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Horizon 2020 Energy Efficiency Call for Proposals 2019

Socio-economic research conceptualising
and modelling energy efficiency and
energy demand (EE-14)

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EASME B1 – H2020 Energy

Energy

Challenge

- European Union Strategy and Clean Energy for All Europeans:
 - Energy Efficiency recognised as an energy resource in its own right
 - to compete on equal terms with generation
 - to have primary consideration in (MS) policies
- However, not sufficiently understood and taken into account in financial and political decision making:
 - the structure of energy demand
 - the real value of energy efficiency & energy and non-energy impacts

Scope

The proposed action should:

deepen the demand side-related parameters in existing models

include new aspects and data sources

allow to make better projections inside energy policy development

inform policy making at all levels

Type of action RIA (100%)

Expected EU-contribution:

≈ EUR 1-2 M

Total budget available:

EUR 4 M

Opening: 12 March 2019

Deadline: 3 September 2019

Scope

The developed models and/or methodologies should:

be compatible with the energy models most commonly used at European level

model more accurately those aspects not yet sufficiently considered in the existing models

make use of new data sources, including big data as for example generated by smart meters, smart buildings and smart equipment

identify and refine the structure and patterns of demand and how it will develop

contribute to an enhanced demand-side model to be consistently used at European level

Impact

Proposals are expected to demonstrate the impacts listed below, using quantified indicators and targets wherever possible:

- More accurate and holistic mapping and modelling of the demand side and to a better assessment of energy consumption trends for different categories of economic agents;
- More accurate follow-up of energy efficiency measures implemented at the demand side;
- Better assessment of demand-side policy needs at European level.



On-going projects submitted under the Socio-Economic Research topic in 2016



Thank you!

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www.ec.europa.eu/easme/energy



Upcoming projects

- **Energy Efficiency First in practice**

Clarifying the Energy Efficiency First principle, reviewing global best practices, analysing their potential implementation in European Member States in a qualitative and quantitative (model-based) manner, with a focus on the building sector.

- **Energy Efficiency First support tool**

Quantifying the potential of energy efficiency measures in the building, transport and industry sectors, combining them with existing sector-dedicated models with temporal and spatial analyses to develop a decision support tool.

- **Energy Efficiency First in local administrations**

Developing a decision-support tool to help local administrations in collecting and processing their building data towards assessing the impact of energy efficiency measures and prioritising them in planning, renovating and constructing buildings.