably developed by SME:s or researchers. To ensure the methods and technologies actual contribution to energy efficiency and practical usefulness the project should be evaluated by researchers or likewise.

## Working group:

In priority Energy & Climate, ICT, Smart city, Innovation & investment

## Deadline of the call:

03 September 2019

## Financial aspects:

The Commission considers the proposals requesting a contribution from the EU of between 3 to 4 million would allow this specific challenge to be addressed appropriately. Nonetheless this does not preclude submission and selection of proposals requesting other amounts.

## Contact person

Elin Dalaryd, Policy Officer – Energy, Service Department, City of Lund, +46 (0) 46 4701,  
[elin.dalaryd@lund.se](mailto:elin.dalaryd@lund.se)

Tommy Bengtsson, Policy Officer – External funding, City Office, City of Lund, +46 (0) 46 6045,  
[tommy.bengtsson@lund.se](mailto:tommy.bengtsson@lund.se)