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ENPOR - Actions to mitigate energy poverty in the private rented sector

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Introduction and objectives

ENPOR is a Coordination and support action funded under the European Commission H2020 Programme, with the objective to mitigate energy poverty in the private rented sector.

Energy poverty is increasing in the private rented sector (PRS), which presents quite specific issues: a) the difficulty to identify and quantify energy poor households in the PRS; and b) structural problems, such as information deficits, split incentives and others making the delivery of energy efficiency measures to these households difficult. ENPOR aims to overcome both challenges – making energy poverty in the PRS visible and as far as possible quantifiable, and also test energy efficiency support schemes to address it. This can increase the effectiveness of policies at local or regional level, and help the alignment of structural measures. Dedicated actions are therefore needed that actively contribute to alleviating energy poverty in the PRS by identifying energy poor tenants (and respective homeowners) as well as understanding and addressing their needs. To this end, ENPOR will support the adaption and implementation of ten policies in 7 EU Member States tailored to the specific needs of the PRS and will integrate them into broader policy objectives.

ENPOR will support the design and implementation of national policies tailored to the specific characteristics of the PRS, considering the needs of tenants and property owners.

The main objectives of the project are the following:

1. Deepen understanding on energy poverty policies for the private rented sector.
2. Monitor dimensions of energy poverty in the private rented sector.
3. Support the set-up and implementation of energy efficiency policies to alleviate energy poverty in the private rented sector.

The design of the policies will be based on the understandings developed by the EU Energy Poverty Observatory (EPOV), the stakeholders' exchanges on best practices within the REACT groups and with the unions of property owners and tenants as well as the experience on implementing such policies by national and regional Energy Agencies and experts.

The capacity building actions will facilitate the achievement of the third project objective, the design and the implementation of energy efficiency policies and measures for energy poverty in the PRS in the partners' Member States. They are also functional and complementary to the policy development, but they should take into consideration and integrate the results of the activities aiming at objectives 1 and 2.

ENPOR national policies differ one from the other, although they were selected by taking into consideration their contribution to the alleviation of energy poverty until 2030 and their integration into the draft National Energy and Climate Plans (2019).

ENPOR policies are clustered in a) grants for building renovations, including fuel switch and small-scale renewables; b) training & information, soft measures; c) programme support action, including guidelines to better identify energy poverty; and d) Energy Efficiency Obligation Scheme (EEOS).

This deliverable provides **common guidelines and an archive of free and reliable training resources**. The **content selection needs to be adapted by the different partners in order to take into account the specific national context and the specificity of the policy analysed**.

Requirements of REACT Group members

Task 4.2 Capacity building aims at “Providing capacity building towards relevant stakeholders to enhance the implementation of the ENPOR policies”.

ENPOR has established Regional Energy Action (REACT) groups in the countries involved in the project based on the Stakeholder Engagement Strategies (T4.1), with the aim to co-create the ENPOR policies, discuss insights, provide monitoring data, and facilitate the adoption of the policies by households, property owners and related market players. The members in the REACT groups are organisations involved in the energy efficiency value chain that can contribute to the policies’ co-design (the list is not exhaustive), such as follows:

- Landlords / co-owners’ associations,
- Charitable and social work associations,
- Energy agencies / energy consultants,
- Municipality / regional / national policymakers,
- Citizens groups / NGOs and
- Utilities

The role of these stakeholders is detailed in the Engagement strategy (D4.1), and the relevance of each type of stakeholder for the development and implementation of the ENPOR policies is outlined in the table below:

Table 1: REACT Groups’ stakeholders and their roles

Stakeholder	Role
Landlords/ Co-owners’ associations	To validate the feasibility of policies from the owners’ perspective and help them to renovate their stock and identify tenants at risk of energy poverty
Charitable and social work associations	Experience how to identify and communicate with energy poor households, support landlords in making their stock more energy efficient (e.g. following the social rented agencies type of model)
Energy Agency/ Energy consultants	To provide insights on how to improve energy consulting and realise effective policy implementation.
Municipality/regional/national policymakers	To give feedback on proposed policy design, help replicability and provide legislative and policy support and infrastructure
Citizens groups/NGOs	To demonstrate the needs, types of support they require, provide information on acceptability of the support scheme, provide bottom-up insights
Utilities	As main actors in rolling out social tariffs, discounts and various other energy poverty alleviating schemes, utilities can give feedback on their viability

The objectives of the awareness raising and training actions are strictly related to the role that is foreseen for stakeholders in the project, and the expected contribution they could provide. As the stakeholder groups are heterogeneous, their activities and contributions differ: some

need to be trained in specific subjects and, at the same time, they are experts in other relevant topics. For this reason, the REACT Groups could take advantage involving their members in the capacity building activities, not only as beneficiaries, but also as content providers.

Furthermore, a very important element is to address capacity building activities not only at the stakeholders' representatives directly involved in the REACT group meetings, but also at their networks, associations, and organisations of which they are members. This will allow a refraction process and a real and effective change in the policies implementation at national level.

Capacity building objectives

The **first step** when planning the capacity building activities is to identify the training needs of the different stakeholders. This is done using a **matrix** with stakeholders, topics on which the training should be provided, and single objectives per exchange.

The matrix shows the type of potential beneficiary and the level of attainment that should be aimed for in each resource and in each topic category. For each intersection of a course and a type of participant, the level of understanding expected is identified as one of the following:

- **Awareness (AW):** familiarity with the terms, understanding of the financial and technical benefits and the relevance of the issue
- **Knowledge (KW):** AWARENESS plus familiarity with the identification of the measures, understanding of their scope and how to access/implement them
- **Skill (SK):** AWARENESS and KNOWLEDGE plus the ability to use logical, intuitive and creative thinking as well as methods, materials, tools and instruments, in order to participate in the development of policies and implementation of measures.

The attainment of the **Awareness** level provides an introduction for everyone and can act as the appropriate level for managers and decision-makers. The attainment of the **Knowledge** level would be appropriate for architects and engineers, academics and students, consultants, and related partners. **Skill** is related to cognitive and practical knowledge, therefore, it is a level for all those who need to put something into action and need related specific training; this is associated to the "Responsibility and autonomy" concepts meaning the responsibility ability of the learner to apply knowledge and skills autonomously.

Although these definitions refer to the ones of the European Qualifications Framework (EQF)¹, here they are not used to build a path for obtaining a qualification, but rather to take into consideration the learning outcomes associated to the material selected, to understand, in a comparable way, what can be useful, for whom and at which level.

¹ <https://europa.eu/europass/en/european-qualifications-framework-eqf>

Table 2: Example of Capacity Building Matrix (Italy used as reference)

	Municipality Policymakers	Energy Agency / Energy consultants	Charitable and social work associations	Landlords Co-owners' associations	Citizens groups NGOs	Utilities
Technical						
RES Installations	AW	SK	AW	AW	AW	-
Green roof and walls	AW	KW	KW	AW	AW	AW
Building automation	AW	KW	SK	AW	AW	-
Building envelope	AW	KW	KW	AW	AW	-
Indoor comfort and IAQ	AW	SK	AW	KW	AW	AW
Energy Audit	KW	SK	AW	AW	AW	-
Financial						
National energy efficiency financial measures and fiscal incentives	KW	SK	KW	KW	AW	-
Thermal account	KW	SK	AW	AW	AW	-
EE National Fund	AW	KW	SK	SK	SK	-
Enviromental						
SECAP	SK	KW	-	-	AW	-
Behavioural change and social aspects						
Energy saving tips	-	-	SK	SK	SK	-
Energy label	AW	-	AW	AW	SK	-
Legal / regulatory						
.....						

Capacity building priorities

Based on ENPOR's reports "*Analysis of Private Rented Sector Policies and Measures*", "*Report on Energy Poverty in the Private Rented Sector in Europe*", "*Structural factors impacting energy policies in the European Private Rented Sector*" and an ad hoc questionnaire submitted to the REACT group leaders, the following priorities for capacity building activities have been identified:

- To provide tenants independent advice on energy efficiency at home using their appliances and at how to read electricity bills, boost sustainable behaviour in energy use and energy saving.**
 - Tips and advice on how consumption can be reduced sustainably through simple measures and changes in behaviour.
 - Understanding energy bills, finding appropriate tariffs and services.
 - Visual aids are extremely useful in conveying the information in a clear, simple and effective way.

2. Training staff members of health and social services that have direct access to energy poor households.

This target group has already established a trusted relationship with energy poor households and hence it will be much easier for them to be listened to when proposing solutions and to understand which ones are those appropriate for their client's needs and financial capacity.

3. To train energy advisors on social aspects related to energy poverty to build their confidence when dealing with vulnerable households.

They could also carry out a free domestic energy audit (during a visit at home) to identify where vulnerable households can use energy more efficiently, provide advice on affordability and incentivise the implementation of efficiency measures.

Energy advisors should also be trained on an ongoing basis in order to stay up to date on the technological solutions for energy efficiency available in the market so that they are able to suggest the most convenient and appropriate ones.

4. Training on how to access financing, how to process subsidy applications, social vouchers for energy support, about measures that provide financial help to pay electricity bills or to buy more energy efficient appliances (if available nationally).

Measures that target vulnerable groups should also take into consideration how these groups might perceive the procedures and conditions involved in applying for support. If the process is perceived as time consuming, complex and/or difficult, vulnerable groups, or rather all groups, can be more reluctant to apply. Hence, it would be very useful to train professional that have both the knowledge on these procedures and that are capable of communicating effectively and support energy poor households.

5. Training for landlords aimed at giving them the necessary knowledge on possible technical solutions or costs of energy efficiency interventions.

A lack of technical knowledge is a barrier that prevents the implementation of energy efficiency measures, whereby tenants and landlords are not fully aware of the benefits that the renovation could bring or are mistrustful of certain solutions. Mistrust in new technologies is often connected to lack of technological knowledge.

Moreover, most energy users think in a traditional way, and thus focus more on initial investment costs rather than operating costs and money saved over time.

A more active role of landlords should be stimulated by providing them information and support to better understand the advantages energy efficiency retrofit could bring to themselves and to the tenants.

6. To inform tenants about the benefits of energy efficient buildings, including those related to health.

- ✓ To highlight the health component as a key benefit. Awareness raising for vulnerable groups about the healthy impact of indoor comfort with the help of health care workers.
- ✓ Renters have generally poor maintenance standards; awareness on this topic should be stimulated.
- ✓ People tend to focus on price and costs rather than returns and ignore small energy saving opportunities.

7. Training for policy makers on the energy poverty issue and best practices for the rented sectors tenants, creating the conditions for implementing new policies.

FACTORS TO TAKE INTO ACCOUNT WHEN THINKING OF THE CAPACITY BUILDING ACTIVITIES TO PROPOSE

- ➔ An important factor is to ensure that the advice given to the intended beneficiaries is credible, unbiased and not exaggerated. Eligible beneficiaries, especially more vulnerable ones, need trustworthy advisers who are not trying to “sell” them goods and services.
- ➔ A mediation figure between landlords and tenants could help to remove frictions and facilitate renovation interventions and energy efficiency upgrading in homes to achieve the minimum standard required for existing buildings in each country.
- ➔ Independent and trusted guidance should be provided by local authorities and national property owners’ associations. They should be directly involved in providing a comprehensive service package with information on the most efficient technologies, available funding instruments, fiscal measures, lists of certified building professionals, etc. to property owners at the local level.
- ➔ Insecurity is a core component in tenants’ attitude; empowering their skills means unleashing their potential in playing a key role as consumers in changing landlord’s behaviours by demonstrating growing expectations about indoor comfort.

A possible solution to provide information and training is represented by the one-stop-shop, where it’s possible to find: expertise and bespoke services, tips and advices on how consumption can be reduced sustainably through simple measures and changes in behaviour, explanation on energy bills, support to find appropriate tariffs and services, how to come across technological solutions for energy efficiency available in the market, consult EPC to estimate heating costs. However, currently one-stop-shops are not yet designed in an appropriate way to reach low-income households who require specific outreach and engagement. To do this their service should be coordinated with existing social service networks and run by trusted local actors.

Minimum Data Set of learning resources

ENPOR has developed an inventory of the most useful related resources and best practices, which are assessed and organised in a series of “**Minimum Data Set (MDS)**”. The MDS aims at providing an easy way to identify the most useful available learning resources based on the specific needs of each partner. The catalogue can be improved and updated.

For each resource included in the MDS the following information has been identified:

- **Partner** providing the resource. If a partner proposes the use of a resource of other authors, he needs to check the availability of the resource, the permission issued on it, and validity of its contents. This field will be not public.
- **Author** of the resource

- **Name of the product/course**
- **Language** in which the resource is available
- **Publication date**
- **Beneficiaries (macro-categories):** the stakeholders have been divided in three groups in order to better understand the desired level of attainment in terms of capacity building, categorising prerequisites and training needs. Stakeholders have been grouped under:
 - Decision makers
 - Technicians
 - Consumers
- **More specific target group:** to identify the target for which the resource is specifically suited
- **Method** the learning materials are categorised as:
 - Webinar
 - Video lesson
 - E-learning course
 - PowerPoint presentation
 - Multimedia tool / App
 - Technical document
 - Paper / other document
 - Other
- **Duration:** time needed to spend on the educational / informative session or object. This is a relevant element when assessing a training resource. While it is easy to obtain this information for the video recording / e-learning, it also important to make an estimation also for other kinds of resources.
- **Short description** of the resource's contents
- **Level of attainment desired:** the same as the one used in the Matrix
 - Awareness
 - Knowledge
 - Skill
- **Insight given by the material on energy efficiency:** the content of the e-learning syllabus is divided into the following categories, all related to energy efficiency:
 - Financial
 - Technical
 - Legal / regulatory aspects
 - Behavioural change / social aspects
 - Environmental
- **Keywords:** useful to search through the MDS
- **Other information**

- **Link** to the resource

The MDS will facilitate the provision of training and capacity building programmes, technical notes and training courses that can be arranged by modules/topics, by level of attainment, by format, and other related traits.

Catalogue of learning resources

Title	KDZENERGY
Publication	2019
Target	Kids attending primary/secondary school
Author/partners	ENEA
Short description	Portal that offers multimedia tools and uses an experimental approach to place children at the centre of communication. The aim is to support teaching on sustainability issues, in particular the efficient use of energy at home
Method	Multimedia tool / App
Duration	NA
Level of attainment	AWARENESS
Energy insights	efficiency Behavioural change / social aspects
Link	www.kdzenergy.eu
Keywords	Behavioural change, energy efficiency, sustainability, consumption
Language available	Italian

Title	Italia in Classe A - Video lessons
Publication	2019
Target	Consumers & Technicians
Author/partners	ENEA
Short description	<ul style="list-style-type: none"> - App “Condomini + 4.0” Energy analysis: the lesson shows the use of the ENEA Condomini + 4.0 application for the energy survey of buildings, in order to get a preliminary assessment of the energy-structural vulnerability of condominium buildings; - Energy audit : the lesson clarifies the definition of energy audit and its requirements and explains how a diagnosis is developed; - Comfort indoor: Introduction to the aspects related to the comfort and air quality indoor and presentation of methodologies for monitoring indoor environments and information campaigns for the end user; - Thermoregulation and heat accounting: the lesson introduces the concepts of thermoregulation and heat accounting of centralized civil heating systems. Describes the methodology for sharing expenses, illustrating the case study of a condominium building; - Lighting energy consumption, technologies and legislation: starting from an analysis of consumption, it presents the existing technologies, the typical parameters of the light sources and concludes with the relevant legislation. - Energy Efficiency 01: the lesson aims to provide the tools useful for the study of the building-plant in order to evaluate the optimal design solutions, considering the climatic and parametric characteristics, illustrating the limits of stationary calculation models and advantages of dynamic methods; - Energy Efficiency 02: the lesson provides an overview of photovoltaic and thermal solar systems, explaining the

	<p>operating principles, the types of photovoltaic modules and systems, and the architectural integration aspects;</p> <ul style="list-style-type: none"> - Ventilation: the lesson explains the problem of indoor pollution, its causes and consequences on health, underlining the need for measures to preserve an acceptable indoor air quality. It introduces the different ventilation systems, distinguishing between voluntary and involuntary ventilation and showing examples of controlled mechanical ventilation – VMC; - Water saving: the lesson explains the need to combine energy efficiency with water saving and recovery. The systems for the recovery of rainwater are described with different characteristics. The formulas for sizing are illustrated, through a simplified and analytical method; - Energy Efficiency 03: the lesson presents the advantages of using innovative materials in construction, both in relation to the objectives of energy efficiency and sustainability, but also for thermohygrometric comfort, healthiness and the potential of new markets; - BIM: the lesson presents Building Information Modelling, introduces the methodology in the general aspects and the reference legislation, explains advantages and benefits for the construction cycle, with comparisons between the innovative approach and the traditional process.
Method	Video lesson
Duration	About 20 minutes for lesson
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Technical & behavioural change
Link	E-learning - ITALIA IN CLASSE A (enea.it)https://italiainclassea.enea.it/e-learning/
Keywords	RES, interoperability, comfort indoor, water saving, lighting saving

<p>Additional Information</p>	<p><i>ITALIA IN CLASSE A</i> is a national campaign promoted by the Ministry of Economic Development and carried out by the National Agency for Energy Efficiency of ENEA, aiming to promote the responsible and efficient use of energy and provide the tools and opportunities to achieve them in order to accelerate the energy transition process in Italy.</p>
<p>Language available</p>	<p>Italian</p>

Title	ES-PA – Energy and Sustainability for PA Energy Efficiency in building seminars
Publication	2019- 2021
Target	Decision makers, technicians
Author/partners	ENEA
Short description	<ul style="list-style-type: none"> - Climate change: EU strategies – PAESC - Energy audit of building: the lesson clarifies the definition of energy diagnosis and its requirements and explains how a diagnosis is develop; - Comfort indoor: Introduction to the aspects related to the comfort and air quality indoor and presentation of methodologies for monitoring indoor environments and information campaigns for the end user; - Changing Behaviour of consumers – theory and best practices - Energy Efficiency and refurbishment - the lesson aims to provide the tools useful for the study of the building-plant in order to evaluate the optimal design solutions, considering the climatic and parametric characteristics, illustrating the limits of stationary calculation models and advantages of dynamic methods; - Green roof - Energy Efficiency – sustainable construction materials: the lesson presents the advantages of using innovative materials in construction, both in relation to the objectives of energy efficiency and sustainability, but also for thermohygro-metric comfort, health.
Method	Video lesson
Duration	From 20 to 45 minutes
Level of attainment	AWARENESS and KNOWLEDGE

<p>Energy insights</p> <p>efficiency</p>	<p>Technical & behavioural change</p>
<p>Link</p>	
<p>Keywords</p>	<p>Energy saving, energy efficiency, sustainability, comfort indoor</p>
<p>Additional Information</p>	<p>Free but registration with password and login</p>
<p>Language available</p>	<p>Italian</p>

Title	Energy and buildings: tips for citizens and professionals
Publication	2016
Target	Professionals, building energy manager, apartment-block administrators, owners and tenants
Author/partners	ENEA
Short description	This course describes a series of tips aimed to increase the energy efficiency, to promote the use of renewable energies, and to favour energy savings in the building sector. The educational and practical format of the published material makes it a valuable source on how to choose amongst different actions to improve the energy use in buildings, according to the available budgets and type of buildings. Pros and cons of each proposed measure are evidenced as well.
Method	E-learning course
Duration	15 h
Level of attainment	SKILL–AWARENESS and KNOWLEDGE
Energy insights	efficiency Technical & behavioural change
Link	http://formazione.enea.it/

Keywords	Energy efficiency, energy retrofitting, behavioural change, RES technologies
Additional Information	This is a modular course that starts with basic notions and progresses with increasingly technical and detailed lessons
Language available	Italian/ English

Title	Politiche, Incentivi e Mercato del settore energetico
Publication	2017
Target	Decision makers & Technicians
Author/partners	ENEA
Short description	E-learning course that offers an updated framework on Italian energy strategies and policies, with insights on the technologies available to promote a sustainable energy system, on the incentives available to promote the production of electricity from renewable sources and for the energy requalification and renovation of buildings.
Method	E-learning course
Duration	20 h
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Technical & financial & regulatory aspects
Link	http://formazione.enea.it/
Keywords	Energy efficiency, fiscal incentives, refurbishment, electricity production
Additional Information	
Language available	Italian

Title	E-learning course: Energy strategies and Policies
Publication	2017
Target	Decision makers & Technicians
Author/partners	ENEA
Short description	E-learning course that offers an updated framework on Italian energy strategies and policies, with insights on the technologies available to promote a sustainable energy system, on the incentives available to promote the production of electricity from renewable sources and for the energy requalification and renovation of buildings.
Method	E-learning course
Duration	20 h
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Technical & financial & regulatory aspects
Link	http://formazione.enea.it/
Keywords	Energy efficiency, fiscal incentives, refurbishment, electricity production
Additional Information	
Language available	Italian

Title	Decalog and questionnaire on smart consumption
Publication	2018/2019/2020
Target	Consumers: Teachers and students of primary and secondary schools
Author/partners	ENEA – Green Cross Italia
Short description	Materials and contents for teachers, posters, questionnaires distributed in occasion of initiative of sustainable environmental education
Method	
Duration	NA
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Technical & behavioural change
Link	http://www.efficientzaenergetica.enea.it/pubblicazioni
Keywords	energy saving, consumption

Additional Information	Decalog for smart consumers Short document including advices for changing everyday behaviours, in order to save energy at school and at home Poster – Decalog Some data on energy final consumption in Italy Publication for teachers and students Measure your energy Questionnaire “How are you wasteful?”
Language available	Italian

Title	Manuale per abitare consapevolmente- Handbook to live in a conscious way
Publication	
Target	Consumers: It is addressed to people living in social housing
Author/partners	Casa SPA Firenze
Short description	Practical guidelines to better use energy (electricity and heating) and water at home. Sections include: water, lighting, comfort indoor, best practices, waste, shopping, glossary
Method	Document
Duration	NA
Level of attainment	AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	
Keywords	Environment/ comfort/ expenses/energy saving
Additional Information	Casa S.p.A. manages more than 12.000 dwellings of public social housing
Language available	Italian

Title	L'Etichetta Energetica 2021 - Energy labelling
Publication	2021
Target	Consumers: households (but not only)
Author/partners	ENEA
Short description	The brochure details the energy labels and standard product information of household, appliances (but also professional and commercial ones) in 2021 powered by electricity, their energy consumptions and related costs.
Method	Document
Duration	70 pages
Level of attainment	AWARENESS / KNOWLEDGE
Energy efficiency insights	technical / behavioural
Link	https://www.efficienzaenergetica.enea.it/pubblicazioni/l-etichetta-energetica-2021.html
Keywords	Appliances, label, energy saving
Additional Information	
Language available	Italian

Title	Energy Efficiency and Indoor comfort
Publication	2019
Target	Decision makers & Technicians: It is addressed to decision makers and technicians, but it can be useful also for students and citizens interested in this issue
Author/partners	ENEA
Short description	Introduction to issues related to comfort and Indoor Air Quality. Explanation of the regulatory framework, presentation of on-going activities on experimental methodologies for indoor monitoring and awareness raising campaigns for final users
Method	Video lesson
Duration	10 minutes
Level of attainment	AWARENESS
Energy efficiency insights	Technical aspects
Link	http://formazione.enea.it/
Keywords	Indoor air quality, comfort, wellbeing
Additional Information	
Language available	Italian

Title	Inventory of energy efficiency technical measures for energy-poor households
Publication	2021
Target	Consumers and Decision Makers
Author/partners	comACT project (Marin Petrovic - ENOVA)
Short description	<p>Table of Contents :</p> <ol style="list-style-type: none"> 1. Introduction <ol style="list-style-type: none"> 1.1. Typology of multi-family apartment buildings 1.2. Energy efficiency measures 2. Behavioural and legal measures 3. Building envelope <ol style="list-style-type: none"> 3.1. Thermal insulation of walls 3.2. Thermal insulation of roofs and ceilings 3.3. Thermal insulation of floors 3.4. Replacement of windows and doors 4. Heating system 5. Preparation of domestic hot water 6. Electric energy consumption 7. Overview of measures
Method	Report
Duration	NA
Level of attainment	KNOWLEDGE – AWARENESS
Energy efficiency insights	Technical & behavioural change

Link	https://comact-project.eu/wp-content/uploads/2021/06/D4.1-Identification-and-analysis-of-technical-measures-.pdf
Keywords	energy efficiency measures
Additional Information	Project H2020 - comACT - Community Tailored Actions for Energy Poverty Mitigation; https://cordis.europa.eu/project/id/892054
Language available	English

Title	Toolbox of financing models for energy-poor households
Publication	2021
Target	Decision makers and Technicians
Author/partners	comACT project
Short description	Report presenting the available financial models supporting energy-efficient renovation of multifamily residential buildings in the five target countries of the ComAct project –Bulgaria, Hungary, Lithuania, North Macedonia and Ukraine. They are collected and described with the specific goal of identifying individual approaches to the inclusion of households suffering or at risk of energy poverty in national and local renovation policies
Method	Document
Duration	
Level of attainment	KNOWLEDGE – AWARENESS
Energy efficiency insights	Financial aspects
Link	https://comact-project.eu/wp-content/uploads/2021/05/ComAct-D3.1-Toolbox-of-financing-models-final-layout.pdf
Keywords	Energy refurbishment, energy efficiency, financial incentives

Additional Information	Project H2020 - comACT - Community Tailored Actions for Energy Poverty Mitigation – IMPORTANT ISSUE- needed permission for using it
Language available	Italian

Title	Green school (Zelena škola)
Publication	2021 - TBC
Target	Children attending primary/secondary school
Author/partners	DOOR
Short description	Providing support to local schools to establish or strengthen their school volunteer clubs, and to include student volunteering for a greener environment in their school's activities. Students will have the opportunity to participate in recognising problems in their immediate community, shaping solutions through participatory discussion, which contributes to the individualisation of students, but also the development of awareness of civic responsibility for shaping public policies.
Method	-
Duration	-
Level of attainment	AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	
Keywords	Behavioural change, energy efficiency, sustainability, consumption, environmental aspects

Additional Information	DOOR already piloted this activity through the project My environment, my future which ended in 2019. http://www.moj-okolis.net/o-projektu/ (available only in Croatian) This will be the continuation of the previously piloted activity.
Language available	Croatian

Title	Save energy, waste arguments! (Štedimo energiju, rasipajmo argumente!)
Publication	2021 -TBC
Target	High school students
Author/partners	DOOR
Short description	Debates on energy and climate issues for high school students with special emphasis on legislation and advocacy of green policies while monitoring current socio-political frameworks
Method	Other
Duration	45 min/per debate
Level of attainment	AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	
Keywords	Behavioural change, energy efficiency, sustainability, consumption, environmental aspects
Additional Information	DOOR already piloted this activity through project My environment, my future which ended in 2019. http://www.moj-okolis.net/o-projektu/ (available only in Croatian) This will be the continuation of the previously piloted activity.
Language available	Croatian

Title	My sustainable school (Moja održiva škola)
Publication	2021 (the activity was implemented continuously over the last 7 years)
Target	Children enrolled in primary/secondary school
Author/partners	DOOR
Short description	The general goal is to contribute to increasing the knowledge of the citizens of the City of Zagreb about sustainable energy and climate change.
Method	Other
Duration	45 min/per workshop (3 workshops)
Level of attainment	AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	
Keywords	Behavioural change, energy efficiency, sustainability, consumption, environmental aspects
Additional Information	
Language available	Croatian

Title	Responsible consumption to a better climate (Odgovornom potrošnjom do bolje klime)
Publication	2021 (the activity was implemented continuously over the last 3 years)
Target	Children enrolled in primary/secondary school
Author/partners	DOOR
Short description	The aim of the project is to educate children as future consumers about sustainable consumption habits
Method	Power point presentation
Duration	45 min/per workshop (3 workshops)
Level of attainment	Awareness
Energy efficiency insights	Behavioural change / social aspects
Link	
Keywords	Behavioural change, energy efficiency, sustainability, consumption, environmental aspects
Additional Information	
Language available	Croatian

Title	Together to a more comfortable living (Zajedno do ugodnijeg stanovanja)
Publication	2021 (the activity was implemented continuously over the last 5 years)
Target	energy poor citizens
Author/partners	DOOR
Short description	Poverty reduction and social exclusion are addressed, combined with support for the homeless, socially vulnerable and marginalised groups
Method	Power point presentation
Duration	45 min/per workshop (3 workshops)
Level of attainment	AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	
Keywords	Behavioural change, energy efficiency
Additional Information	
Language available	Croatian

Title	Workshops on importance of SECAPs for local authorities
Publication	2021
Target	Local authorities
Author/partners	DOOR
Short description	Workshops on importance of SECAP for LAs and the methodology for the development of SECAPs
Method	Webinar
Duration	45 min/per workshop (3 workshops)
Level of attainment	SKILL–AWARENESS and KNOWLEDGE
Energy efficiency insights	Legal / regulatory aspects
Link	
Keywords	Strategic document; adaptation and mitigation measures
Additional Information	
Language available	Croatian

Title	Workshops on gender and health impacts of energy poverty
Publication	2021
Target	Decision makers & Technicians: social and health workers
Author/partners	DOOR
Short description	Poverty reduction and social exclusion are addressed, combined with support for the social and health workers, socially vulnerable and marginalised groups
Method	Webinar
Duration	45 min/per workshop (2 workshops)
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Behavioural change / social aspects
Link	
Keywords	Behavioural change, energy poverty mental health, gender aspect
Additional Information	
Language available	Croatian

Title	E-course Klimaatgesprekken voeren
Publication	2020
Target	Consumers
Author/partners	Klimaatgesprekken
Short description	E-learning course that offers lessons and tools to help people have effective climate conversations with people around them to enhance their impact.
Method	E-learning course
Duration	8x email
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Behavioural change / social aspects
Link	www.klimaatgesprekken.nl
Keywords	Behavioural change, climate conversations, sustainability
Additional Information	
Language available	Dutch

Title	Jouw Huis Slimmer
Publication	2019
Target	Consumers Citizens municipalities in and around Utrecht
Author/partners	Jouw Huis Slimmer
Short description	Website with (among others): advice to save energy, overview of subsidies, help to find professionals
Method	Other
Duration	NA
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Technical & behavioural change
Link	www.jouwhuislimmer.nl
Keywords	Energy efficiency, behavioral change, financial incentives
Additional Information	
Language available	Dutch

Title	Digital Energy Coach
Publication	2020
Target	Consumers Citizens Utrecht Municipality
Author/partners	Energie-U
Short description	Videocall with an energy coach for advice on all your energy questions
Method	Other
Duration	30 min.
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Technical & behavioural change
Link	https://www.energie-u.nl/activiteiten/digitale-energiecoach
Keywords	Energy efficiency, behavioural change, financial incentives,
Additional Information	Digital because of Covid-19
Language available	Dutch

Title	Energy Markets of Today
Publication	
Target	All
Author/partners	TU Delft
Short description	This course will help you understand the functioning of energy markets as the necessary first step to promotion of the energy transition. By using the European electricity market as an example, you will obtain a deeper understanding of its principles and effectiveness.
Method	E-learning course
Duration	5 weeks
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Technical & financial & regulatory aspects
Link	https://online-learning.tudelft.nl/courses/energy-markets-of-today/
Keywords	Energy; Markets; Tariffs; Electricity
Additional Information	
Language available	English

Title	Health, Housing and Educational Services
Publication	
Target	All
Author/partners	Columbia University
Short description	Housing and education are vital needs for families and individuals. This module will describe the current programs and tensions in the US housing and education system. The module begins with a review of tax expenditures as a significant component of US social policy
Method	E-learning course
Duration	5 weeks
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Technical & financial & regulatory aspects
Link	https://www.mooc-list.com/course/health-housing-and-educational-services-coursera
Keywords	Housing; Education; Healthcare
Additional Information	
Language available	English

Title	Financing Infrastructure in African Cities
Publication	
Target	Decision Makers
Author/partners	HIS
Short description	<p>This course aims at providing lessons on:</p> <ul style="list-style-type: none"> • Financial decision making environment in urban systems; • Mechanisms for mobilizing local revenues; • Innovative mechanisms for financing infrastructure projects through partnerships, and; • Financial decision making under uncertainties and risks We will provide you a carefully selected set of literature, quizzes and interactive discussion forums.
Method	E-learning course
Duration	5 weeks
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Technical & financial & regulatory aspects
Link	https://www.ihs.nl/en/education/moocs
Keywords	Housing; Finance
Additional Information	
Language available	English

Title	Electricity consumption at home. Household devices and lighting
Publication	2019
Target	Consumers: households
Author/partners	TREA
Short description	How to monitor your energy consumption at home. What to know about the light bulb when buying it. Energy label on light bulb.
Method	Power point presentation
Duration	2 hours
Level of attainment	AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	https://treasmartliving.blogspot.com/
Keywords	energy monitoring, energy label
Additional Information	
Language available	Estonian

Title	Smart Living blog
Publication	ongoing
Target	Consumers: households
Author/partners	TREA
Short description	Blog which gives advice on how to make smart decisions (energy saving) at home
Method	Other
Duration	
Level of attainment	AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	https://treasmartliving.blogspot.com/
Keywords	energy saving, energy efficient
Additional Information	Blog
Language available	Estonian

Title	Korterühistuste nõustamine
Publication	ongoing
Target	Decision makers & Consumers: home owners and associations
Author/partners	TREA
Short description	Technical and financial consultancy for full refurbishment of apartment buildings, energy audits and issuing energy labels
Method	Other
Duration	Realtime
Level of attainment	KNOWLEDGE + AWARENESS
Energy efficiency insights	Technical & financial & regulatory aspects
Link	https://www.trea.ee/teenused/
Keywords	deep renovation, refurbishment, apartment buildings, consultancy
Additional Information	
Language available	Estonian

Title	Energiamonitor
Publication	2020
Target	Decision makers & Consumers: housing associations
Author/partners	TREA
Short description	Online tool for collecting, analysing and visualizing the energy consumption in multi apartment buildings
Method	Multimedia tool / App
Duration	Realtime
Level of attainment	KNOWLEDGE + AWARENESS
Energy efficiency insights	Technical & financial & regulatory aspects
Link	http://emonitor.trea.ee
Keywords	energy monitoring, refurbishment, apartment building
Additional Information	
Language available	Estonian

Title	Alleviating energy poverty - Useful resources
Publication	2020
Target	All
Author/partners	Covenant of Mayors
Short description	'Alleviating energy poverty: Useful resources' gathers information on projects funded by the European Union. Next to these, the publication includes information about energy monitoring tools, guidance materials, recommendations on how to involve citizens in energy poverty projects, how to finance your projects and various policy materials.
Method	Other
Duration	
Level of attainment	AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	https://www.covenantofmayors.eu/index.php?option=com_attachments&task=download&id=806
Keywords	
Additional Information	
Language available	English

Title	Vulnerable Consumers and Fuel Poverty Report
Publication	2020
Target	Decision makers
Author/partners	Assist 2gether Project
Short description	Online tool for collecting, analysing and visualizing the energy consumption in multi apartment buildings
Method	Paper / other document
Duration	
Level of attainment	KNOWLEDGE + AWARENESS
Energy efficiency insights	Technical & financial & regulatory aspects
Link	http://www.assist2gether.eu/documenti/risultati/vulnerable_consumers_and_fuel_poverty_report.pdf
Keywords	
Additional Information	
Language available	English

Title	THE TENANT'S MANUAL: A GUIDE TO RESPONSIBLE ENERGY MANAGEMENT
Publication	2019
Target	Consumers: tenants
Author/partners	LEMON Project
Short description	The LEMON project guide was prepared to advise tenants on energy consumption and how to decrease their environmental footprint, save money and become responsible consumers.
Method	Technical document
Duration	
Level of attainment	SKILLS - KNOWLEDGE + AWARENESS
Energy efficiency insights	Environmental aspects
Link	https://drive.google.com/file/d/1NjnOGKylittD1O4IMa2scuB5Ts9XUFq0/view
Keywords	
Additional Information	
Language available	English

Title	Smart-Up Energy Diary: United Kingdom Spain Malta Italy France
Publication	2019
Target	Consumers: tenants
Author/partners	SMART-UP Project
Short description	The Energy Diary was developed to help consumers track their weekly/monthly electricity and gas costs over time, manage their budgets, reduce energy costs and to understand how to use the smart meter.
Method	Technical document
Duration	
Level of attainment	SKILLS - Knowledge + AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	
Keywords	
Additional Information	
Language available	English, Spanish, Italian, French

Title	How to alleviate energy poverty at local level? Get inspired by Covenant of Mayors cities & regions!
Publication	2018
Target	Decision makers: policy-makers
Author/partners	Covenant of Mayors
Short description	
Method	Technical document
Duration	
Level of attainment	
Energy efficiency insights	
Link	https://www.eumayors.eu/index.php?option=com_attachments&task=download&id=617
Keywords	
Additional Information	
Language available	English

Title	How to design effective policies against energy poverty in municipalities - presentations
Publication	2018
Target	Decision makers: policy-makers
Author/partners	Covenant of Mayors
Short description	
Method	Power point presentation
Duration	
Level of attainment	
Energy efficiency insights	
Link	https://www.eumayors.eu/index.php?option=com_attachments&task=download&id=548
Keywords	
Additional Information	
Language available	English

Title	How to design effective policies against energy poverty in municipalities - recording
Publication	2018
Target	Decision makers: policy-makers
Author/partners	Covenant of Mayors
Short description	
Method	Webinar
Duration	
Level of attainment	
Energy efficiency insights	
Link	https://eumayors.adobeconnect.com/puoc6cwbm7xm/
Keywords	
Additional Information	
Language available	English

Title	Introduction to energy poverty - leaflet
Publication	2018
Target	Decision makers & Technicians, policy makers
Author/partners	Covenant of Mayors
Short description	
Method	Technical document
Duration	
Level of attainment	
Energy efficiency insights	
Link	https://www.eumayors.eu/index.php?option=com_attachments&task=download&id=539
Keywords	
Additional Information	
Language available	English

Title	Les Mureaux, France: Fighting energy poverty through a network of committed actors
Publication	2017
Target	Decision makers & Technicians, policy makers
Author/partners	Covenant of Mayors
Short description	Case Study
Method	Paper / other document
Duration	
Level of attainment	
Energy efficiency insights	
Link	https://www.eumayors.eu/index.php?option=com_attachments&task=download&id=348
Keywords	
Additional Information	
Language available	English

Title	Porto, Portugal: Fighting energy poverty through deep renovation of buildings
Publication	2016
Target	Decision makers & Technicians, policy makers
Author/partners	Covenant of Mayors
Short description	Case Study
Method	Paper / other document
Duration	
Level of attainment	
Energy efficiency insights	
Link	https://www.eumayors.eu/index.php?option=com_attachments&task=download&id=267
Keywords	
Additional Information	
Language available	English

Title	Newcastle Upon Tyne, United Kingdom: Improving living standards and reducing energy poverty
Publication	2016
Target	Decision makers & Technicians: policy makers
Author/partners	Covenant of Mayors
Short description	Case Study
Method	Paper / other document
Duration	
Level of attainment	
Energy efficiency insights	
Link	https://www.eumayors.eu/index.php?option=com_attachments&task=download&id=263
Keywords	
Additional Information	
Language available	English

Title	'Ant's Guide' within the framework of Energy Ambassadors campaign
Publication	2011
Target	All
Author/partners	CRES
Short description	Guidance and tips for increasing the water and energy savings. Educational material providing guidance so as to tackle effectively energy poverty and help vulnerable groups in managing their water and energy consumptions through the intervention of social workers that were trained on these issues.
Method	
Duration	
Level of attainment	SKILLS – KNOWLEDGE - AWARENESS-
Energy efficiency insights	Technical & behavioural change
Link	
Keywords	Behavioural change, energy efficiency, energy vulnerable households, social workers
Additional Information	
Language available	Greek and English

Title	Training programm within the framework of Training for Energy Consumers Empowerment (TRECE) project
Publication	2020
Target	All
Author/partners	CRES
Short description	<p>Development of a MOOC for social agents and users' empowerment in order to engage people affected by energy poverty</p> <p>Topics:</p> <ol style="list-style-type: none"> 1. ICT tools and solutions for EE at home 2. EE appliances and equipment 3. Subsidies for energy poor people- financial models in each country 4. RES and climate change 5. Energy saving measures and measures of energy consumption interpretation 6. Energy suppliers and billing
Method	E-learning course
Duration	
Level of attainment	SKILLS – KNOWLEDGE - AWARENESS
Energy efficiency insights	Technical & behavioural change
Link	http://trece.eu/

Keywords	Behavioural change, energy efficiency, energy poverty
Additional Information	The preparation of the educational material have been completed, while the development of the MOOCs has started (official end of the project foreseen in September 2021)
Language available	Greek and English

Title	Multilingual energy saving tips
Publication	2018
Target	Consumers: low-income households, people with migration background
Author/partners	AEA - DIE UMWELTBERATUNG (Eco Counselling)
Short description	The information materials contain various tips on the topics of saving electricity, heat and water, and healthy living. They are provided in a total of 6 languages. They include suggestions for energy-saving use of appliances as well as general behavioural suggestions (such as proper ventilation techniques).
Method	Technical
Duration	
Level of attainment	KNOWLEDGE - AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	https://www.umweltberatung.at/spartipps-mehrsprachig
Keywords	Behavioural change, energy efficiency, sustainability, consumption
Additional Information	The content of the material is good and up-to-date. However, the implementation (design, length of tips, etc.) is outdated and would need considerable revision.
Language available	German, Bosnian-Croatian, Serbian, Turkish, English, Arabic

Title	Multilingual ecotips
Publication	2017
Target	Consumers – low-income households, people with migration background
Author/partners	AEA - DIE UMWELTBERATUNG (Eco Counselling)
Short description	<p>The first part of the information materials contains information on reducing hot water consumption. They contain brief and easy-to-understand explanations of various water heating systems as well as tips to reduce hot water consumption in everyday life.</p> <p>The second part presents different ways to cool in summer without an air conditioner and to avoid overheating in summer.</p> <p>The last part serves as a decision-making aid for heating with electricity. It presents different electric heating systems and also explains what better alternatives there are, since heating with electricity is very energy-intensive.</p>
Method	Technical document
Duration	
Level of attainment	KNOWLEDGE – AWARENESS
Energy insights	efficiency Behavioural change / social aspects
Link	https://www.umweltberatung.at/oekotipps-mehrsprachig
Keywords	Behavioural change, energy efficiency, sustainability, consumption

Additional Information	The content of the material is good and up-to-date. However, the implementation (design, length of tips, etc.) is outdated and would need considerable revision.
Language available	German, Turkish

Title	Faktencheck - Fact check
Publication	2019/2020
Target	Consumers – households
Author/partners	AEA - topprodukte.at
Short description	3 short videos for the efficient use of a fridge, dryer and the explanation of the eco-programme for washing machines and dishwashers.
Method	Video lesson
Duration	00:01:30
Level of attainment	KNOWLEDGE – AWARENESS
Energy efficiency insights	Technical & behavioural change
Link	https://www.youtube.com/watch?v=FhprQ3OxyP8&feature=youtu.be
Keywords	Behavioural change, energy efficiency, sustainability, consumption
Additional Information	
Language available	German

Title	Stromcheck - Electricity check
Publication	2020
Target	Consumers – households
Author/partners	AEA - topprodukte.at
Short description	Consumers can find out whether they are using too much electricity and get tips how to reduce their consumption. Consumers only have to give a few input data based on their annual electricity consumption, which can be found on their electricity bill.
Method	Multimedia tool / App
Duration	N.A.
Level of attainment	KNOWLEDGE – AWARENESS
Energy efficiency insights	Technical & behavioural change
Link	https://ratgeber.co2online.de/stromcheckbmu/aea
Keywords	Behavioural change, energy efficiency, sustainability, consumption
Additional Information	This tool was developed with a German Partner. The roll-out in other countries would mean the payment of a licence fee.
Language available	German

Title	Energy efficiency and energy saving Broschure for white goods and brown goods
Publication	2020
Target	Consumers – households
Author/partners	AEA - topprodukte.at
Short description	Simple tips for purchase decisions of new goods and the efficient use of them.
Method	Paper / other document
Duration	
Level of attainment	KNOWLEDGE – AWARENESS
Energy efficiency insights	Technical & behavioural change
Link	https://www.topprodukte.at/de/service/Folder-Download.html
Keywords	Behavioural change, energy efficiency, sustainability, consumption
Additional Information	
Language available	German

Title	Presentation at workshop
Publication	2020
Target	Decision makers: Policy makers, administrative staff, interested public
Author/partners	WI
Short description	Presentation on energy poverty in Germany (definition, indicators and strategies)
Method	Power point presentation
Duration	20 minutes
Level of attainment	KNOWLEDGE – AWARENESS
Energy efficiency insights	Technical & financial & regulatory aspects
Link	
Keywords	Regulatory framework, indicators, energy poverty drivers, programmes
Additional Information	
Language available	English

Title	Presentation at workshop
Publication	2019
Target	Decision makers & Consumers: Policy makers, administrative staff, interested public
Author/partners	WI
Short description	Presentation on the EU Energy Poverty Observatory with a focus on energy poverty indicators
Method	Power point presentation
Duration	20 minutes
Level of attainment	AWARENESS
Energy efficiency insights	Technical & financial & regulatory aspects
Link	www.energypoverty.eu
Keywords	EU Energy Poverty Observatory, Energy Poverty Indicators, Knowledge platform
Additional Information	
Language available	German

Title	Expenditure-Based Indicators of Energy Poverty—An Analysis of Income and Expenditure Elasticities
Publication	2020
Target	Decision makers: People interested in technicalities of energy poverty measurement
Author/partners	WI
Short description	The paper implements an analysis of the elasticities of two expenditure-based energy poverty indicators currently used by the EU Energy Poverty Observatory to changes in household energy expenditure and income
Method	Paper / other document
Duration	N.A.
Level of attainment	AWARENESS
Energy efficiency insights	Technical aspects
Link	https://www.mdpi.com/1996-1073/14/1/8
Keywords	EU Energy Poverty Observatory, Energy Poverty Indicators, Energy Poverty Impact Modelling
Additional Information	
Language available	English

Title	Energy poverty in the EU – indicators as a base for policy action
Publication	2020
Target	Decision makers: Policy makers, administrative staff, interested public
Author/partners	WI
Short description	The paper presents different approaches for measuring energy poverty in the EU and reflects on the suitability of different indicators as a basis for impact evaluation of policies.
Method	Paper / other document
Duration	N.A.
Level of attainment	AWARENESS
Energy efficiency insights	Technical & financial & regulatory aspects
Link	https://epub.wupperinst.org/frontdoor/deliver/index/docId/7345/file/7345_Vondung.pdf
Keywords	EU Energy Poverty Observatory, Energy Poverty Indicators, Development of Energy Poverty
Additional Information	
Language available	English

Title	Prepayment metering: Household experiences in Germany
Publication	2018
Target	Decision makers & Consumers: Policy makers, administrative staff, interested public
Author/partners	WI
Short description	The paper presents experiences with pre-paid metering in Germany.
Method	Paper / other document
Duration	N.A.
Level of attainment	AWARENESS
Energy efficiency insights	Behavioural change / social aspects
Link	https://www.sciencedirect.com/science/article/abs/pii/S1364032118306762
Keywords	Pre-Paid Metering, Smart-Meter Rollout, Debt control
Additional Information	
Language available	German - English

Title	EPOV Indicator Dashboard. Methodology Guidebook
Publication	2020
Target	Decision makers: Policy makers, administrative staff, interested public
Author/partners	WI
Short description	
Method	Technical document
Duration	N.A.
Level of attainment	AWARENESS
Energy insights	efficiency Technical aspects
Link	https://akaryon-epah.com/sites/default/files/downloads/observatory-documents/20-07/epov_methodology_guidebook.pdf
Keywords	EU Energy Poverty Observatory, Energy Poverty Indicators, Methodology
Additional Information	
Language available	English

Title	UIPI Feedback on the survey “The role of mandatory minimum requirements and their potential impact on increasing the rate of energy retrofits in the EU”
Publication	2020
Target	Decision makers & Technicians: EU legislator and UIPI's member associations
Author/partners	UIPI
Short description	Position paper that responds to an EU consultation on the possible use of mandatory minimum requirements to increase the rate of energy retrofits. The aim is to point out all the problematics related to the imposition of energy renovation without due incentives for the actors involved
Method	Paper / other document
Duration	N.A.
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Legal / regulatory aspects
Link	
Keywords	Mandatory minimum requirements, energy renovation, cost-effectiveness, split incentive, collaborative and gradual approach
Additional Information	
Language available	English

Title	Étude freins et motivations des propriétaires bailleurs pour la réalisation de travaux
Publication	2020
Target	Decision makers & Consumers
Author/partners	UNPI (Union nationale de propriétaires immobiliers, from France)
Short description	Survey to improve the knowledge of French landlords' main motivations and obstacles regarding building renovation.
Method	Technical document
Duration	N.A.
Level of attainment	AWARENESS
Energy efficiency insights	Technical & behavioural change
Link	
Keywords	Survey, landlords, renovation, motivations, obstacles
Additional Information	
Language available	French

Title	ABRACADABRA Deliverable 2.5: Final users constraints – Preliminary Report
Publication	2018
Target	All: Professionals, property owners associations, property owners, tenants
Author/partners	ABRACADABRA (Assistant Building’s addition to Retrofit, Adopt, Cure And Develop the Actual Buildings up to zeRo energy, Activating a market for deep renovation - Horizon 2020 project)
Short description	Deliverable 2.5 of the ABRACADABRA project, this report focuses on private property owners’ perspective on green renovation. The implementation of the AdoREs (Add-ons and renewable energy sources) concept in practice is highly challenging, as there are a lot of barriers of regulatory, financial, technical and social nature. The aim is to analyse them and propose solutions.
Method	Technical document
Duration	N.A.
Level of attainment	AWARENESS and KNOWLEDGE
Energy efficiency insights	Technical & financial & regulatory aspects
Link	
Keywords	Add-ons and renewable energy sources, technical challenges, financial challenges, regulatory barriers
Additional Information	
Language available	English

Title	National measures to relaunch the housing and building sector
Publication	2021
Target	All: Professionals, property owners associations, property owners, tenants
Author/partners	UIPI
Short description	Internal briefing note which reports two national measures, Superbonus and Ma Prime Rénov', as examples of positive attempts to relaunch the housing and building sector after the pandemic crisis
Method	Paper / other document
Duration	N.A.
Level of attainment	AWARENESS
Energy efficiency insights	Technical & financial & regulatory aspects
Link	
Keywords	National measures, Superbonus, Ma Prime Rénov', energy efficiency, incentives
Additional Information	
Language available	English

Organisational aspects

Capacity building activities should be carefully planned, managed, monitored, and promoted in order to reach the right beneficiaries in a successful way.

Although each ENPOR partner will decide which is the most suitable way to provide training for the chosen target, below some general suggestions are provided.

Checklist for training actions and awareness raising activities

- ✓ design the interventions by making clear scope/objectives for specified targets
- ✓ promote the initiatives internally through your organisation's networks
- ✓ involve the communication and dissemination working group
- ✓ collect data of participants for building a database of interested people
- ✓ insert GPD in the registration format
- ✓ evaluate and monitor each initiative

After each training and informative session, an evaluation questionnaire should be distributed to participants to gather their feedback and level of appreciation to adjust the approach accordingly. In **Annex I** some examples for questionnaires are provided.

ANNEX I – Questionnaire examples

We kindly ask you to fill in this short questionnaire which will help us understand if your expectations have been met and how we can improve (the questionnaire is anonymous).

EVALUATION QUESTIONNAIRE

1) The content was:

- already known
- partially known, but I was interested
- not known

2) The contents discussed:

- have been sufficiently detailed
- have not been sufficiently detailed. Please explain why:

3) The method used for the discussion of the topics was:

- Absolutely adequate
- Adequate
- Not adequate. Please explain why:

4) Were your expectations met?

- Yes
- Partially
- Not much

5) Do you have any suggestion, criticism or proposal?

6) Are there other topics you would like to be addressed?

7) Overall, was the course useful to strengthen your skills on the topics covered?

Not useful 0 1 2 3 4 5 6 7 8 9 10 Useful (0 = really not useful; 10 = really useful)

Thank you for your collaboration!

Satisfaction questionnaire (FOR AN EVENT)

1. **How did you find out about this event?** (Please specify below)

- ENPOR website
- ENPOR newsletter
- *Organization XXX* website
-
- Other –

2. **How would you rate the administration & management of this event?**

5- *Excellent* 4 - *Very Good* 3 - *Good* 2 - *Fair* 1- *Poor*

Comments:

3. **Please rate your satisfaction with today's venue in regard to *location, facilities, platform***

5- *Excellent* 4 - *Very Good* 3 - *Good* 2 - *Fair* 1- *Poor*

Comments:

4. **Please indicate how useful you found the content of today's event:**

5- *Excellent* 4 - *Very Good* 3 - *Good* 2 - *Fair* 1 - *Poor*

Comments:

5. **Please let us know if there is any way that you feel this event could have been improved or any subject that you feel should have been included:**