



# LIFE-2024-CET-PRODUCTS

## Real world energy consumption of energy-related products

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# Context

European Court of Auditors  
ecodesign and energy labelling audit

Recommendation 2(b):

*“assess the scope for evaluating the results of the policy using sample-based methodology to measure actual energy consumption by end users”*



# Objective

- Harmonised standards are not always representative of actual energy consumption in real-life conditions.
- Evaluating impacts of EU Ecodesign and Energy Labelling Regulations following these standards can lead to overestimations.

## ➤ Understand better actual impacts of EU Ecodesign and Energy Labelling Regulations



# Scope



Proposals should implement **measurement campaigns in households**:

- Select **products** simple to measure and relevant for policymaking
- Representative **sample** and good **geographical spread**
- **Duration** based on relevant criteria
- Investigate **determinants** influencing energy use and collect relevant data



Budget: up to EUR **2** million for one proposal

# Scope

and...

- analyse data and formulate **policy recommendations**
- install **monitoring instruments**
- ensure **household engagement and retention**
- involve **relevant stakeholders** (e.g. consumer organisations)
- consortium with **multidisciplinary expertise**, including technical aspects



# Existing resources - examples

Proposals should build on relevant studies

e.g. JRC technical report 2023



JRC TECHNICAL REPORT

Methods to capture actual energy savings due to the implementation of minimum energy performance standards (MEPSs) under the EU Ecodesign

Castellazzi L., Dupret M., Bertoldi P.  
2023



<https://publications.jrc.ec.europa.eu/repository/handle/JRC130994>



# Impacts + Indicators

Proposals should demonstrate how project results will contribute to expected impacts.

They should

Topic-specific

Activity-specific

Common indicators

1. quantify impacts using the provided **topic-specific indicators** - where relevant.  
Not expected to address all listed impacts/ indicators
  2. propose additional indicators which are specific to the proposed activities  
**(activity-specific)**
  3. address impacts related to **common indicators** for the LIFE-CET subprogramme.
- Impacts should be quantified for project duration + for 5 years after project end.
  - Proposals should present the starting point and underlying assumptions + establish clear links between activity and impacts.



# Impacts

## Topic-specific indicators

- **Total amount of energy monitored and CO2-eq**
- Improved information on **actual energy consumption**
- Identifying better **energy consumption determinants**
- Options for **changes to legislation and harmonised standards**



## LIFE-CET Common indicators

- **Investments** in sustainable energy (energy efficiency and renewables) triggered by the project (cumulative, in million Euro)
- **Primary energy savings** triggered by the project (in GWh/year)
- **Renewable energy generation** triggered by the project (in GWh/year)
- **Reduction of greenhouse gases emissions** (in tCO2-eq/year)



# Keep in touch with us

Any questions on CET call topics? Email us on:  
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# Question and Answers



# Thank you



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