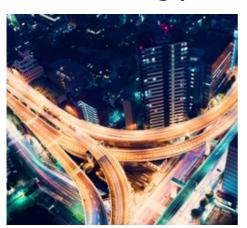






A turning point for smart cities



REMOURBAN is a lighthouse project whose ultimate goal is to design and validate a urban regeneration model in the cities of Nottingham (UK), Valladolid (Spain) and Tepebasi/Eskisehir (Turkey), while maximizing its replication potential in two follower cities, Seraing (Belgium) and Miskolc (Hungary).

The model leverages the convergence between energy, mobility and ICT to improve quality of life, ensure social acceptance and empower citizens. **REMOURBAN** will test a range of technical innovations and solutions as well as new business models for city renovation and strategies addressing non-technical barriers.

Reach a resource efficient and competitive future

Develop and demonstrate a holistic and highly replicable urban regeneration model to

- leverage the convergence of energy, mobility and ICT
- accelerate the development of innovative technologies, organisational and economic solutions
- increase resource and energy efficiency improve the sustainability of urban transport and drastically reduce greenhouse gases (GHG) emissions in urban areas
- · facilitate replication across Europe
- empower citizens to be actors in their cities' transformation



Drive urban innovation

Interventions and expected impacts

Low Energy Districts

Sustainable Mobility

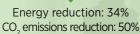
Integrated Infrastructures



Retrofitting, renewable heating and cooling, distributed energy generation, monitoring tools for energy efficiency, electricity distribution and advanced building energy management systems

CURRENT DISTRICTS

4,500 kWh/person-yr 1,485 kg of CO₂/person-yr





Clean energy vehicles, renewed transport infrastructures and plans for reduced energy consumption and CO₂ emissions

CURRENT MOBILITY

8,340 kWh/person-yr 2,752 kg of CO₂/person-yr



Energy reduction: 5,1% CO₂ emissions reduction: 5%



Smart grid connectivity, city information platforms, optimized traffic flows, multi-modal transport solutions and collaborative information transfer

Enabling factors for urban sustainability



Identification of principal non-technical barriers to improve urban sustainability and transition to smarter cities, optimized regulatory frameworks and engaged citizens

Lighthouse cities

Delivering urban transformation and renovation



Valladolid (Spain)

Administrative capital of Castilla y Leon Population: 310,000

Impact:

avoided

50% energy savings

80% emissions 5,700 citizens involved

Nottingham (UK)

One of the major cities in the Midlands Population: 306,000

Impact:

50% 26% energy

savings

emissions

citizens avoided involved

8,100





Tepebasi/Eskisehir (Turkey)

The second biggest city in Middle-Anatolia Population: 315,000

Impact:

53% energy savings

63% emissions

avoided

6,000 involved

Follower cities

Ensuring results and replicability



Miskolc (Hungary) A national smart city flagship Population: 163.000



Seraing (Belgium) An industrial city with vast urban regeneration plans — Population: 61,000



Regenerate your city with REMOURBAN













































www.remourban.eu

Project Coordinator: Miguel Á. García Fuentes
Deputy Coordinator: Cristina de Torre
CARTIF Technology Centre
contact@remourban.eu

Dissemination & Communication Secretariat: youris.com secretariat@remourban.eu



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