

Call: Project applications dealing with the challenges to achieve more resource and energy efficient buildings

The Swedish Energy Agency invites proposals for research and innovation projects within a broad range of subjects contributing to resource and energy efficient buildings. There are many challenges on the road to more resource and energy efficient buildings. The residential and service sectors account for nearly 40 percent of the total final energy use and 50 percent of the total electricity use in Sweden. Accordingly, efficient and sustainable energy use within these two key sectors is important for achieving a more sustainable energy system. The application deadline is November 1, 2016, at 13:00.

The residential and service sectors involve many actors with different roles, responsibilities and competencies. There is need for increased knowledge and energy efficient technologies and processes in many parts of the sectors.

The challenges that the residential and service sectors are facing concerns not only Sweden, but are of international character. Therefore, we also welcome **international cooperation projects** on research and development in the field of resource and energy efficient buildings.

The call has a broad focus on the area of resource and energy efficient buildings

The Swedish Energy Agency welcomes applications for research, development and demonstration projects in a wide range of areas to meet the challenges to achieve more resource and energy efficient buildings, including cities and neighbourhoods, focusing on more resource and energy efficient operation and maintenance of technical installations, energy use patterns and behavioural issues linked to buildings.

We welcome applications with a multidisciplinary approach that include both social and engineering sciences.

In this call, we particularly welcome applications within the following areas:

- Market based **policy instruments** dealing with how to achieve a sustainable and energy efficient building stock
- Applications related to the ongoing activities in the already established networks and **innovation clusters**, which act as meeting places and platforms for stakeholders from the government, industry and academia to together develop energy efficient solutions and create and demonstrate good examples.
- Applications within the area of **lighting**, aiming at developing new methods to improve the energy efficiency of lighting systems.

Projects can start December 15th 2016 (or later), and last no longer than until December 31st 2020.

How to apply

Applications should be submitted through the Swedish Energy Agency's electronic application tool [E-kanalen](#) (in Swedish) no later than **November 1, 2016, at 13:00**.

Applicants are kindly recommended to create an account at E-kanalen in advance, as the activation may take a few days. .

The application should include:

- A clearly defined purpose
- A description of the project's energy relevance and its potential contribution to energy-efficiency
- Measurable objectives formulated in such a way that they can be met under the project duration
- A description of the current state of research, both nationally and internationally, and an analysis of how the proposed project contributes to the existing knowledge.
- A description of the selected methodology and a concrete plan presenting the stages of the project and the involved actors (e.g., divided into work packages)
- A communication plan for the dissemination of the results, where the recipients are clearly stated and the communication activities for them to take part of the projects' results are described.

Evaluation criteria

Proposals will be evaluated based on the following criteria:

Potential

- The relevance of the project for the transition to an energy- and resource-efficient building sector, including the service and residential sectors
- The energy-efficiency potential of the project (if possible, express this in kWh/year)
- The extent to which the project can be useful, for example through enhanced knowledge, publications, new products, services or processes and commercialization
- What is new with the project in relation to the state-of-the-art. Is there an identified need for the project, for example, a clear knowledge gap or market potential?

Feasibility

- Research/work quality (background to the study, problem analysis, chosen methodology)

- If the project has measurable and well-defined objectives
- If the proposed work plan is well-defined and can be achieved within the proposed time frame
- Reasonableness of the budget in relation to the intended operations and objectives
- The project's ambition to communicate the results. Is it clear how the results should be communicated? Is there a communication plan?

Actor constellation

- If the participants have the right skills and resources to implement the initiative
- How the recipients of the results are involved in the project.

Decisions on allocation

The Swedish Energy Agency may request the submission of additional material and/or an updated application. The request may concern, e.g., increased co-financing requirements, changes in the project plan or detailed description of the project idea. Applications will be evaluated by the Swedish Energy Agency. The final decision will be made by the Swedish Energy Agency in December 2016 at the earliest.

Contacts

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