

How is the EU Tackling Energy Poverty? Policy overview, capacity building and on-the-ground support

EU
Energy Poverty
Advisory Hub

João Pedro Gouveia (NOVA FCT & EPAH)

European Policy Framework to Tackle Energy Poverty

Energy Efficiency Directive (EED) — 2023

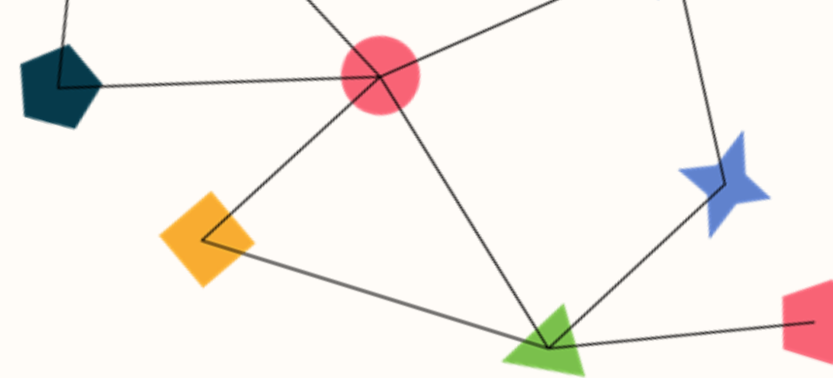
- First binding EU-level definition of energy poverty
- Member States must set indicative national targets
- Requires energy poverty measures in National Energy & Climate Plans

Energy Performance of Buildings Directive (EPBD) — 2024

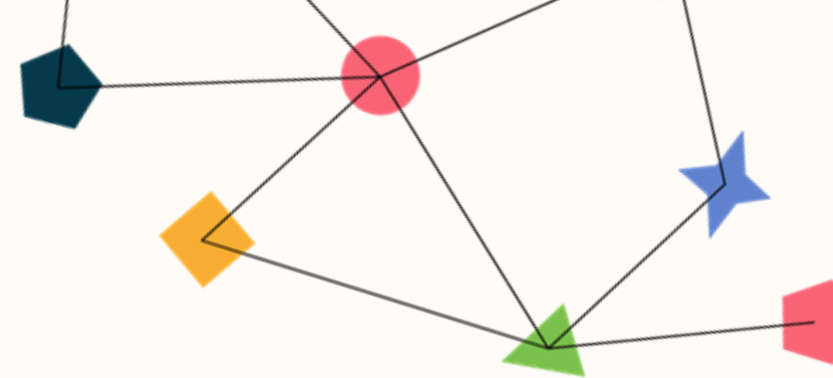
- Mandates progressive renovation of worst-performing buildings
- Prioritises vulnerable households in renovation plans
- Disproportionate burden on energy-poor homes addressed

Electricity & Gas Directives

- Protect vulnerable consumers from disconnection
- Winter disconnection bans for vulnerable households
- Access to social tariffs and price comparison tools



European Financial Instruments to Tackle Energy Poverty



Social Climate Fund

€86 Billion · 2026–2032

Addresses social impacts of ETS2 carbon pricing on buildings & transport. Direct income support + efficiency investments for vulnerable households.

ERDF & Cohesion Fund

Structural · Ongoing

Supports building renovation, district heating upgrades and energy access in less developed EU regions.

Just Transition Fund

€19.2 Billion · 2021–2027

Supports territories dependent on fossil fuels. Protects vulnerable communities from energy cost increases during transition.

REPowerEU

Emergency · 2022+

Accelerated renewable deployment & building renovation following the 2022 energy crisis. Includes provisions for energy communities.

European Governance and Monitoring to Tackle Energy Poverty



National Energy & Climate Plans (NECPs)

Member States must embed energy poverty strategies in NECPs submitted to the Commission



Energy Poverty Advisory Hub (EPAH)

Launched 2021 · Technical assistance, knowledge sharing & capacity building for Member States and local authorities



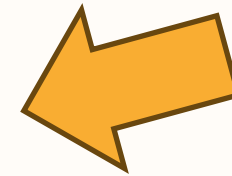
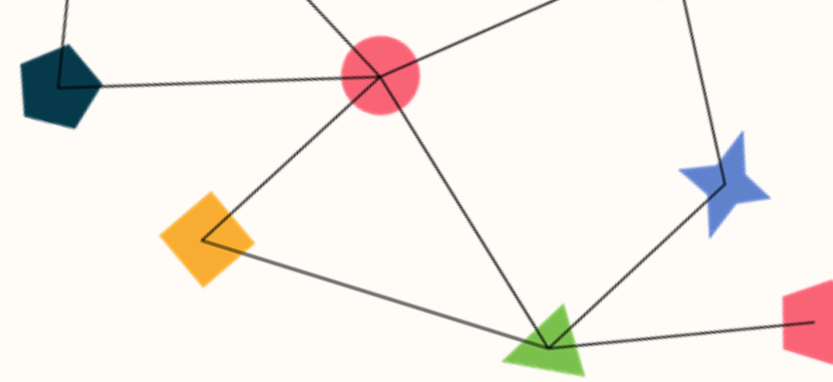
European Commission Oversight

Monitors progress, reviews NECPs and can issue country-specific recommendations



ETS2 Carbon Pricing Mechanism

Extends EU carbon pricing to buildings & transport from 2026. Social Climate Fund offsets impacts on vulnerable households



01

The leading EU initiative run by the European Commission



Vision

To eradicate energy poverty and accelerate the just energy transition of European local communities.

Mission

To be the central platform of energy poverty expertise in Europe.



02

Ecosystem: structure and target groups



EPAH in a Nutshell



[WATCH EPAH INTRODUCTORY VIDEO](#)



Mission and vision

As the central platform for energy poverty expertise in Europe,

EPAH is the leading EU initiative aiming to eradicate energy poverty and support the just energy transition of local communities.

EPAH is a European Commission initiative implemented by five partner organisations and supported by national antennas across all Member States, creating a strong collaborative network of stakeholders.

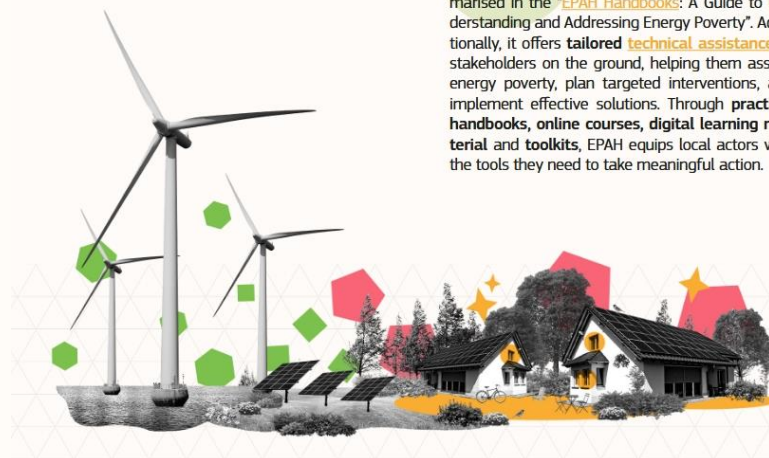
Main work areas

Strengthens collaboration and promotes knowledge exchange by connecting stakeholders of all levels of governance from across the EU through **international conferences**, **national and practitioners' events**, **thematic webinars (Lunch talks)**, and the **Energy Poverty Projects Working Group**.

Strengthens local capacities. EPAH has developed a **comprehensive and easy-to-follow methodology** to assist stakeholders in their local actions to tackle energy poverty. The methodology is summarised in the **"EPAH Handbooks: A Guide to Understanding and Addressing Energy Poverty"**. Additionally, it offers **tailored technical assistance** to stakeholders on the ground, helping them assess energy poverty, plan targeted interventions, and implement effective solutions. Through **practical handbooks**, **online courses**, **digital learning material** and **toolkits**, EPAH equips local actors with the tools they need to take meaningful action.

Builds awareness by maintaining an open-access online platform. This space enables different stakeholders e.g local governments, practitioners, institutions, and researchers to access valuable content created by the EPAH team. Stakeholders are also welcome to submit publications, news, events, policy updates, projects, and measures (**EPAH ATLAS**) and contribute to a growing knowledge base and ensuring both policymakers and practitioners have access to up-to-date, actionable insights.

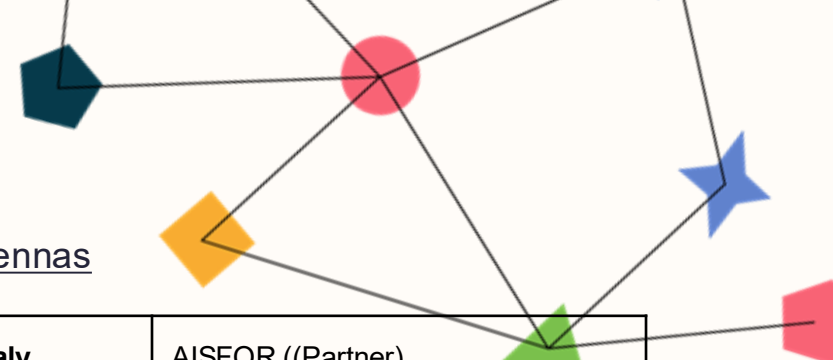
Develops data and evidence to **inform policy decisions**. It publishes **reports** (such as country fiches, guidelines, annual thematic reports, reports on indicators analyses etc.) that monitor the state of energy poverty across all EU Member States and hosts a dedicated **indicators dashboard**. This helps users better understand energy poverty trends, track progress, and identify key challenges. **Policy conferences** further support this effort by bringing together all levels of governance to share experiences and move forward on solutions.



[DOWNLOAD EPAH LEAFLET](#)



EPAH Structure



+ National antennas

Core team




Climate Alliance



NOVA
NOVA SCHOOL OF
SCIENCE & TECHNOLOGY



akaryon
WETTOOLS • UMWELT • FÖRDERUNGEN



ecoserveis



AISFOR



Austria	Klimabündnis Österreich GmbH	Italy	AISFOR ((Partner)
Belgium	Climate Alliance	Latvia	Ekodoma
Bulgaria	CLEANTECH	Lithuania	Ziedine Ekonomika
Croatia	Društvo za oblikovanje održivog razvoja (DOOR)	Luxembourg	Citizens for Ecological Living and Learning (CELL)
Czech Republic	SEVEN	Malta	Malta Intelligent Energy Management Agency (MIEMA)
Cyprus	Cyprus Energy Agency	Netherlands	Vereniging World Information Service on Energy Amsterdam (WISE)
Denmark	Energy Consulting Network	Poland	Association of Municipalities Polish Network Energie-Cites (PNEC)
Estonia	Estonian Green movement	Portugal	NOVA (Partner)
Finland	Tampere University	Romania	Reper21
France	SERAFIN	Slovakia	KLÍMA ŤA POTREBUJE Climate Needs You
Germany	Klima-Bi.indnis e.V. (Partner)	Slovenia	Focus Association for Sustainable Development (FOCUS)
Greece	INZEB	Spain	Ecoserveis (Partner)
Hungary	Reflex Environmental Association	Sweden	Stiftelsen The Stockholm Environment Institute (SEI)
Ireland	South East Energy Agency (SEEA)		

Target groups

Communities able to develop substantive measures in tackling energy poverty and representatives of vulnerable consumers:

- Local governments
- Policy makers (all levels of governance),
- Civil society organisations (NGOs, advocacy groups, foundations),
- Consumer groups,
- Energy agencies and cooperatives,
- Universities and research institutions,
- National and EU institutions/governments.

Special focus will be on communities highly affected by energy poverty.



03

Objectives and activities



Established network of support - enhance collaboration and knowledge sharing

Website as a knowledge hub

Learn from others by submitting your project, organization, or publication.

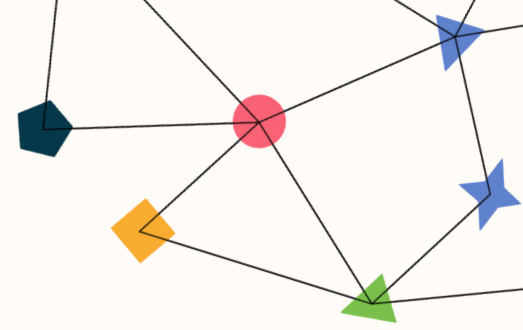
Targeted communication

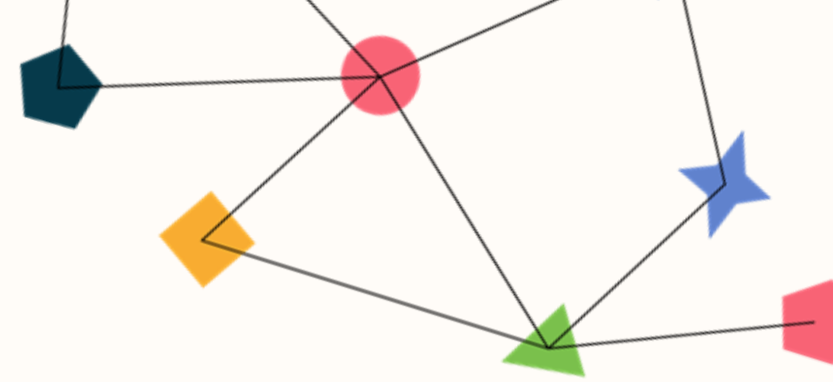
Podcasts and video stories that share insights and experiences.

Event series

Regular opportunities to exchange ideas and grow together.

- **International conferences** – Featuring high-level panels and hands-on workshops.
- **Policy sessions** – Promoting dialogue and collaboration among institutions.
- **Practitioner events** – Sharing challenges and solutions among experts in the same region.
- **Working groups** – Learning from other projects and building on each other's success.
- **Lunch talks** – Staying connected and discussing focused topics in an informal setting.





Objectives and Activities

Practitioner events and EPAH lunch talks

#20 Lunch Talk: Tackling Energy Poverty through Energy Renovation and Affordable Housing in Europe

NEWS ARTICLE | 9 October 2025

Energy Renovation to Tackle Energy Poverty and Protect Affordability: Insights from the Practitioners' Event and Lunch Talk



[INSIGHT FROM OUR LAST EVENTS](#)

Equity and Vulnerability in Energy Poverty: Insights from the 3rd Practitioners' Event and the 21st Lunch Talk



Online

Vulnerability and equity in the context of energy poverty

3rd EPAH PRACTITIONERS' EVENT

26 November 2025, 10:00–12:00 CET



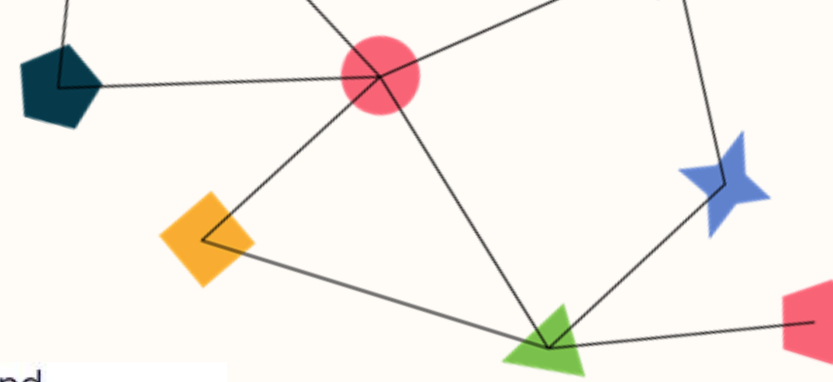
Online

EPAH Lunch Talk #21

Equity and Vulnerability in Energy Poverty: Europe's Hidden Inequalities

03 December 2025, 13:00 CEST





Objectives and Activities

2025 Practitioner events

2nd practitioners event

Spotlight on Energy Renovation in Central and Eastern Europe — Join the 2nd Practitioners' Event



1st practitioners event

Hot Summers, Growing Inequalities: EPAH Brings Summer Energy Poverty to the Forefront of European Debate



3rd practitioners event

Equity and Vulnerability in Energy Poverty: Insights from the 3rd Practitioners' Event and the 21st Lunch Talk



Objectives and activities

Develop data and knowledge Inform policy

In-depth reporting

Detailed assessments of conditions across European Member States.

Data and indicator analysis

Supporting the development of a structured and consistent framework.

Country-specific insights

Tailored analyses to help national institutions address energy poverty.



EPAH Indicators Dashboard

- Dashboard data is constantly being updated
- Several indicators now with regional data available
- New design
- Revision of the informative documents (indicators leaflets) for each indicator

EPAH ATLAS

- Access to more than 300 projects to get inspired
- Possibility to [submit your own project](#) with a new, improved form
- New design
- Included link for organisations (possibility to [submit your organisation](#))

Atlas

Submit new case

The EPAH ATLAS is an **online interactive database** that allows visitors to **discover more than 300 local national and international projects, measures and policies addressing energy poverty across the world**. Visitors can explore the interactive map, view a list of all entries and read more information about any case. Filtering options provide visitors the opportunity to explore the database effectively.

Are you aware of a project or policy/measure that is not part of the EPAH ATLAS yet? **Submit it by clicking on the link above.**

Type of case

- Any -

Intervention type

- Any -

Geographical focus

- Any -

Type of funding

- Any -

Energy poverty phase

- Any -

Sustainable development goals

- Any -

Topics

- Any -

Countries impacted

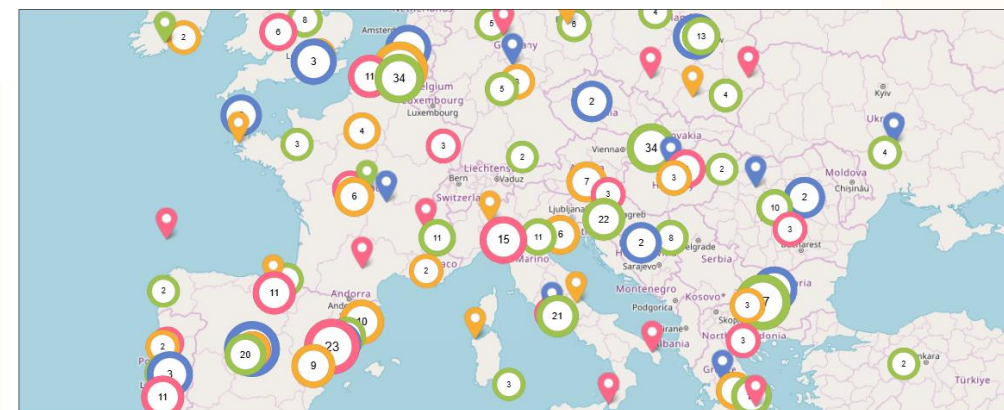
- Any -

Type of organisations involved

- Any -

Case status

- Any -



Webtools • © EC-GISCO • Leaflet | © OpenStreetMap contributors | Disclaimer



DECIDE

Austria, Belgium, Estonia, France, Germany, Greece, Netherlands

International project

Developing Energy Communities through Informative and Collective actions



TRANSFAIR

Spain, Hungary

International project

Unfair transitions? A critical examination low-carbon energy pathways in the EU from a domestic energy vulnerability perspective



Objectives and activities

Increase capacity of local communities

Direct support

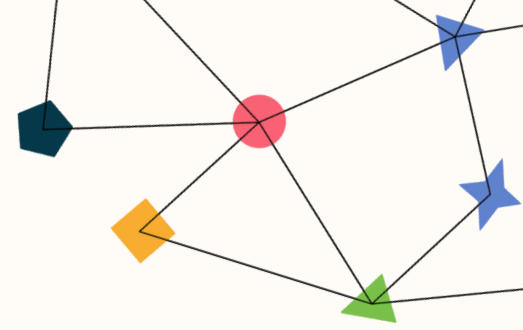
Two calls for technical assistance to help local communities (**Open now**)

Practical guidelines

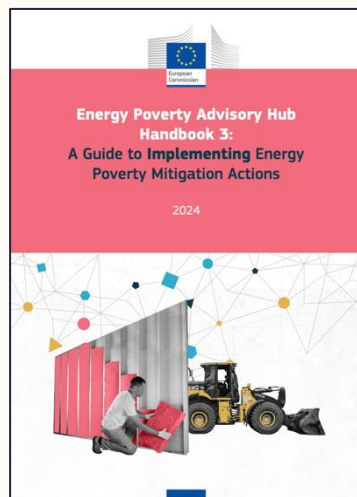
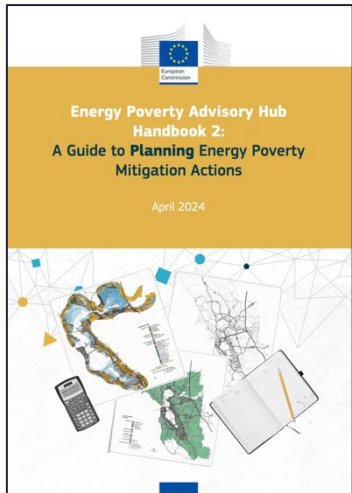
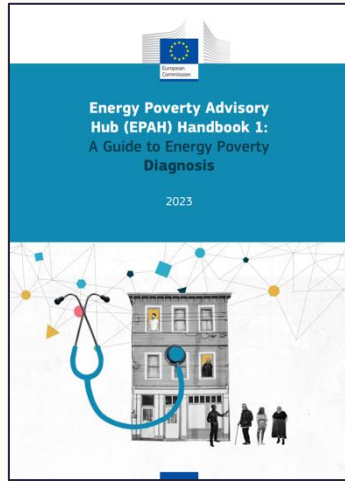
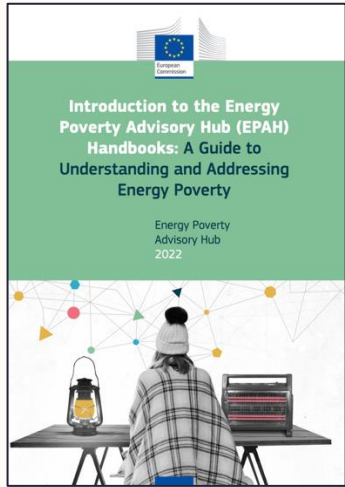
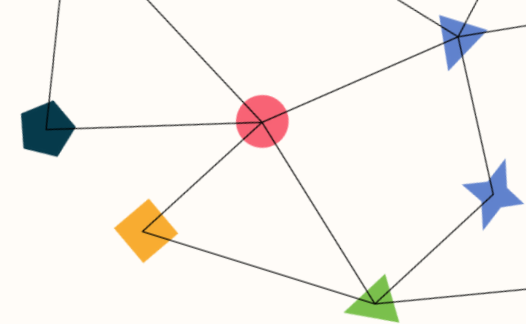
Concrete tips for addressing specific challenges.

Technical exchange

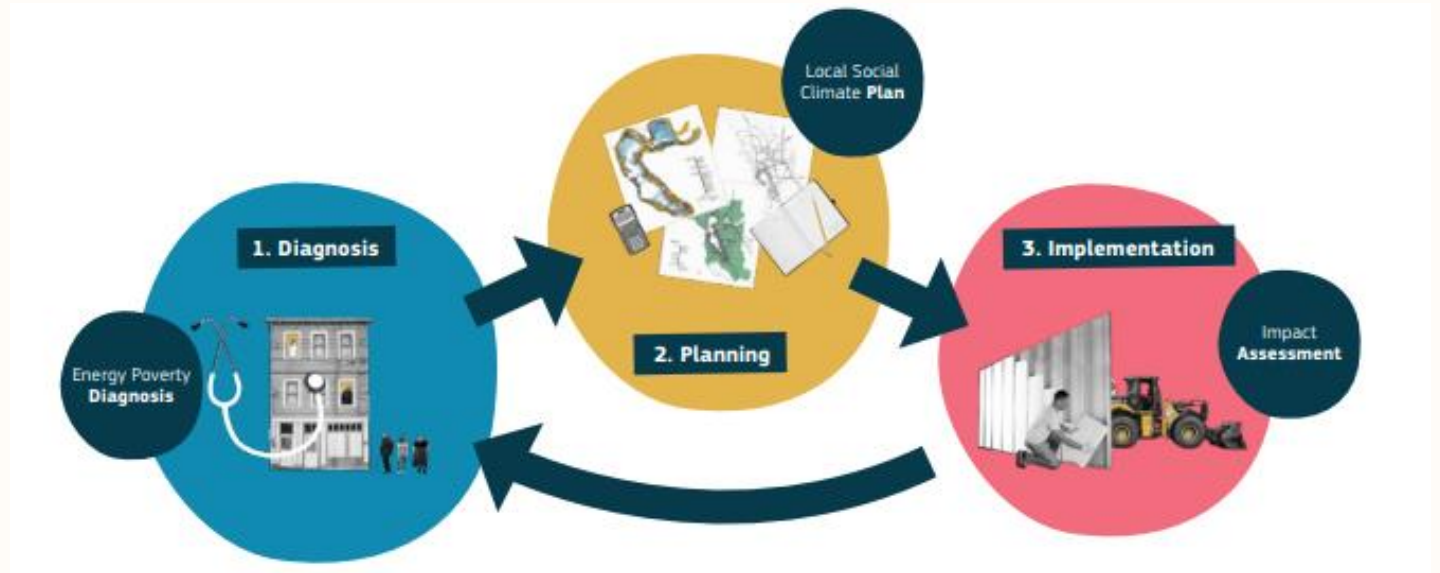
Sharing existing solutions and strengthening overall capacity.



Step by Step Learning Guides



A series of **practical guidebooks** for local governments and practitioners ensuring that the social dimensions of the energy transition are addressed efficiently.

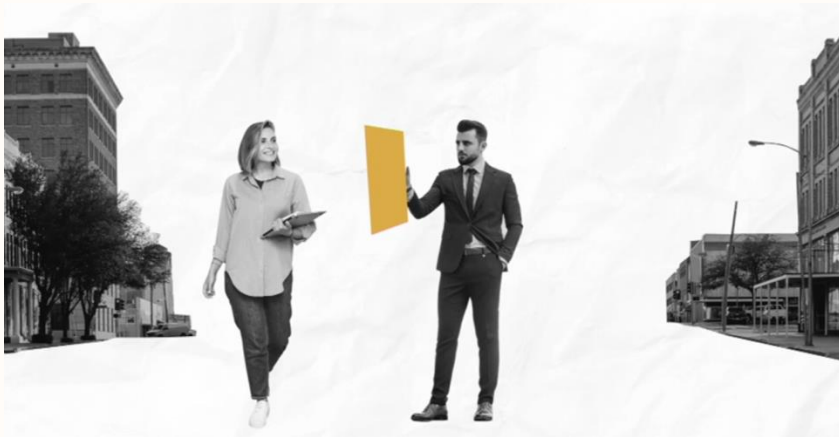


[LINK](#)

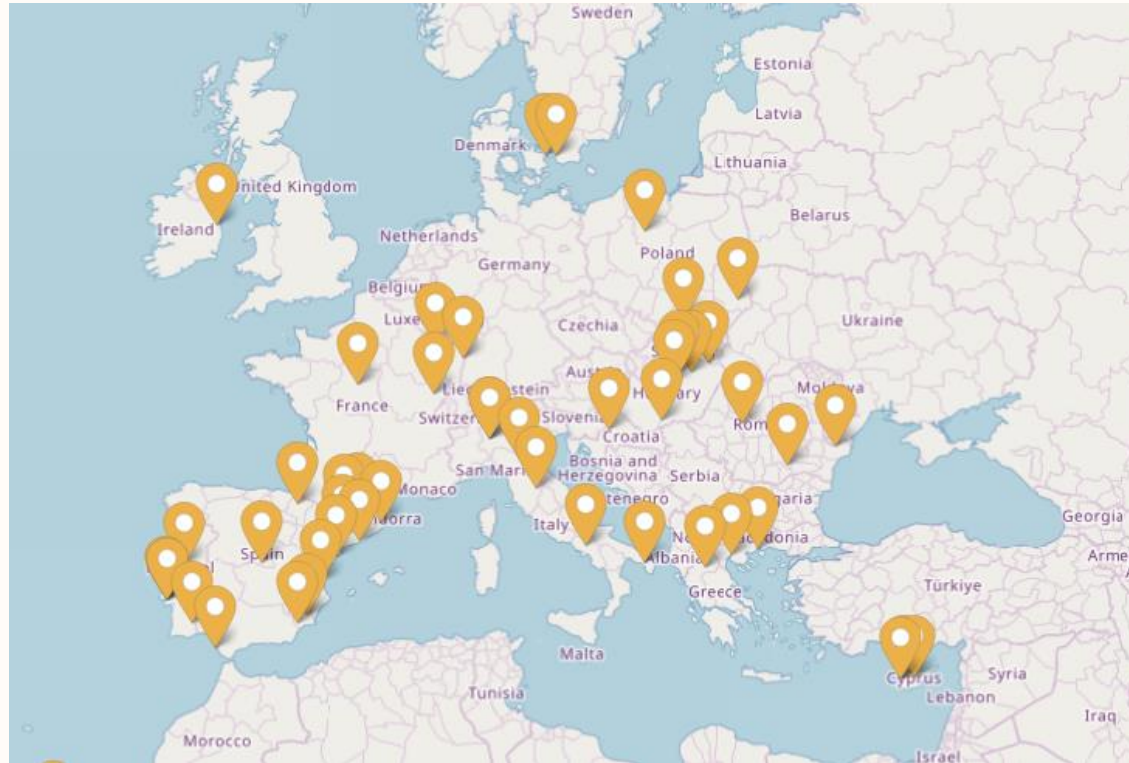
Objectives and activities

Technical Assistance

Tailor-made solutions for Local Governments



2 calls (2022 & 2023)



Projects being supported **53**

Municipalities under the Technical Assistance **85**

Country represented **13**

Open Call now (Until 31st March)



100 technical assistances more

Mértola, Portugal



RESULTS

1st technical assistance of the Energy Poverty Advisory Hub 2022-2023

The technical assistance was provided by the Institute of Social Sciences, University of Lisbon (ICS-ULisboa) to Junta de Freguesia de Mértola and Associação de Moradores do Centro Histórico de Mértola, in collaboration with the NOVA School of Science and Technology (FCT NOVA).

Objectives

The expert carried out a qualitative assessment of energy poverty in the historical center of Mértola, aiming at the characterisation of households' experience of energy poverty and identification of factors contributing to energy poverty in the area. The objective was to use this assessment to inform an effective work plan and subsequently tackle the energy poverty challenges in Mértola.

family habits related to cold and heat, practices related to energy consumption, family dynamics regarding energy consumption, payment of energy bills, characterisation of energy supply contracts, information on energy efficiency and support schemes. A report was produced that included advice on concrete actions and interventions, taking into account the specificities of the local context. Workshops and info sessions presented the results of the report to local stakeholders and aimed at informing them for the energy poverty challenges of the community.

Activities & Outcomes

32 door-to-door interviews with consumers and 7 interviews with a focus group and local informants were conducted. The questionnaires collected info regarding: the characterisation of the household, material conditions of the dwelling, history of renovation works, practices of coping with cold and heat at home,

Challenge

Identifying potential interviewees was challenging since the population has declined sharply in recent years. Additionally, when conducting the final report, it was necessary to take into account the specificities of the historic center of Mértola. Local climate, topography, buildings, demography, economy and heritage protection guidelines and regulations make it a very unique place.



November 2022 - July 2023

Energy poverty phase: Diagnosis

Topics: information and awareness



Who did we reach?
- Rural, low-income, low-education, ill-health, elderly

Who was left out?
- migrants, tenants, unemployed, young, multi-family



Lumiar (Lisbon), Portugal



RESULTS

1st technical assistance of the Energy Poverty Advisory Hub 2022-2023

The **Lumiar Parish Council**, in collaboration with the **Local Partnership of Telheiras** and with the assistance of **Coopérnico** and **CENSE**, **FCT-NOVA University of Lisbon**, embarked on technical assistance (TA). The goal was to set up one of the first citizen-led and inclusive renewable energy communities in Portugal by tackling energy poverty and promoting energy democracy.

Objectives

The project aimed to raise **awareness** and **diagnose** energy poverty while offering **counseling** to vulnerable households and community intermediaries. The TA produced an **open-access guide** for building local energy communities, aiming for replication in Lumiar Parish Council and alignment with Portugal's multi-level energy and climate policies. Progress was monitored through indicators, tracking households engaged and actions taken during and beyond the pilot phase.

Activities & Outcomes

Detailed energy poverty reports for Lumiar and Lisbon were produced. **A pilot renewable energy project with 16 solar panels (7.0 kWp) benefitted 17 community members, including 3 energy-poor families, and the parish council itself.** An inclusive financial model allowed participation without substantial upfront costs. Internal rules stressed equal participation as a non-profit. Successful participant recruitment and engagement of energy-poor families were achieved through community efforts. **Regulatory approval and legal licensing were obtained** in November 2023.

Challenge

In Portugal, inclusive energy communities face several barriers, with **licensing being a complex and lengthy process.**

Future

The Telheiras Renewable Energy Community is planning a **second solar project** to expand impact and share lessons for replication.

This TA established a robust local partnership, government support, financial aid for vulnerable families, a motivated network, and expert input, enabling international financial support through the DUT Partnership's Urban Doers Grant.



EU Energy Poverty Advisory Hub



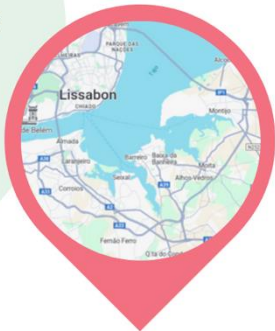
- October 2022 - July 2023
- Energy poverty phase:** Diagnosis and planning
- Topics:** Energy poverty diagnosis; Renewable energy communities



Who did we reach?
- High-income, low-income, elderly

Who was left out?
- Rural, low education, migrants, tenants, ill-health and disabilities, unemployed

Barreiro, Moita, Montijo, Alcochete, Portugal



RESULTS

2nd technical assistance of the Energy Poverty Advisory Hub 2023-2024

The "Ponto de Transição + PRÓXIMO" or "Transition Point Next2U" is a **mobile one-stop shop** which provided energy related advice by meeting people at a mobile assistance point. The support can significantly enhance the living conditions of vulnerable families, boost their resilience and speed up a fair energy transition.

Objectives

The "Transition Point Next2U" project alleviates energy poverty by providing **personalized support** through qualified technicians and **Transition Agents**, offering free advice on energy bills, financing for home renovations, and application assistance. By engaging the community, conducting home energy assessments, and fostering partnerships, the initiative successfully improved energy efficiency and sustainability in the municipalities of Barreiro, Moita, Montijo, and Alcochete.

Activities & Outcomes

The "Transition Point Next2U" initiative involved recruiting and training local technicians and Transition Agents to provide energy assessments, advice on bills, and assistance with financing for home renovations across Barreiro, Moita, Montijo, and Alcochete. As a result, the project attracted **366 visitors, conducted 256 home energy assessments**, and identified 131 potential beneficiaries for the "Energy Voucher" program, demonstrating significant community engagement and support for addressing energy poverty.

Challenge

Challenges in addressing energy poverty include coordinating diverse stakeholders, improving data collection systems, engaging vulnerable populations through innovative outreach, and ensuring sustainability through capacity building and long-term planning.

This assistance was a learning experience that brought the involved municipalities closer to achieving a sustainable and energy-efficient future.



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DISCOVER EPAH



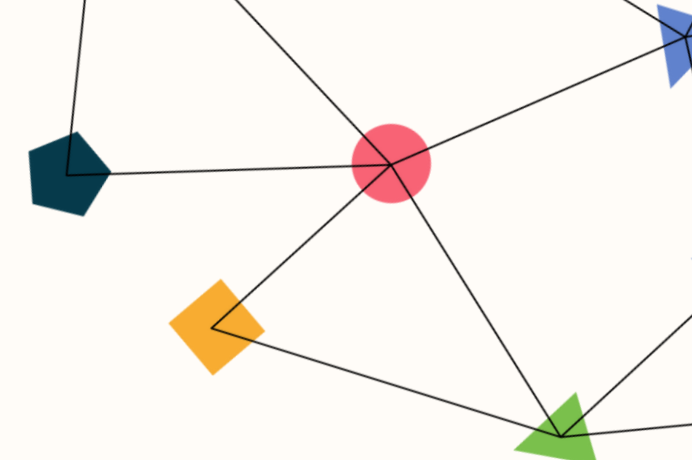
October 2023 - June 2024



Energy poverty phase:
Implementation



Topics: Energy audits, information and awareness



Who did we reach?

- Low income, low education, elderly, unemployed

Who was left out?

- Rural, migrants, high-income, tenants

Arganil Portugal



RESULTS

2nd technical assistance of the Energy Poverty Advisory Hub 2023-2024

This project emerged following an application by the Centro Regional Coordination and Development Commission (CCDR-Centro) and the Municipality of Arganil to the Energy Poverty Advisory Hub – 2nd Call for Technical Assistance 2023.

Objectives

The objective of the application was to obtain specialized technical assistance to address energy poverty, specifically in identifying and mapping instances of energy poverty, as well as analyzing appropriate energy efficiency measures for implementation. Additionally, the assistance included providing advice and guidance on the most favorable financing mechanisms. A tool has been developed to identify and map cases of energy poverty within the municipality of Arganil.

Activities & Outcomes

The project involved analyzing and monitoring the temperature and relative humidity of buildings, conducting inspections and diagnoses, as well as surveys related to energy poverty and thermal comfort analysis. The building inspections revealed widespread moisture issues, inadequate insulation, structural concerns, and inefficient heating systems. The survey showed that the majority of respondents are homeowners who rely on biomass for heating, face significant humidity problems, and often experience discomfort during both winter and summer due to high energy costs and inadequate climate control system

Challenge

The monitoring campaign highlighted significant challenges in maintaining comfortable indoor temperatures, particularly in older buildings, where architectural constraints limit the feasibility of insulation and climate control improvements, necessitating careful analysis to develop sustainable solutions

It was found that some families are unable to maintain their homes within the range of temperatures considered comfortable. Notably, a building in Foz da Moura registered room temperatures below 9°C



DISCOVER EPAH



September 2023 - June 2024



Energy poverty phase: Diagnosis, Planning



Topics: Building typologies, monitoring



Who did we reach?

- Rural, low-income, elderly, ill-health, low education

Who was left out?

- Migrants, multi-family, tenants, high-income



Baixa da Banheira & Vale da Amoreira Portugal



RESULTS

2nd technical assistance of the Energy Poverty Advisory Hub 2023-2024

The Union of the Civil Parishes of Baixa da Banheira and Vale da Amoreira, in collaboration with the health center USF Querer Mais, addressed energy poverty as a public health issue. Energy poverty affects health, especially for those with cardiovascular, respiratory, or rheumatologic conditions, as they are more vulnerable to **extreme home temperatures**.

Objectives

The objectives include developing a process to identify individuals in energy poverty, establishing methods for health center staff to recognize energy poverty using surveys and existing data, coordinating access to mitigation measures through collaboration with local partners, and consolidating and sharing knowledge to improve public access to resources.

Activities & Outcomes

The survey of 66 vulnerable families analysed energy poverty and health data, while support included promoting synergies with another EPAH TA replicating a OSS Transition Point NExt2U, energy bill analysis, and assistance with funding applications. Additionally, a **statistical tool and mapping** were created to guide future measures and prioritize areas for initial action. The results revealed a high vulnerability to energy poverty among the surveyed population, with potential **severe health consequences**.

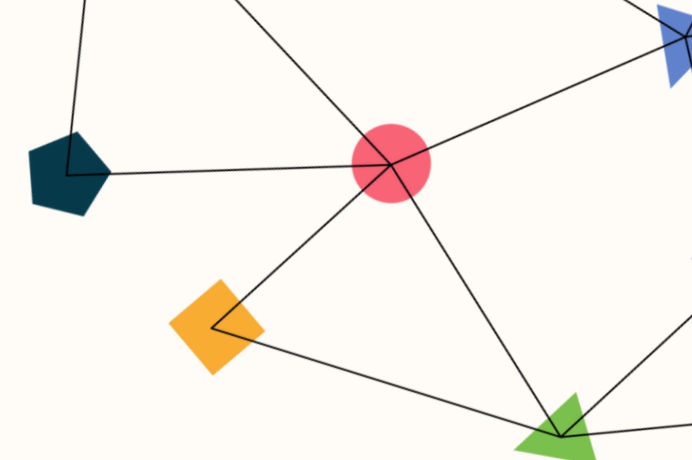
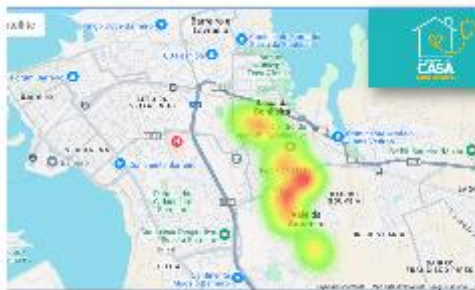
Challenge

Resource constraints, including limited human resources, posed significant hurdles. Data gaps, particularly in local data related with health impacts, required additional efforts in primary data collection. Building trust with beneficiaries was another challenge, as initial mistrust from vulnerable consumers needed to be overcome.

The project will continue to gather surveys, explore the detailed relationship between energy poverty and health, and evaluate the follow-up support provided to families.



- September 2023 - June 2024
- Energy poverty phase: Diagnosis
- Topics: Health, survey



Who did we reach?
 - Low income, low education, elderly, ill-health and disabilities, migrants, unemployed, tenants

Who was left out?
 - Rural, high-income



Call for Technical Assistance Open

Technical Assistance 2026
Tailored support to tackle energy poverty at the local level

Apply by 31 March

Technical Assistance

Download documents

Get inspiration from previous TA

Explore our ATLAS for additional inspiration

- <https://energy-poverty.ec.europa.eu/technical-assistance-call>

Follow our webinars

February 2026

month week list

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 10:00 am Sweden: Informa	4	5	6	7
8	9 11:00 am Energy Poverty A	10	11 09:00 am Estonia: Informat 10:00 am Croatia: Informat	12 09:00 am Cyprus: Evnjeto	13	14
15	16	17 08:30 am Greece: Evnjeto 10:00 am Poland: Sesja inf	18 10:00 am Bulgaria: Informat +3 more	19 09:00 am Latvia: Informat	20 09:30 am Italy: Sessione d	21
22	23	24 09:00 am Austria: Informat +3 more	25 11:00 am France: Sessio 02:00 pm Luxembourg: S	26 02:00 pm Romania: Sesiun	27 08:00 am Finland: Informat	28
1	2	3	4	5	6	7
8	9	10 02:00 pm Czechia: Informat	11	12	13	14

Annual Conference 2026– Registration Open

EU
Energy Poverty
Advisory Hub



Registration is open

**Annual
Conference**



**March 2026
17-18**

Thank you for your attention

Newsletter
subscription

info@energypoverty.eu

energy-poverty.ec.europa.eu

 Follow us on X



ODYSSEE-MURE

Energy poverty: Strategies to reach out to energy challenged consumers – The case of Portugal

Odyssee-Mure - Introduction and data resources for addressing energy poverty

Isabel Araújo Pereira, ADENE

26 February 2026



ODYSSEE-MURE website

- Supports the **implementation/ monitoring** of the **Energy Efficiency Directive**
- Used for **policy analysis and benchmarking**
- Complements **EU-level and national initiatives on energy poverty** (embedded across indicators and measures)
- Complementarity of Odyssee and Mure databases: **data + policies in one platform**

ODYSSEE database


Indicators and trends related to energy efficiency and energy consumption

MURE database

Quantitative and qualitative information on energy efficiency policies implemented at EU or national level


ODYSSEE database

ODYSSEE-MURE [Overview](#) [Tools](#) [Publications](#) [Q&A](#) [Updates](#) [Contact](#) [Partners](#)

Odyssee  **ODYSSEE PROJECT**

ABOUT THE ODYSSEE DATABASE


The Odyssee indicators are accessible under different data tools: the full data base, the key indicators facility, as well as five specific data facilities that focus on specific issues and provide some interpretation: market diffusion, decomposition, benchmarking and energy saving. The access to the data base is restricted, whereas all other data tools are in public access.



ODYSSEE DATABASE

KEY INDICATORS **MARKET DIFFUSION** **DECOMPOSITION** **CO2 DECOMPOSITION** **COMPARISON** **ENERGY SAVING**

ODYSSEE-MURE [Overview](#) [Tools](#) [Publications](#) [Q&A](#) [Updates](#) [Contact](#) [Partners](#)

Odyssee  **ODYSSEE DATABASE**

The Odyssee database contains detailed energy consumption by end-use and their drivers as well as energy efficiency and CO2 related indicators. Latest available data is providing by national representatives, such as energy agencies or statistical organization, from all EU countries as Switzerland and Serbia.

Odyssee data and indicators are available through a friendly interface enabling advanced analysis, with the results of queries provided in tables and/or graphs and with the possibility to change units.

Apart from the full database, five data tools have been developed to monitor progress in the market penetration of a selection of energy efficient technologies and practices, to identify the drivers responsible for the variation of energy consumption, to compare and benchmark the energy efficiency of performance of countries.

The access is free for all EU Ministries, Concerted Action EED, EED Committee Members and EU universities and research centres for non-commercial uses and via subscription for other users.

FREE ACCESS
[LOGIN](#) [SIGN UP](#)

SUBSCRIPTION TO THE DATABASE
[TRIAL VERSION](#) [CONTACT US](#)

ODYSSEE database



For over three decades, the Odyssee database has been maintained by Enerdata in the framework of the Odyssee-Mure project, coordinated by ADEME. It is supported by LIFE-CET programme of the European Commission and is involved in the activities of the EnR Club. The data is provided by approximately 40 partners from across the EU countries as well as Energy Community Parties and Switzerland.

 Key Features

<https://odyssee.enerdata.net/>

ODYSSEE database



Items Countries Years

- Energy efficiency index
- Energy savings
- Energy savings rate
- Unit consumption
- Dwellings efficiency
- Financial indicators
- Poverty indicators
- Sufficiency indicators
- CO2 emissions

ADEME
AGENCE DE LA TRANSITION ÉNERGÉTIQUE

ER

Life

Energy poverty indicators

- Unability to keep home warm
- Dwellings with damp problems
- Arrears with utility bills

Complementary indicators

- Dwellings efficiency
- Renovation
- Energy expenditures
- Energy budget
- Monetary savings
- Space heating



MURE PROJECT

ABOUT THE MURE DATABASE

MURE (Mesures d'Utilisation Rationnelle de l'Energie) provides information on energy efficiency policies and measures that have been carried out in the Member States of the European Union. The information is accessible by query in the database. The distribution of measure by type can be visualized through radar graph. Finally several facilities enable specific queries.

DATABASE QUERY



<https://www.measures.odyssee-mure.eu/>

MURE database

A screenshot of the MUREII database interface. The top navigation bar includes 'Database', 'Radar graph', and 'Summary Table'. Below this is a search bar with the placeholder text 'Enter text to search in measures'. There are several filter sections: 'Sector' with a dropdown menu showing 'Household'; 'Countries' with a dropdown menu showing 'Portugal'; 'Measure type' with a dropdown menu showing 'Select...'; and 'Targeted end-use' with a dropdown menu showing 'Select...'. A vertical scrollbar is visible on the right side of the filter area.

Mure policy filters

- Sector
- Country
- Measure type
- Targeted end-use
- Energy poverty & sufficiency

ODYSSEE-MURE

Overview

Tools

Publications

Q&A

Updates

Contact

The screenshot shows the ODYSSEE-MURE website homepage. The background features a stylized globe with a network of green and yellow lines connecting various points. The main heading reads "A DECISION-SUPPORT TOOL FOR ENERGY POLICY EVALUATION". Below this, there is a section titled "ABOUT THE ODYSSEE-MURE" with the text "Comprehensive monitoring of efficiency trends in EU countries, Switzerland and Energy Community countries." Two teal buttons are visible: "LEARN MORE" and "DOWNLOAD PROJECT OVERVIEW". A white navigation menu is open over the "Publications" link, listing the following items: "Sectoral profiles", "Country profiles", "National reports", "Policy briefs" (circled in red), and "Other publications".

ODYSSEE-MURE website

The screenshot shows the ODYSSEE-MURE website header with navigation links: Overview, Tools, Publications, Q&A, Updates, Contact, and Partners. Below the header is a breadcrumb trail: Home > Publications > Policy briefs. A teal banner with the text 'POLICY BRIEFS' is followed by a paragraph explaining the purpose of the policy briefs. Below the paragraph are four buttons: CROSS CUTTING, INDUSTRY, BUILDINGS, and TRANSPORT.

ODYSSEE-MURE Overview Tools Publications Q&A Updates Contact Partners

Home > Publications > Policy briefs

POLICY BRIEFS

Odyssee-Mure policy briefs aim at providing short analysis on energy efficiency evaluation in the EU. They are organized by sector: cross cutting, industry, buildings, and transport. For each sector, one brief will be dedicated to present energy efficiency trends while the others will present best practices in energy efficiency policy.

CROSS CUTTING INDUSTRY BUILDINGS TRANSPORT

Cross-cutting

- Main energy poverty measures in Europe: Characterisation from the EPOV and the EED perspectives

<https://www.odyssee-mure.eu/publications/policy-brief/energy-poverty-measures-eu-epov-eed.html>

Policy briefs

- Cross-cutting
- Industry
- Buildings
- Transport

Buildings

- Alleviating energy poverty: key developments of the policy framework for energy poverty detection and measure improvements

<https://www.odyssee-mure.eu/publications/policy-brief/alleviating-energy-poverty.html>

- Addressing energy poverty through energy efficient schemes: policy development, examples and recommendations

<https://www.odyssee-mure.eu/publications/policy-brief/energy-poverty-best-practices.html>

Key takeaways

Odyssee

Robust indicators
to monitor trends

Cross-country
analysis

Mure

Structured
overview of
policy measures
across Europe

Odyssee + Mure

Support
comparability and
evidence-based
policymaking

Complement
national energy
poverty
monitoring

ODYSSEE DATABASE



MUREII

ODYSSEE-MURE

Thank you!

Isabel Pereira, ADENE

isabel.pereira@adene.pt

Partners:





**OBSERVATÓRIO
NACIONAL
POBREZA
ENERGÉTICA**

**Erradicar a pobreza
energética até 2050**

Portugal's National Strategy and key initiatives

26th February 2026

National Energy Poverty Observatory (ONPE-PT)

Madalena Dias dos Santos

National Long-Term Strategy to Combat Energy Poverty 2023-2050 (ELPPE)

MISSION

To eradicate energy poverty by 2050

- Approved in January 2024.
- Aligned with EU directives, the Paris Agreement, and the national climate roadmap.
- Four strategic pillars:



1. Sustainable and efficient housing



2. Universal access to essential energy services



3. Integrated territorial action



4. Knowledge and informed action



National Energy Poverty Observatory (ONPE -PT)

MISSION

To monitor the evolution of energy poverty in Portugal

Defines and
updates
indicators

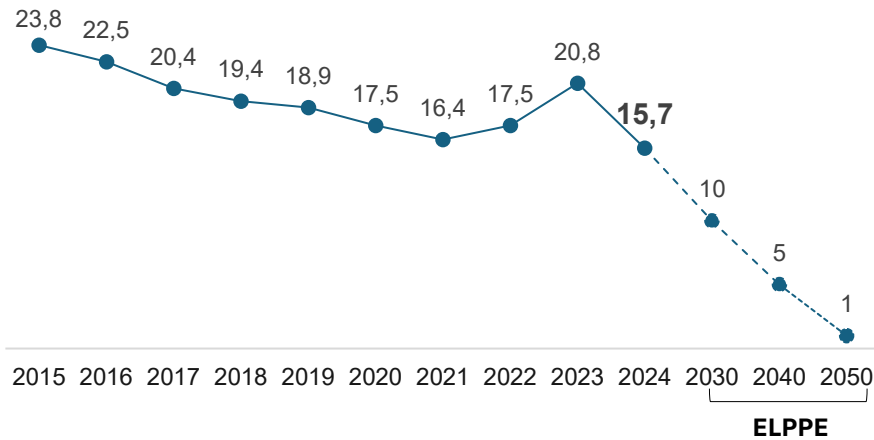
Proposes and
evaluates
public
policies

Coordinates
with national
and local
stakeholders

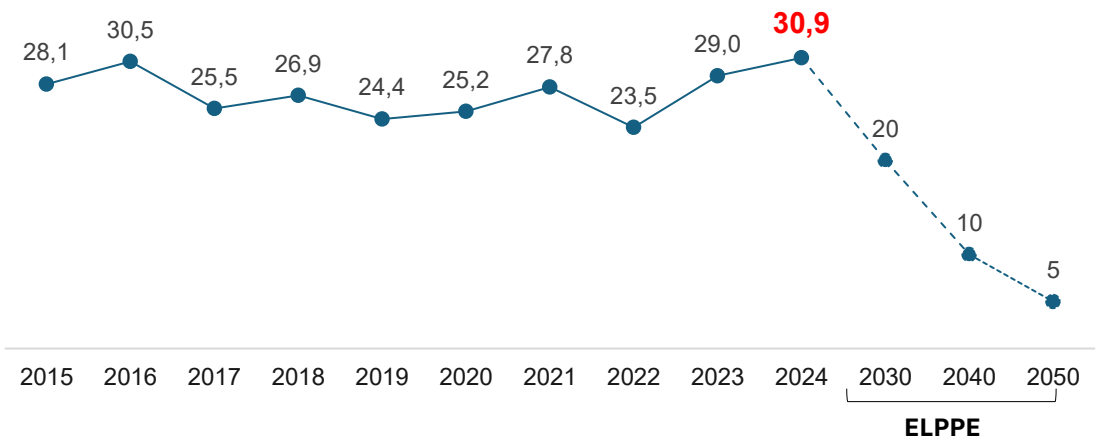


Goals of the 2050 Strategy

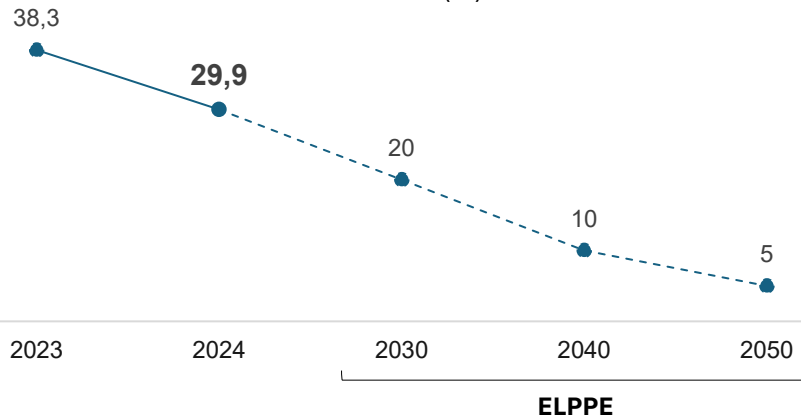
Inability to keep home adequately warm (%)



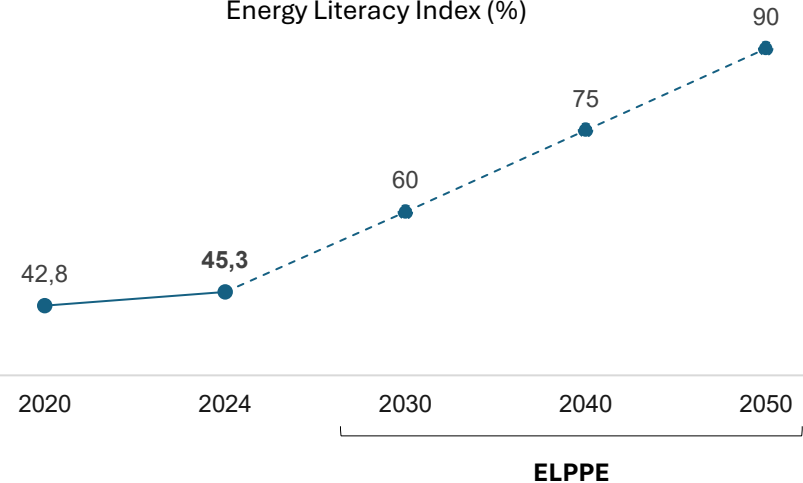
Population living in dwellings with presence of leak, damp and rot (%)



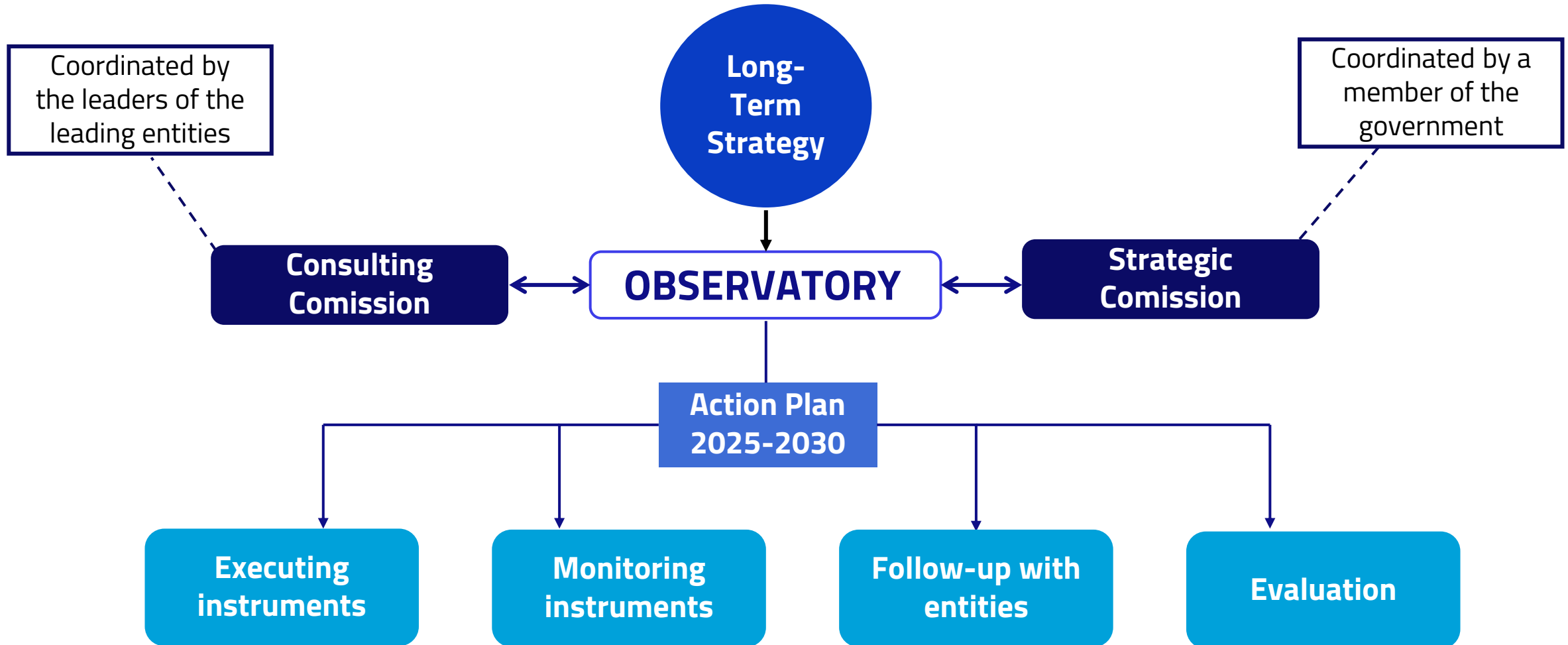
Population living in dwellings that are not comfortably cool during the summer (%)



Energy Literacy Index (%)



The role of the observatory in policy follow-up

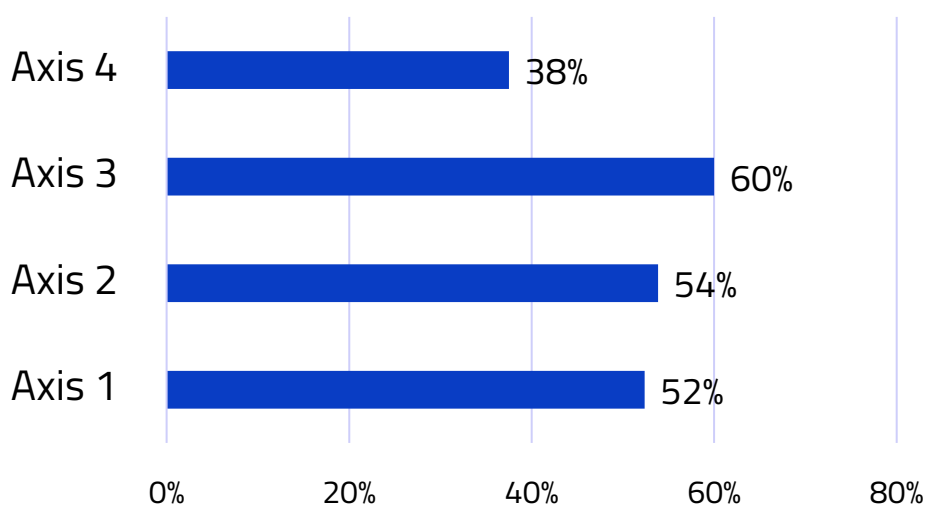


National Action Plan to Combat Energy Poverty 2025-2030 (PACPE)

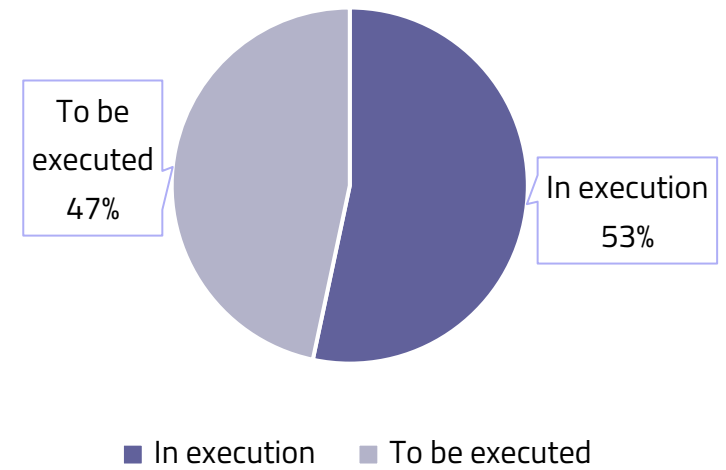
- Approved in December 2025.
- The four axes follow the strategic pillars of the Strategy.



State of execution of the 4 Axes



Total Execution of the Action Plan



Structure of the Action Plan 2025 - 2030

Promoting energy and environmental sustainability of housing

STRATEGIC AXIS

Increase the energy efficiency of homes

STRATEGIC OBJECTIVE

Promoting energy efficiency in housing

ACTION MEASURE

Rehabilitation of glazed areas





ACTION LINE

Efficiency Voucher Program

ACTION INSTRUMENT



Action Instruments

	STRATEGIC AXIS (SA)	ACTION INSTRUMENTS
 Axis 1	PROMOTING THE ENERGY AND ENVIRONMENTAL SUSTAINABILITY OF HOUSING	21
 Axis 2	PROMOTING UNIVERSAL ACCESS TO ESSENTIAL ENERGY SERVICES	13
 Axis 3	PROMOTE INTEGRATED TERRITORIAL ACTION	10
 Axis 4	PROMOTING KNOWLEDGE AND INFORMED ACTION	16
TOTAL		60



Web Portal ONPE-PT



O Observatório

Estratégia

Números ▾

Apoios

Prémio

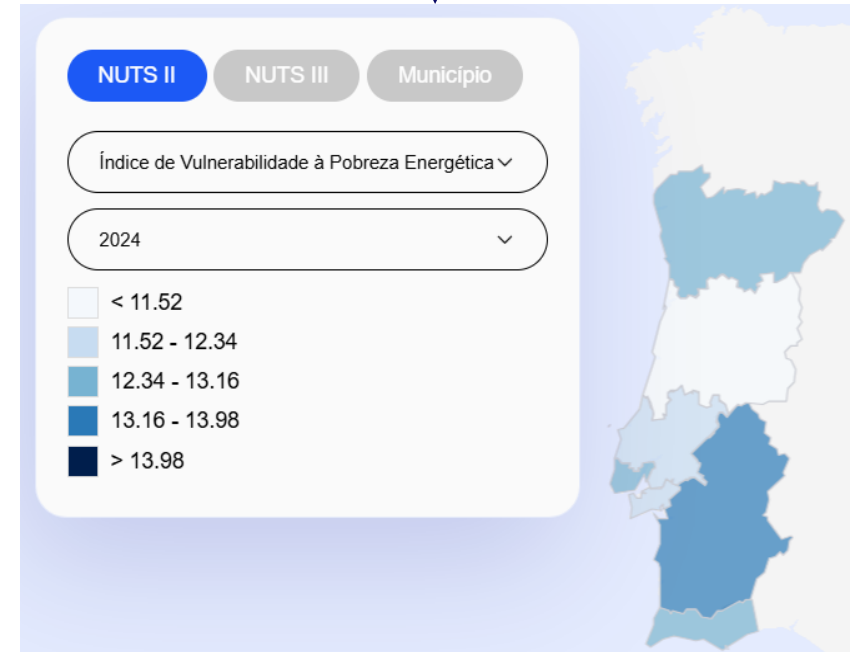
Projetos ▾

Documentos

ERRADICAR A POBREZA ENERGÉTICA ATÉ 2050

Conheça o índice de vulnerabilidade à pobreza energética do seu município

Saber mais

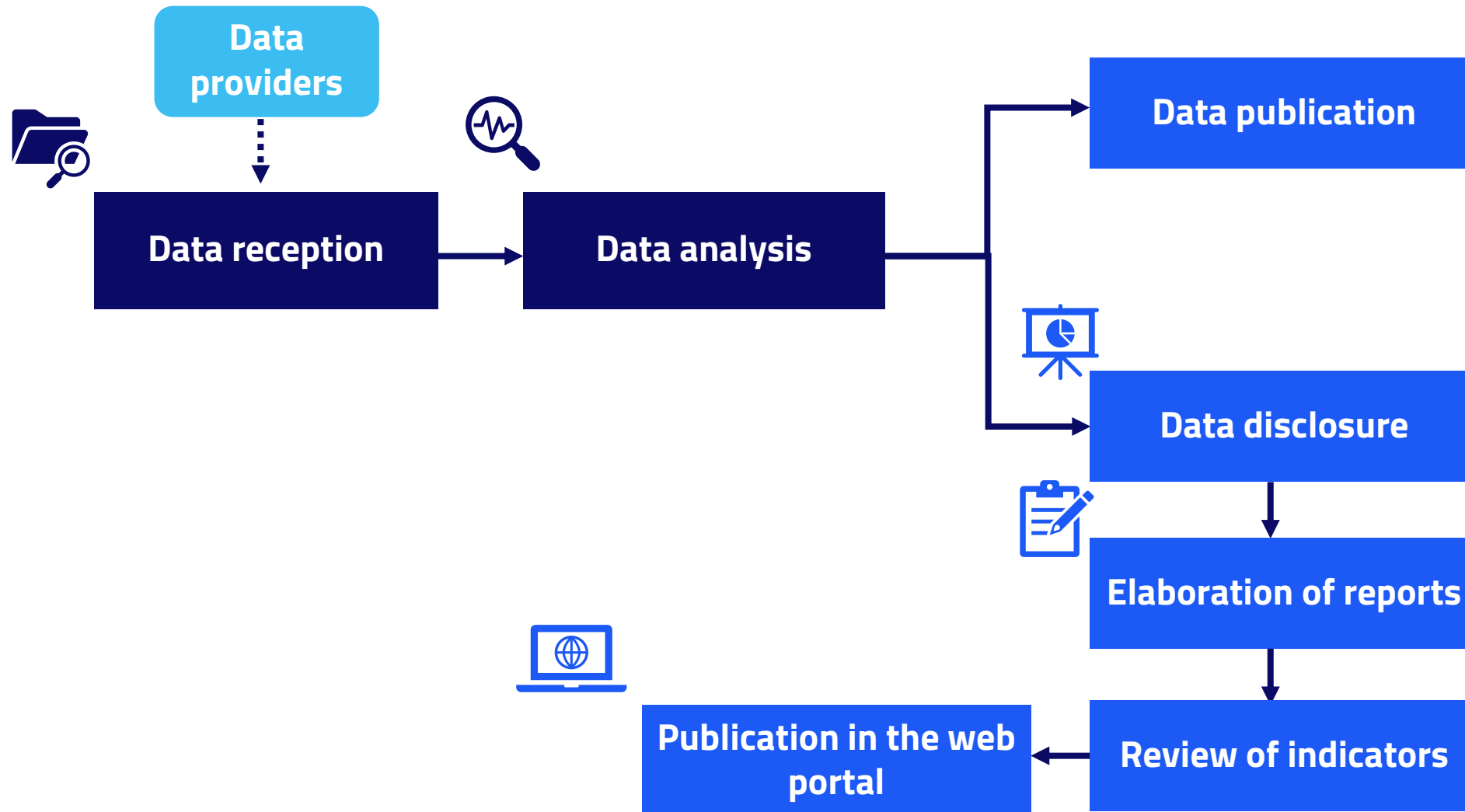


- First online in October 2024
- New portal online in December 2025

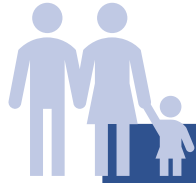
<https://onpe.pt/>



Monitoring framework

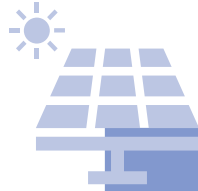


Key Instruments PACPE 2025



Support Programs for Families

- Program for More Sustainable Families
- Efficiency Voucher Program
- E-LAR



Energy Sharing & Consumer Protection

- Renewable Energy Communities
- Social Energy Tariff
- Protection of vulnerable customers



Information

- REE – Energy Spaces Network
- Atlas
- Index (Interactive Map)

Thank you for your attention

madalena.santos@adene.pt
onpe@adene.pt



**OBSERVATÓRIO
NACIONAL
POBREZA
ENERGÉTICA**



Adene
Agência para a Energia



SaveEnergyTogether

Boosting joint energy efficiency 1st interventions

João Alpalhão

26/02/2026



Co-funded by
the European Union

Disclaimer: The views expressed in this presentation are the sole responsibility of the author and do not reflect the views of the funding body, the European Commission.

SaveEnergyTogether

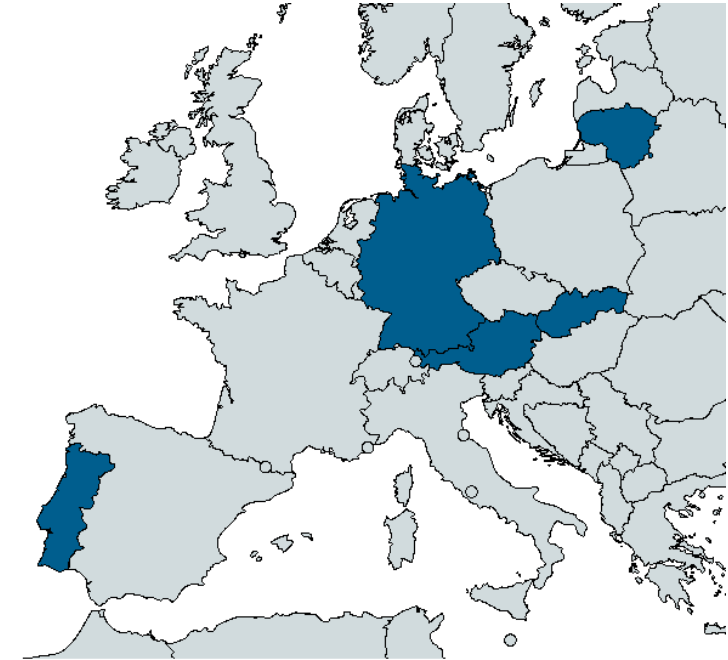


Duration: January 2024 to Decembre 2026 (36 meses)

Financing: LIFE-2022-CET-EE1st: Making the "Energy efficiency first" principle more operational

Consortium:

- Austria: AEA (Energy Agency | **Coordinators**)
EAT (Regional Energy Agency)
- Germany: Climate Alliance
eza! (Regional Energy Agency)
- Slovenia: ZPS (Consumer Association)
- Lithuania: LCA (Consumer Association)
- Portugal: ADENE (Energy Agency)



SaveEnergyTogether Objectives

- **Identify, study, and implement short- to medium-term energy-saving measures** that enhance the principle of Priority to Energy Efficiency (with a primary focus on citizens vulnerable to energy poverty).
- **Define a pilot territory** for which an action plan will be developed aimed at implementing energy efficiency measures, preferably low-cost or no-cost, that contribute to promoting the “priority to energy efficiency.

Municipality of Braga



Campaign Implementation Group (CIG)

- Regional/local group composed of relevant stakeholders from the social, public, market, and service sectors, committed to actively supporting the development of the action plan for the respective pilot territory.
- The partners of the **SaveEnergyTogether** project, in collaboration with the respective CIG, are responsible for:
 - Defining, coordinating, and adapting an information campaign aimed at promoting the implementation of low-cost or no-cost energy efficiency (EE) measures for each pilot territory;
 - Identifying the EE measures best suited to the respective pilot territory;
 - Ensuring that, from the citizens' perspective, these EE measures are tangible, feasible, and impactful;
 - Defining local-level actions to be integrated into the information campaign and ensuring their implementation;
 - Identifying capacity-building actions (targeting the general public, installers, and regional/local energy technicians) that have an impact on the pilot territory, focusing on topics such as efficient energy consumption, eco-driving, the performance of heating/cooling systems, and other related areas.

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SaveEnergyTogether | Highlights in Braga

Braga Pilot: Planning

STEP

01

Identification of the pilot region / target audience

Municipality of Braga / vulnerable citizens living in municipal neighbourhoods (Andorinhas and Parretas).

STEP

02

Definition of the action plan

Simple, low-cost or behavioural interventions aimed at helping to mitigate energy poverty in these communities.

STEP

03

Areas/themes

Space heating and cooling; domestic hot water (DHW) production; electricity; transport/mobility sector.

STEP

04

Approach/strategy

Design and implementation of an information campaign and promotion of energy literacy targeted at the project's audience.

Highlights of the Awareness Campaign

Energy Literacy Sessions in Braga Schools (“Rota da Energia”)



Participation of **students from various education levels** (from primary school to secondary school).



High satisfaction among the teachers and students involved.



More than 15 sessions delivered, reaching over **600 students** between April 2024 and May 2025.



An **effective approach** to reaching households through children/schools.



Combination of **educational content with practical**, hands-on guidance.

Highlights of the Awareness Campaign in Braga



together

Highlights of the Awareness Campaign

Initiatives aimed at vulnerable groups and the general public



Information/awareness sessions for **citizens living in municipal housing neighbourhoods** (Andorinhas and Parretas).



Synergies with **initiatives promoted by Braga City Council** (e.g. Circularity Week).



Door-to-door visits, focusing on housing units in the municipal neighbourhoods, in collaboration with the social support staff of BragaHabit.



Provision of **efficient devices** to residents of municipal neighbourhoods, with the aim of helping to **reduce electricity consumption and improve thermal comfort** in homes.

Highlights of the Awareness Campaign in Braga



SaveEnergyTogether | National HUB
saveenergytogether.adene.pt



PROJETO SAVE ENERGY TOGETHER

Impulsionar intervenções simples que visam a prioridade à eficiência energética

O Projeto

Plano de Ação

Iniciativas e atividades

Como Poupar ▼

Recursos

Contato

O Projeto

O SaveEnergyTogether é cofinanciado pelo programa LIFE da União Europeia, teve início a 1 de janeiro de 2024 e tem uma duração prevista de 36 meses. Os 5 Estados-Membros representados no consórcio, Alemanha, Áustria, Eslovénia, Lituânia e Portugal, identificaram um território piloto, para o qual será desenvolvido um plano de ação visando a implementação de medidas de eficiência energética (EE) comportamentais e de baixo-custo, com enfoque nos cidadãos em situação de vulnerabilidade à pobreza energética, em estreita colaboração com os agentes locais. Em Portugal, o território piloto será o Município de Braga, sendo a Câmara Municipal de Braga uma das entidades que apoiou o projeto desde o início. Entre as principais atividades do projeto incluem-se as seguintes:

Capacitação dos atores nacionais, regionais e locais responsáveis pela implementação dos respetivos planos de ação

Definição de novas metodologias de análise custo/benefício para avaliação de medidas de EE que privilegiem o princípio da “prioridade à EE”

Definição de procedimentos e metodologias que auxiliem na concretização das medidas de EE custo-eficazes e na monitorização da sua implementação.



Apoio à implementação do projeto

Para o desenvolvimento do SaveEnergyTogether, em particular as iniciativas previstas realizar para o território piloto de Braga, foi constituído um grupo de trabalho, denominado Campaign Implementation Group (CIG). Deste grupo fazem parte vários stakeholders de âmbito local e regional, onde se incluem os seguintes:

<p>Câmara Municipal de Braga</p> <p>A Câmara Municipal de Braga é um parceiro fundamental neste grupo de trabalho, fazendo a ponte entre todas as entidades nele representadas e, ainda, com o público-alvo do projeto, os cidadãos em situação de vulnerabilidade à pobreza energética. Terá ainda o papel de trazer para a discussão os temas estruturantes para o Município de Braga, em concreto, no domínio social e contribuindo para a promoção do desenvolvimento sustentável na região.</p> <p>cm-braga.pt</p>	<p>BragaHabit</p> <p>A BragaHabit é uma empresa municipal dedicada à reabilitação do edificado urbano e à gestão dos apoios sociais à habitação. O foco da sua atuação consiste em 3 pontos essenciais: mais e melhor habitação; respostas sociais a necessidades básicas à vida e incentivar à inovação pela inclusão. No centro da sua missão está o propósito de reduzir as dificuldades sociais e económicas dos cidadãos mais desfavorecidos.</p> <p>bragahabit.com</p>
<p>InvestBraga</p> <p>A InvestBraga é a Agência para a Dinamização Económica de Braga e atua como o braço económico do município, com a missão de promover o desenvolvimento económico da região. Ao apoiar na credibilização do município, enquanto parceiro de região, a InvestBraga promove a atração de investimento e de empreendedores, fazendo do fator inovação a principal vantagem competitiva.</p> <p>investbraga.com</p>	<p>Comunidade Intermunicipal do Cávado</p> <p>A Comunidade Intermunicipal do Cávado (CIM Cávado) engloba os concelhos de Amares, Braga, Barcelos, Esposende, Terras de Bouro e Vila Verde e tem por objetivo conjugar, promover e articular interesses comuns aos municípios associados, na área dos serviços coletivos de proximidade, e dos investimentos municipais.</p> <p>cimcavado.pt</p>
<p>Associação Empresarial de Braga</p> <p>A Associação Empresarial de Braga tem o estatuto de Câmara de Comércio e Indústria do Distrito de Braga e pretende impulsionar a atividade exportadora, a diplomacia económica e a atração de investimento na região. Assim como, estimular um desenvolvimento económico cada vez mais robusto e sustentável.</p> <p>asbraga.pt</p>	<p>Agência de Energia do Porto</p> <p>A Agência de Energia do Porto visa promover a inovação e o exercício de boas práticas por parte de gestores municipais e, em geral, junta de todos os agentes do mercado e dos cidadãos, contribuindo para o desenvolvimento sustentável através da utilização inteligente da energia e da sua interface com o ambiente.</p> <p>adeporto.eu</p>
<p>Rede Europeia Anti-Pobreza</p> <p>A Rede Europeia Anti-Pobreza é a maior rede europeia de redes nacionais, regionais e locais de ONGs, bem como de Organizações Europeias ativas na luta contra a pobreza. As áreas de atuação da EAPN incluem: informação, formação, investigação e apoio técnico,</p>	

Iniciativas e atividades

Da escola ao bairro: sessões de literacia energética e capacitação em Braga



A ADENE regressou a Braga para dinamizar novas ações de sensibilização junto da comunidade local, com foco na literacia energética e na inclusão social no âmbito da transição energética.

[Ver mais](#)

Sessões de Sensibilização para a Poupança de Energia – Bairro das Andorinhas



Braga acolheu a primeira ação do projeto SaveEnergyTogether, iniciando a promoção da eficiência energética na comunidade. Esta sessão permitiu compreender as dinâmicas locais e articular os próximos passos.

[Ver mais](#)

Sessões da Rota da Energia chegam a várias escolas do município de Braga



A Rota da Energia continua a percorrer o caminho da literacia energética. Em abril de 2024 passou por várias escolas no concelho de Braga, num total de 14 sessões, onde participaram 608 alunos.

[Ver mais](#)

SALA DE ESTAR

>> EQUIPAMENTOS ELÉTRICOS

Use tomadas múltiplas com interruptor ON/OFF: Mesmo em modo de standby, estes equipamentos consomem muita energia.



Porquê usar o modo de poupança de energia?



Pode reduzir o consumo de energia em cerca de 10 %.

>> ILUMINAÇÃO

Desligue sempre as luzes quando não forem necessárias.



Quais as vantagens das lâmpadas LED comparativamente às fluorescentes?
→ Consomem menos energia
→ Maior tempo de vida útil

Onde deitar fora lâmpadas LED usadas?



Não colocar no lixo doméstico
→ Ponto de recolha de resíduos
→ Loja de eletrodomésticos



Dicas sobre poupança de energia, aquisição de equipamentos e a nova etiqueta energética, podem ser encontradas aqui:
→ <https://novaetiquetaenergetica.pt> → <https://topten.pt> → <https://poupaenergia.pt>

AVISOS LEGAIS

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Texto e edição: Altan Salvin, Kerstin Schöcher (Agência de Energia Austríaca)

Ilustrações e gráficos: Barbara Lewell

Vienna, 2025



Co-funded by the European Union



save energy together



AUTRIAN ENERGY AGENCY



adene Agência para a Energia



DIE UMWELT BERATUNG

Poupe eletricidade de forma simples

Com estas dicas, uma família de 4 pessoas pode reduzir o seu consumo anual de energia em 30% = até 1.000 quilowatt-hora (kWh)



COZINHA

>> REFRIGERAÇÃO E CONGELAÇÃO



Abra a porta apenas por breves instantes



1 quilowatt-hora (kWh) de eletricidade:

1 lavagem a 40°



15 t-shirts



100 horas



1 almoço



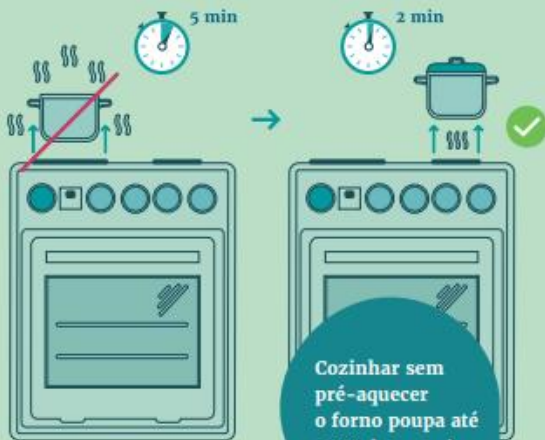
130 torradas



Colocar o frigorífico num local fresco reduz o consumo de eletricidade em 5%.

PORTUGIESECH

>> COZINHAR / FOGÃO E FORNO



Cozinhar sem pré-aquecer o forno poupa até 20% de energia

Como ferver água sem desperdiçar energia



CASA DE BANHO

>> LAVAR ROUPA / MÁQUINA DE LAVAR ROUPA



Encha o tambor

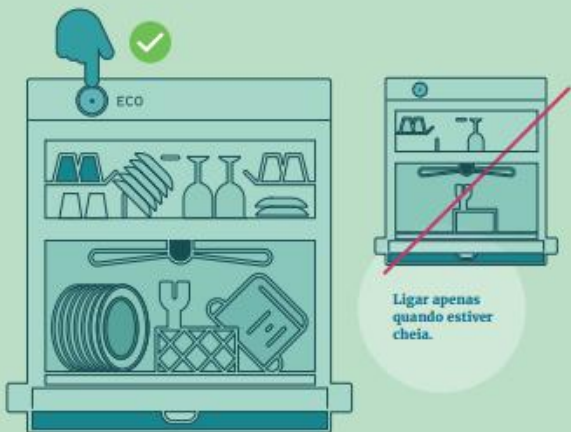
Para as máquinas mais recentes, 30-40° C são suficientes para lavar a roupa – desta forma irá poupar energia.

Porquê usar o programa económico?



Poupa energia e água, pese embora demore mais tempo.

>> LAVAR A LOIÇA / MÁQUINA DE LAVAR LOIÇA



Ligar apenas quando estiver cheia.

Porquê usar uma máquina de lavar loiça?



Poupa 75% de água e 25% de energia.

>> SECAR ROUPA / ESTENDAL

Sempre que as condições meteorológicas o permitam estenda a roupa no exterior. Em casa estenda a roupa em divisões aquecidas.



Evite secar a roupa sobre os radiadores. Pode danificar o equipamento e a roupa.

Porque razão deve evitar usar a máquina de secar roupa?

Consome muita electricidade – para uma família de 4 pessoas, cerca de 200 quilowatt-hora (kWh por ano). Se a utilizar, escolha sempre o programa económico.



SaveEnergyTogether | Highlights in Europe

Lithuania | LCA

Awareness Sessions in Public Spaces



Austria | Tyrol Energy Agency

Demonstration: How to properly use Space Heating with firewood



Slovenia | ZPS

Initiatives in partnership with other planned events



Električna energija, dvotarifno merjenje, oktober 2025

Ponudbe smo preverjali 1. 10. 2025. Podatke smo zbrali na podlagi informacij, ki so dostopne na spletnih straneh dobaviteljev, zato potrošnikom svetujemo, da pred podpisom pogodbe skrbno preberejo dokumente.

Dobavitelj	Paket	VT Cena brez DDV €/kWh	MT Cena brez DDV €/kWh	Dodatni stroški	Opombe
1	Bisol Energija paket Fikani	0,12700	0,10700	mesečna naročnina 1,99 € z DDV/mesec	kupec lahko zamenja izbran paket za dobavo električne energije enkrat v obdobju 12 mesecev
2	Bisol Energija paket Fikani z vezavo	0,11600	0,09600	mesečna naročnina 1,99 € z DDV/mesec	pogodbeni kazni za predčasni odstop minimalno 39 €, na voljo 14 dni od sklenitve pogodbe za preizkus in premislek; znotraj tega obdobja se lahko pogodbo preklic brez obveznosti
3	E3 E3 NAPREDNI - redna ponudba	0,19795	0,06095	strošek podpornih storitev: 2,42 € z DDV/mesec	e-račun ali račun v elektronski obliki; brez vezave; ugodnost za člane Petrol kluba (Petrol je matična družba E3); v zameno za 900 Zlatih točk si lahko odjemalec strošek elektrike zniža za dodaten 1 € na mesec; ugodnost je stalno v ponudbi



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Energy Literacy Sessions



OPEN HOUSE DAY

- ▶ First run: 11th November 2024
- ▶ Second run: 09th November 2025
- ▶ 2 municipalities
- ▶ 18 buildings

Feedback

- ▶ visitors from surrounding municipalities
→ expansion in the next year
- ▶ Main interest: modernisation, not PV



Seite 5 Quelle:



INEFFICIENT ELECTRICAL

DEVICES

Opfenbach:

- ▶ 12 Participants (by today)
- ▶ Combined approach for everyone
- ▶ Average consumption of your refrigerator
- ▶ If applicable: consumption of a modern one
- ▶ Either manufacturers research
- ▶ Or estimate:

$$SAE = C \times D \times \sum_{c=1}^n A_c \times B_c \times [V_d/V] \times (N_c + V \times r_c \times M_c)$$



Seite 10 Quelle:

Next Steps

01

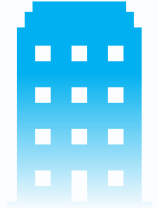
Awareness Sessions



Close the cycle of awareness sessions in schools (secondary and/or vocational education).

02

Door to Door Visits



Promote direct contact with residents of municipal neighbourhoods and the wider community.

03

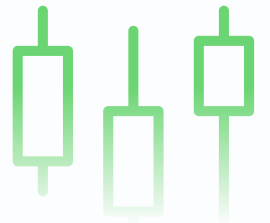
Senior University and Day Centres



Extend awareness sessions to the Senior Academy and/or day centres.

04

Communication



Continue disseminating information materials and promoting the Braga Energy Space.



Adene

Agência para a Energia

Thank you

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