

PARTNER SEARCH

General	
Policy Area/key words	Smart energy solutions, sustainable energy system, sustainable mobility system, city centre, rebuilding, smart welfare services, smart citizens
EU-programme:	ERA-NET Smart Cities and Communities (ENSCC) (Call opens December 2014)
Call:	Third Call ERA-NET COFUND Smart Cities and Communities <small>Joint Call of the JPI Urban Europe and the Smart Cities Member States Initiative</small>
Application deadline	Call open: December 2014; 2-stage proposal Pre-proposal deadline: End March 2015
Lead partner (incl. type of organisation)	Gjesdal Kommune/Municipality of Gjesdal. Number of inhabitants: 11.500, with a 2,6 % average growth over the last 10 years.
Lead region/country	Norway / Rogaland
Target partners	<ul style="list-style-type: none"> • Other municipalities with plans of transforming or rebuilding / rehabilitation of urban areas in terms of sustainable energy system and transportation concept • industries working on sustainable energy and mobility solutions and systems integration including integration of public services like waste management and welfare services • supplementary R&D especially in the field of user participation and models for the involvement of all stakeholders, development of management solutions, economical analysis of different management systems
Additional information	

Project details	
Project title	Sustainable Interdisciplinary Action towards Integrated Smart Cities
Project idea	<ul style="list-style-type: none"> • The project aims to develop and implement a new holistic sustainable energy system concept in city areas, closely integrating the elements of generation, conversion, storage and use of energy. The focus is on making use of locally available sustainable energy sources for building and transport. The pilot of Gjesdal municipality will be the town of Ålgård. • It also aims to develop smart integrated mobility solutions significantly cutting down the mobility connected CO₂ emissions by for example using parking space outside the city centre, establishing smart transport systems to the centre and furthermore to regional centres outside our municipality. It is targeting the concepts of integrating car and electric bike sharing concepts and the smart management of these systems by mobile apps. • A third target could be an even more integrated smart cities approach by including smart homes and other public services, especially welfare services for example for elderly people

	<p>It will be an interdisciplinary approach of technology, social science and politics involving all stakeholders throughout the entire project. Furthermore, it will be develop and continuously improve concepts, methods and tool sets throughout the project by making use of lessons learned. Involving all stakeholders throughout the entire project will ensure not only installing technologies but also ensuring that especially the already established businesses and residents use them , Flexibility to cope with upcoming future changes and requirements is another key element of the project</p> <p>The primary objective is to successfully develop and implement integrated, sustainable and smart energy and mobility systems, integrating all stakeholders while generating necessary knowledge, methods, tools and processes.</p> <p>In order to achieve the primary objective by addressing issues from different perspectives secondary objectives of the project are:</p> <ul style="list-style-type: none"> - Technical concepts to achieve 30-40% increased utilisation of locally available renewable energy resources and at least 30% increased energy efficiency. - Reducing local fossil fuel based traffic down to at least 50% by increasing the use of public transport and motivating for cycling and walking. - Technical concepts to establish parking outside the city centre and provide smart transport solutions to the centre. - Strengthening acceptance and ownership of the concepts by all stakeholders involved (builders, businesses, owners and residents). - Selection of the most successful political requirements and incentive schemes to motivate implementation and efficient use of the integrated, smart systems. - Establishment of a framework promoting and supporting the interdisciplinary approach for knowledge development and its usage for other projects. - Implementation of the selected technical concept / system and continuous feedback of the findings to optimise methods, tools and processes. - Dissemination of the results to all stakeholders via publications, training and educational programs, using Ålgård centre as a showcase. - Continuous feedback of the findings and experiences during implementation in further sharpen the developed methods and tools
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Established partners	<p><u>Established:</u> Gjesdal Municipality, Rogaland fylkeskommune/County council of Rogaland, International Research Institute Stavanger, University in Stavanger, ACEnko; Fatih University Istanbul (Turkey)</p> <p><u>In discussion with:</u> Telenor, others in Finland, Spain and Belgium</p>
Budget details	<p>Max project size: Varies according to country. For more information about your country, visit: http://jpi-urbaneurope.eu/information-enscc/ . Gjesdal municipality provides own funding with approximately 12, 5 mill. Euro.</p>

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