



#H2020Energy

Horizon 2020 Work Programme for Research & Innovation 2018-2020

Energy Consumers and Energy Services

International Brokerage Event:
"Cities of the Future 2017"
26th of October 2017, Brussels

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Enterprises (EASME)

Research and
Innovation

EASME

Executive Agency for Small and Medium-sized Enterprises

The EASME manages programmes on behalf of the European Commission, turning EU policies into action.

European Commission

Enterprise Europe Network
@EEN_EU

COSME the EU programme for the Competitiveness of SMEs € 0.8 BN*

Horizon 2020 SME Instrument
@H2020SME € 3.1 BN*

Horizon 2020 Energy Efficiency
@H2020EE € 0.8 bn*

EU Sustainable Energy Week (EUSEW)
@euenergyweek

Intelligent Energy Europe (IEE)

CIP Eco-innovation

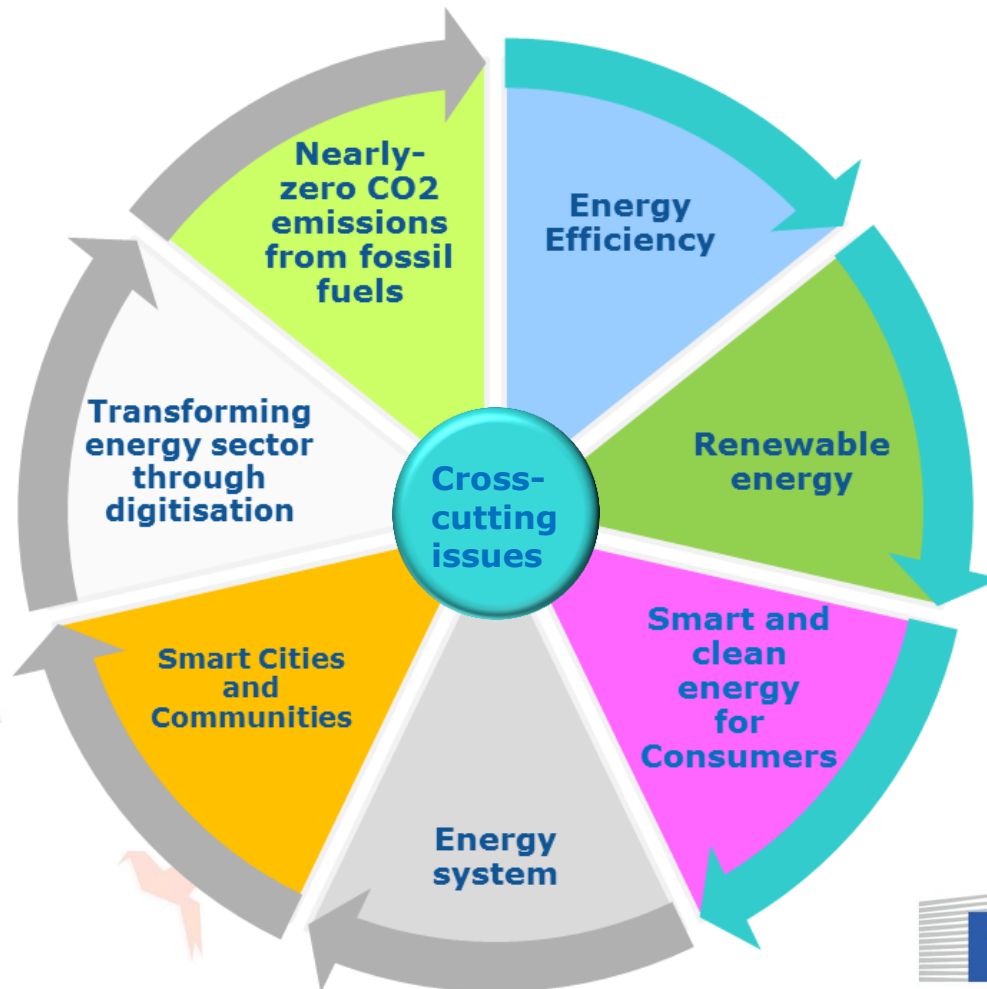
LIFE the EU Programme for the Environment and Climate Action
@LIFE_Programme € 3.1 BN*

The European Maritime and Fisheries Fund (EMFF) € 0.34 BN*

Horizon 2020 Climate action, environment, resource efficiency and raw materials
@EU_ecoinno € 2.7 BN*

Sustainable Industry Low Carbon II (SILC II)

Societal Challenge 3 - Secure, clean and efficient energy



Overview of the Call 2018 topics



Buildings



Consumers
& Services



Industry



Financing
Energy
Efficiency



Public
Authorities
& Policy Support

Digitisation

Innovation Actions

EU Support: 70%
1 to 6 M€ / project

EE01

EE06

DT-ICT-10

Coordination & Support Actions

EU support: 100%
0.5 to 2 M€ / project

EE02
EE05

EE13
EC1
EC2

EE08

EE09
EE10
EE11

EE16
EE15

EE14
(RIA)



European
Commission



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**The role of consumers in
changing the market through
informed decision and collective
actions (EC1)**

Research and
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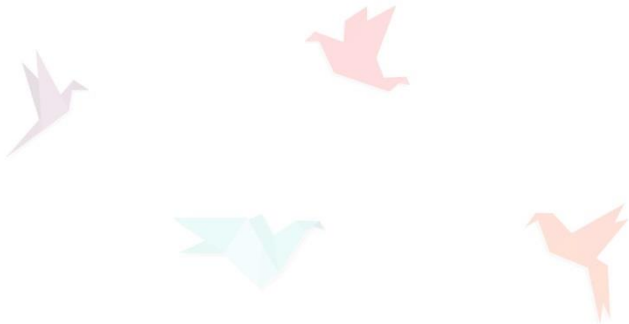
EC1 - The role of consumers in changing the market through informed decision and collective actions

2018:

Informing and motivating consumers to change old and inefficient appliances to more efficient ones

2019:

Set up and/or support consumer cooperatives, collective purchase groups and/or other collective actions to increase energy efficiency and/or optimise energy management within the community



Challenge

- A big share of installed appliances is inefficient and fossil-fuel based (e.g. boilers for space and/or water heating)
- Informing consumers of the potential energy savings and their related benefits can result in increased motivation for replacing these



EC1-2018: Energy consumers and installed appliances

Scope

- Develop activities informing and motivating consumers to change old and inefficient installed appliances
- Focus on highest energy saving potential (e.g. boilers, local space heaters, air heaters)
- Address financial aspects (cost savings, payback period) and multiple benefits of energy efficiency improvements (e.g. improved air quality)

Type of action: CSA (100%)

Expected EU-contribution \approx Euro 1-2 million.

Total budget available: EUR 5 Mio

Opening: 25 January 2018

Deadline: 4 September 2018

Scope

The proposed action should:

- Build on experience and lessons in other relevant programmes (e.g. DE and AT national initiatives, H2020 projects on energy efficient appliances)
- Involve all relevant stakeholders and relevant consumer organisations
- Tackle consumer data ownership and privacy (where relevant)
- Address the risk of "rebound effects" (where relevant)



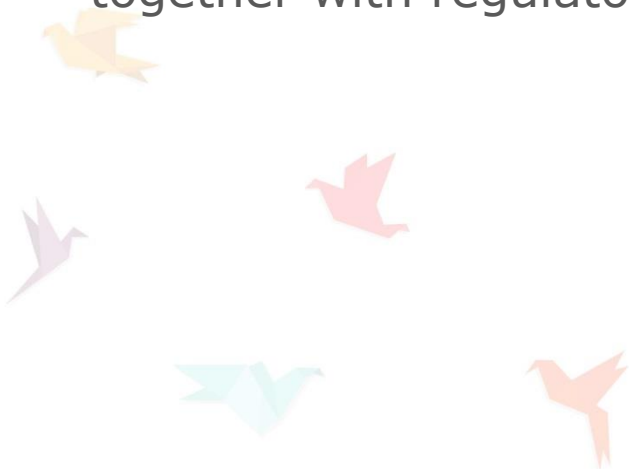
Impact

Proposals are expected to demonstrate impacts depending on the scope addressed:

- Primary energy savings triggered (in GWh/year)
- Increase domestic uptake of energy efficient products and services
- Involvement of at least 5.000 consumers per million Euro of EU funding
- Investments in sustainable energy triggered (in million Euro)
- Contribution to reducing regulatory barriers and improving contractual conditions

Challenge

- Different forms of collective action have the potential to assist consumers in forming critical mass and to facilitate increased uptake of energy efficiency and active demand solutions and services
- Lack of awareness on the potential benefits of such actions, together with regulatory barriers, hamper their full development

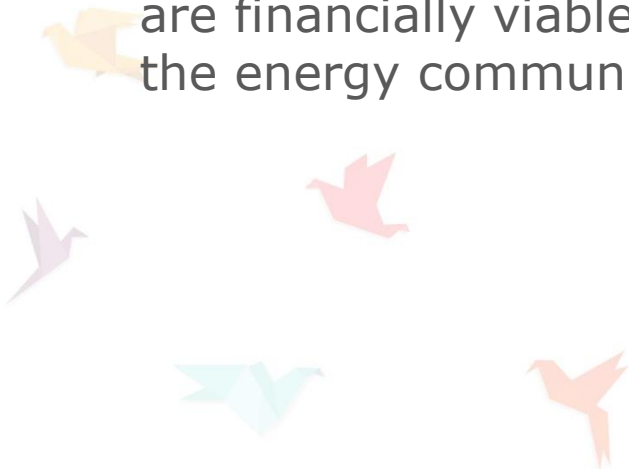


Scope

Set up and/or support consumer cooperatives, consumer purchase groups, and other collective actions to increase energy efficiency and/or optimise energy management in energy communities

The proposed action should:

- Identify and address regulatory barriers and contractual conditions for cooperative actions
- Demonstrate that collectively organised energy-related actions are financially viable and attractive to the consumer-members of the energy community



Impact

Proposals are expected to demonstrate impacts depending on the scope addressed:

- Primary energy savings triggered (in GWh/year)
- Investments in sustainable energy triggered (in million Euro)
- Contribution to reducing regulatory barriers and improving contractual conditions
- Involvement of at least 5.000 consumers per million Euro of EU funding
- Increase domestic uptake of energy efficient products and services



Past projects

Relevant IEE projects <http://ec.europa.eu/energy/intelligent/projects>

Relevant H2020 projects http://cordis.europa.eu/projects/home_en.html

Collective actions and prosumers

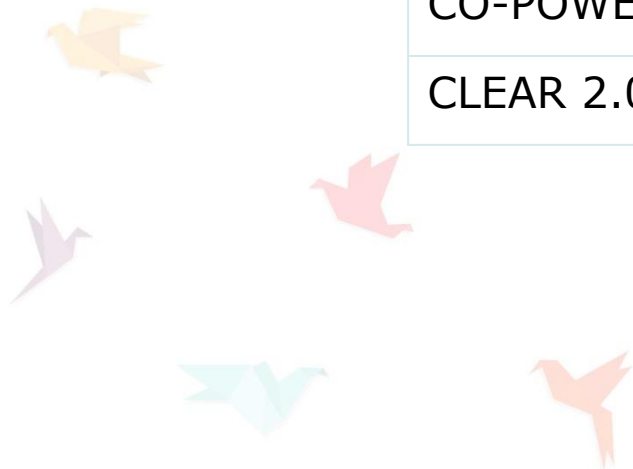
RESCoop Plus

CLEAR

Rescoop 20-20-20

CO-POWER

CLEAR 2.0





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Mitigating household energy poverty (EC-2)

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Challenge

- More than 50 million Europeans are affected by energy poverty
- Low income and poor thermal insulation of buildings
- Efficiency measures at the household level and increased use of renewable energy can be tools to address the energy poverty



Scope

The proposed action should:

- Contribute to actively alleviating energy poverty
- Develop a better understanding of the types and needs of energy poor households and how to identify them
- Build on existing initiatives (e.g. European Energy Poverty Observatory)

Type of action CSA (100%)

Expected EU-contribution: \approx Euro 1-2 million.

Total budget available: EUR 5 Mio

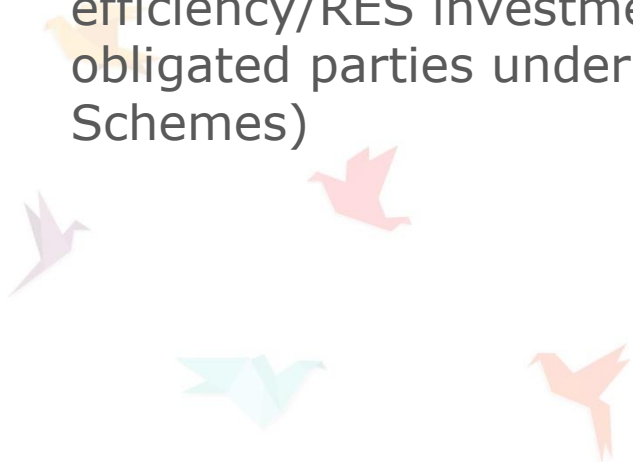
Opening: 25 January 2018

Deadline: 4 September 2018

Scope

The proposed action should cover one or more of the following:

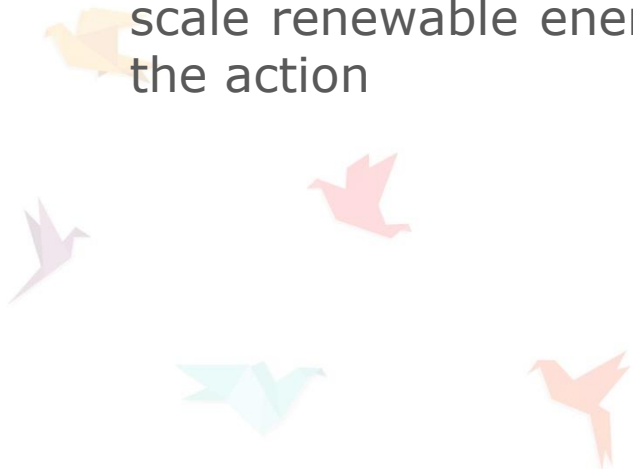
- Facilitate behaviour change and implementation of low-cost energy efficiency measures tailored for energy poor households
- Support the set-up of financial and non-financial support schemes for energy efficiency and/or small scale renewable energy investments for energy poor households
- Develop, test and disseminate innovative schemes for energy efficiency/RES investments established by utilities or other obligated parties under Article 7 (Energy Efficiency Obligation Schemes)



Impact

Proposals are expected to demonstrate impacts, as relevant:

- Primary energy savings triggered by the project (GWh/year)
- Investments in sustainable energy triggered (in million Euro)
- Contributions to policy development and to best practice development on energy poverty
- Involvement of at least 5,000 consumers per million Euro of EU funding.
- Support schemes established for energy efficiency and/or small-scale renewable energy investments and to be sustained beyond the action



Past projects

Relevant IEE projects <http://ec.europa.eu/energy/intelligent/projects>

Relevant H2020 projects http://cordis.europa.eu/projects/home_en.html

Energy Poverty

ASSIST

SMART-UP

FIESTA

TRIME

EC-LINC

ACHIEVE

REACH

Lessons learnt

- Do not replicate previous action - build on them!
- Consider European added value of proposed action
- Relevant stakeholders necessary for the successful implementation of the action should be involved
- Demonstrate how you intend to identify and have access to participating households
- Impact is crucial:
 - Substantiate the foreseen energy savings (present clear baselines, benchmarks and assumptions)
 - Demonstrate a clear link to the proposed activities

EASME

Executive Agency for Small and Medium-sized Enterprises

THANK YOU FOR YOUR ATTENTION

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Questions? **#H2020EE2018**

EASME on Twitter



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