

From awakening (3rd energy package)

Supporting vulnerable consumers becomes crucial



Local Stakeholder Action

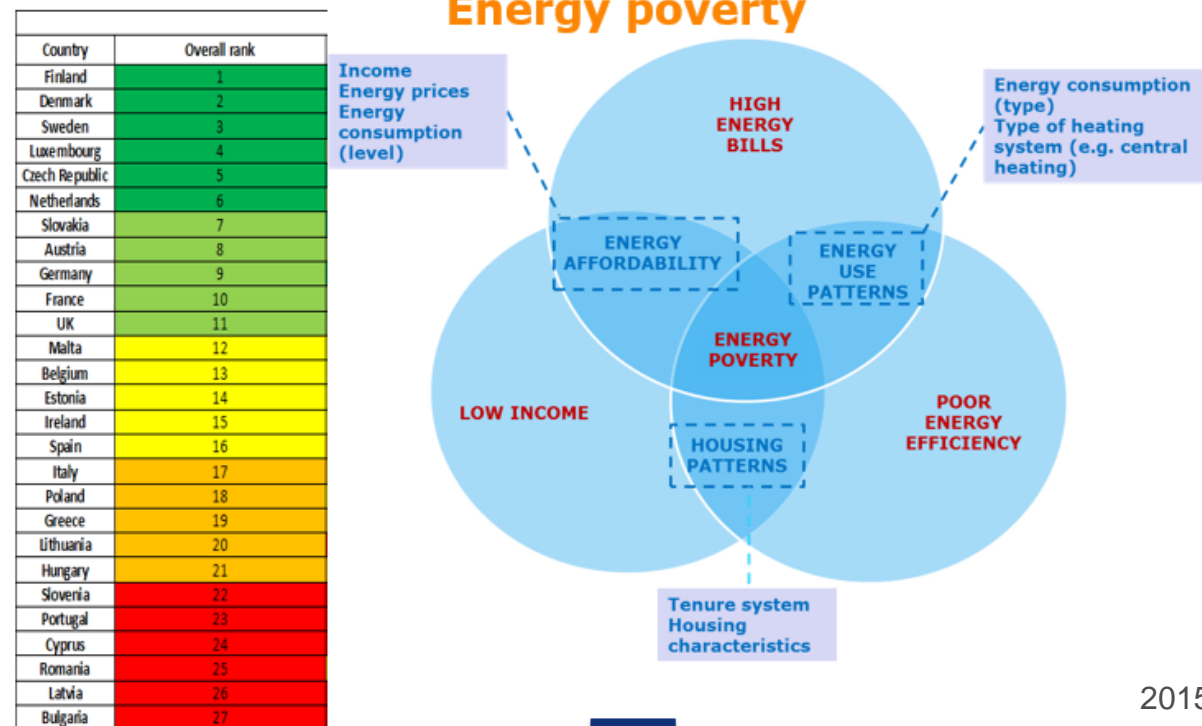
- Covenant of Mayors
 - » 4,754 signatories at present, representing local/regional authorities
 - » Commitment: reduce CO₂ emissions by 20% by 2020
 - » How? Energy efficiency measures and renewables



- Intelligent Energy Europe
 - » Energy efficiency and renewable energy policies
 - » Reaching the 2020 targets
 - » Pan-European actions e.g. ACHIEVE and EC-LINC

Fern Allin 2012

Energy poverty



2015

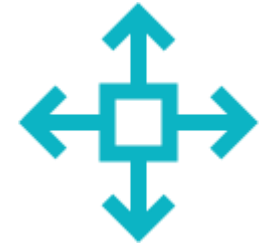
..via Energy Union

The EU legal framework on energy poverty

- Energy and Climate Governance Regulation 2018
 - ✓ Need to assess energy poverty and where significant design measures in the National Energy and Climate Plan
- Electricity Directive 2019
 - ✓ Sectoral framework for energy poor and vulnerable customers (protection from disconnections, direct support, flexibility for MS)
- Commission recommendation on energy poverty & set of energy poverty indicators 2020
 - ✓ Structural measures to address root causes of energy poverty



... to European Green Deal

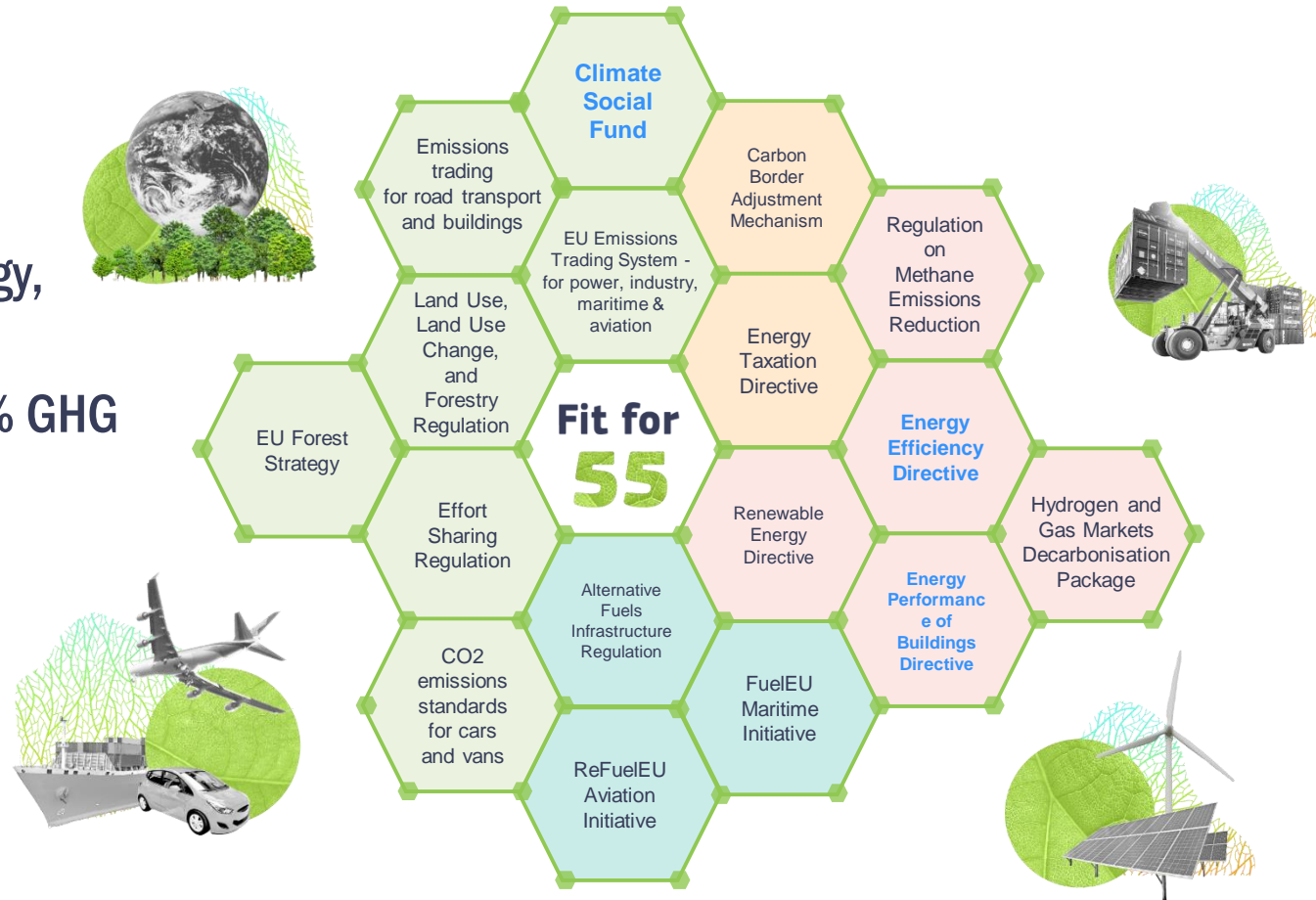


- ✓ Just transition to key pillar of the Green Deal (leave no one behind):
 - ✓ Carbon intensive regions (coal, peat and oil shale, carbon-intensive industries)
 - ✓ Individuals (in particular energy poor and vulnerable)
- ✓ European Pillar of Social Rights: energy essential service



...and credible path to climate neutrality

Upgrading climate, energy,
transport and taxation
measures to achieve 55% GHG
reduction by 2030



...with energy poverty mainstreamed

Fit for 55 Package (1/2)

- Proposal for recast of the Energy Efficiency Directive
 - ✓ EU-wide definition of energy poverty
 - ✓ Priority of energy savings for energy poor and vulnerable
- Proposal to set up a Social Climate Fund
 - ✓ financing of solutions to address root causes of energy poverty
 - ✓ Temporary direct income support



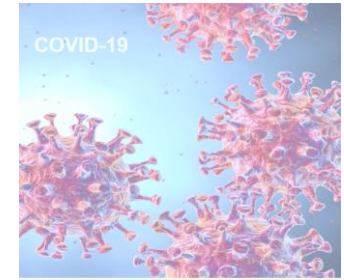
...throughout legislative proposals

Fit for 55 Package 2/2

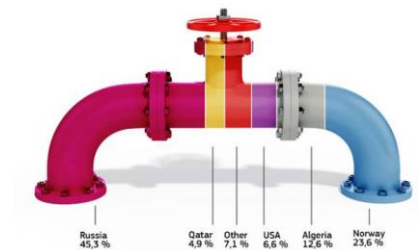
- Hydrogen and gas decarbonisation package
 - ✓ Mirror consumer protection provisions of the Electricity Directive
- Proposal for review of the Energy Performance of Buildings Directive
 - ✓ Renovation of worst performing buildings in application of minimum energy performance standards, to address the root causes of energy poverty
 - ✓ National building renovation plans will pay attention to monitoring the reduction of people affected by energy poverty
 - ✓ Member States are required to focus their financial support on the alleviation of energy poverty and to support social housing
- Proposal for Council recommendation on fair transition
 - ✓ COM proposal in December

... while crises add urgency

High energy price environment



- **Commission Communication on energy prices (October 2021)**
 - ✓ Short term: direct support to the most vulnerable
 - ✓ Medium term: Structural measures to address root causes of energy poverty
 - ✓ Closer co-operation on energy poverty among MS (new Coordination Group)
- **REPowerEU: Joint European action for more affordable, secure and sustainable energy (March 2022)**
 - ✓ Short and medium term: speed up European Green Deal and structural measures
 - ✓ Short term: Price regulation for consumers (in particular energy poor and vulnerable) possible.



Source: European Commission

And relying ever more on top down + bottom up cooperation



Thank you



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Slide xx: element concerned, source: e.g. Fotolia.com; Slide xx: element concerned, source: e.g. iStock.com



Energy poverty pillar in MyCovenant



Davide Cassanmagnago



Integration of energy poverty in the reporting template

The integration of Energy Poverty in the reporting template is composed by 4 elements

Reduction goal

Assessment tool

List of indicators

Actions



The energy poverty reduction goal

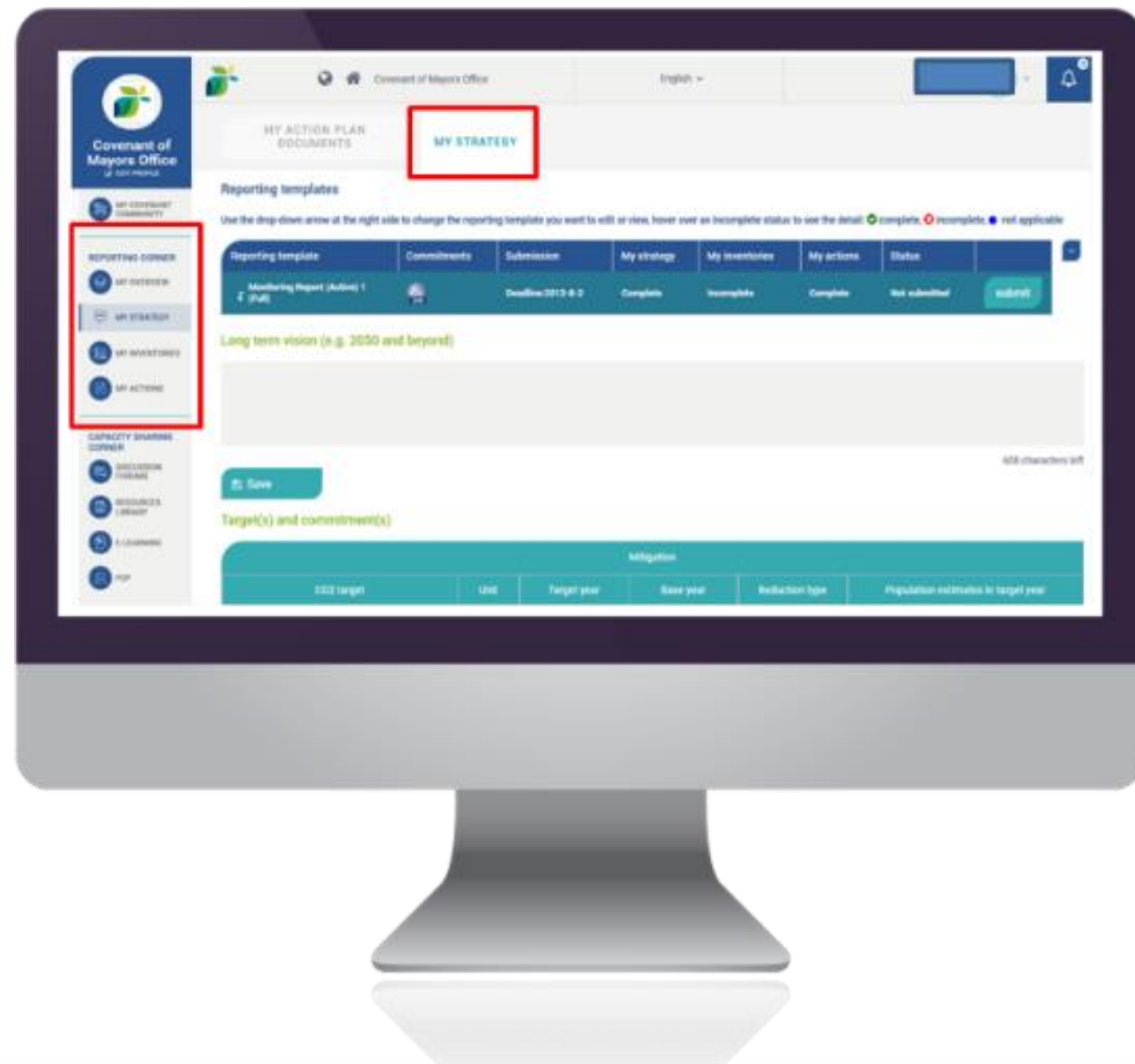
- A **political commitment** built on the EU-CoM commitment text

“Tackle energy poverty to ensure a just transition”

- ...supported by the possibility to choose **monitoring indicators** for quantitative targets



The energy poverty reduction goal



The goal on energy poverty in *MyCovenant* appears under **My strategy** in the Reporting corner > navigation tab **My strategy**



The energy poverty reduction goal

This is how the energy poverty goal appears in *MyCovenant*

Energy poverty		
Goal	Target year	Base year
Tackle energy poverty by [select target year] to ensure a just transition.	2022 ▾	1990 ▾

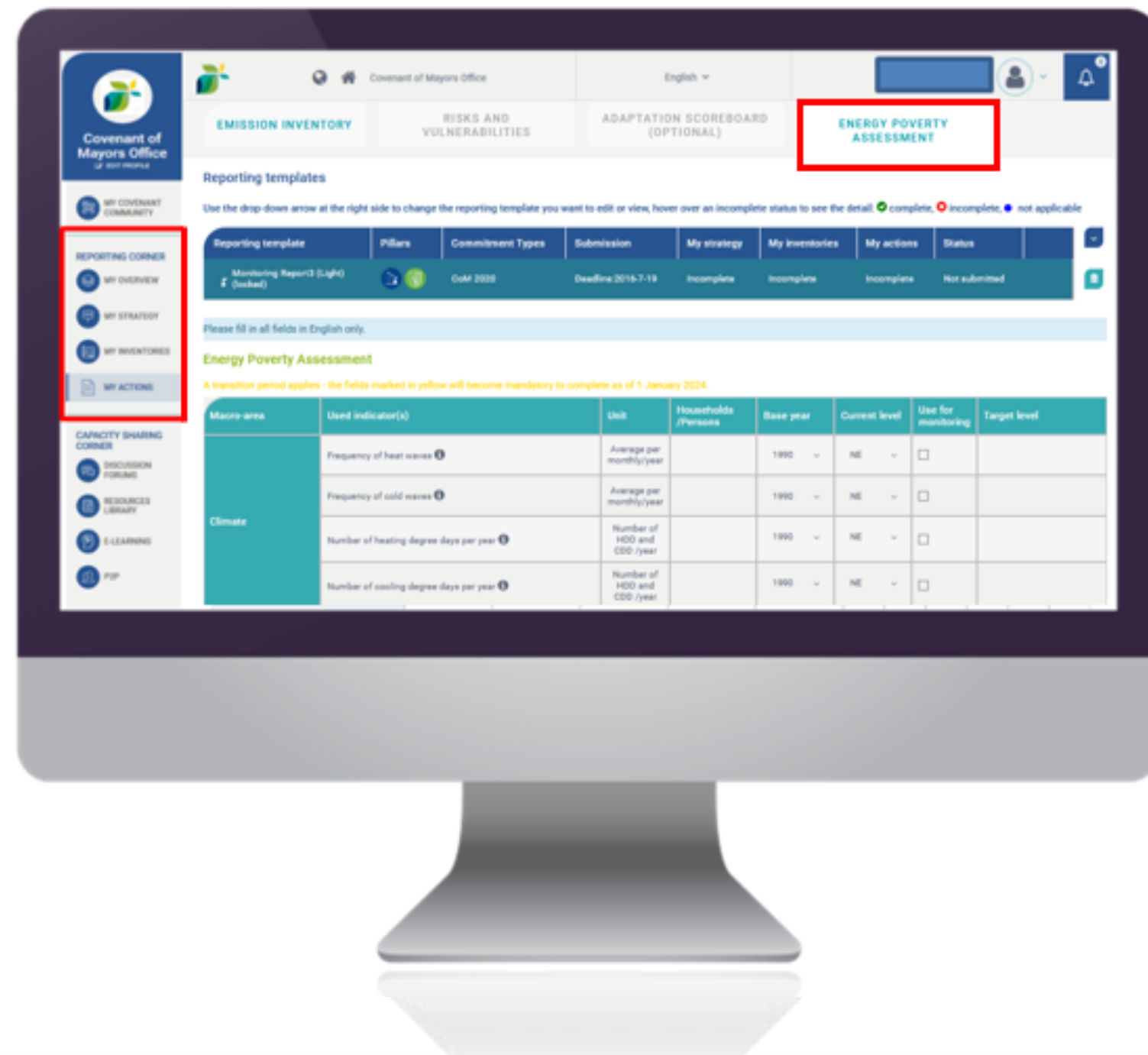


The assessment on energy poverty

- The assessment contains **a list of over 20 indicators**
- Indicators are grouped in **five macro-areas**: climate, facilities/housing, mobility, socio-economic aspects, policy and regulatory framework, participation and awareness raising
- A **definition** is included for each indicator, visible when hovering over the ⓘ symbol, along with the unit for the indicator



The assesment on energy poverty



The assesment on energy poverty in *MyCovenant* appears under **My inventories** in the Reporting corner > navigation tab **Energy Poverty Assessment**.



The assessment on energy poverty (list of indicators)

- The indicators which appear by default in the energy poverty assessment have been considered widely applicable. However, throughout the process of development of indicators a much **wider pool of indicators** emerged.

Add another indicator

Choose one indicator to add

Choose one indicator to add

[Facilities / housing] EPC bands of dwelling higher than B

[Facilities / housing] Households with centralised heating system / total households

[Facilities / housing] Ownership of heating and cooling systems

[Facilities / housing] Number of social housing apartments/total number of apartments

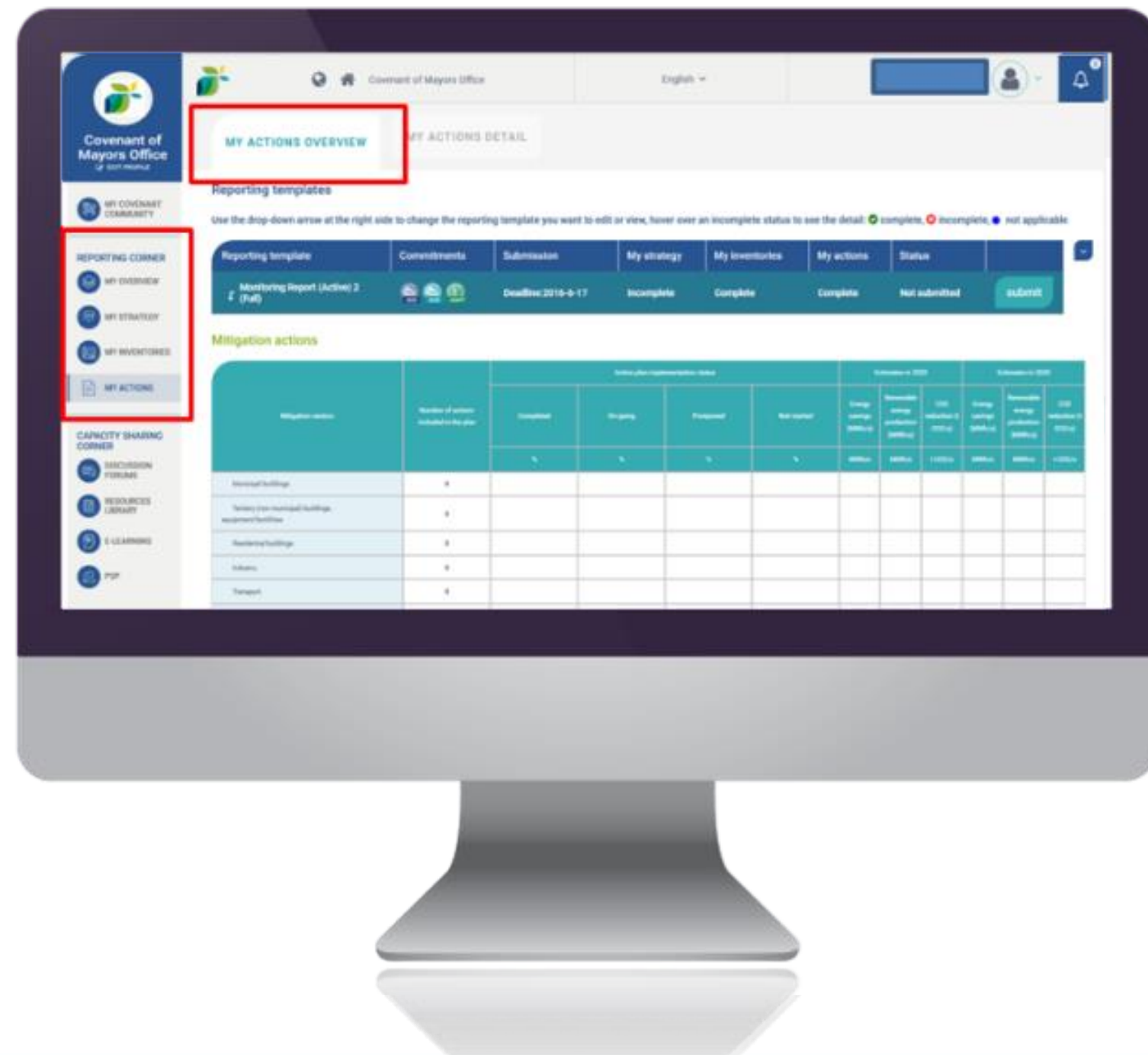
[Facilities / housing] Average energy demand of social housing buildings / sq.m.

[Facilities / housing] Low absolute energy expenditure (M/2)

[Facilities / housing] Number of households with only oil boilers, wood calefactions, conventional gas boilers



Actions on energy poverty



The actions on energy poverty in **MyCovenant** appear under **My actions** in the Reporting corner > navigation tabs **My Actions Overview** and **Action Details**



Actions on energy poverty

- **My Actions overview:** in the '**My Actions Overview**' tab the signatory is to indicate only the approximate number of actions included in the action plan document, per macro-area. At the monitoring stage the action implementation status fields appear
- **My Actions details:** when creating **new action** the signatory is to complete the generic information for actions and mark it as mitigation, adaptation or **energy poverty**



Actions on energy poverty

- In the 'My Actions Overview' tab the signatory is to indicate only the **approximate number of actions** included in the action plan document, per macro-area. At the monitoring stage the **action implementation status fields appear**

Energy poverty macro areas	Number of actions included in the plan	Action plan implementation status				
		Completed	On-going	Postponed	Not-started	Sum
		%	%	%	%	%
Climate						0.00
Facilities / housing						0.00
Mobility						0.00
Policy and regulatory framework						0.00
Participation / awareness-raising						0.00
Socio-economic aspects'						0.00
Total	0.00					



Actions on energy poverty

- When an action is specifically marked as '**Energy poverty**' **action**, the following energy-poverty specific information is to be provided:
 - Macro-area(s) that the action addresses;
 - Vulnerable population group(s) targeted;
 - Outcome(s) reached, including an indicator.

Action detail

Type of action

- ☐ Mitigation
- ☐ Adaptation
- ☒ Energy poverty



Integration of energy poverty in the reporting template

- **Transition period** until the end of 2024 with no mandatory data reporting requirements
- **Data which will become mandatory after the end of the transition period** has been marked in yellow MyCovenant along with a disclaimer on the application of the transition period
- An **annex document** with the list of all indicators considered is available
- **Reporting guidelines** on the use of the energy poverty pillar are also available in the public library and in MyCovenant



Energy Poverty Indicators

Launch of the Covenant of Mayors - Europe Pillar on Energy Poverty

Marco Pittalis

11.05.2022

Energy Poverty Indicators

Rationale behind the energy poverty indicators:

- Identify a set of indicators that encapsulate the multidimensional aspects related to the energy poverty theme
- Structure indicators according to level of relevance and sectoral categories of interest
- Frame indicators to allow flexibility in reporting

Process Followed



Long list of indicators



Categorization and classification of indicators



Inputs from practitioners and incorporation of feedback



Final list of indicators



Alignment with GCoM Energy Access and Energy Poverty Pillar

Final List of Indicators



56
Energy
Poverty
Indicators



6
Macro-Areas

- Climate
- Facilities
- Mobility
- Socio-Economic
- Policy and regulatory framework
- Participation Awareness raising



2
Priority Levels

- 24 Monitoring Indicators
- 32 Related Indicators

Example 1

Socio-Economic Indicators

Monitoring Indicator:

Percentage of persons / households spending up to XX % their income on energy services

Description:

Share of persons / households spending more than an specific percentage of their incomes on energy services putting them in an situation of energy poverty

Related Indicator:

Unemployment rate

Description:

The unemployment rate is a measure of the prevalence of unemployment and it is calculated as a percentage by dividing the number of unemployed individuals by all individuals currently in the labor force

Example 2

Regulatory Framework Indicators

Monitoring Indicator:
Existence of energy poverty strategy

Description:
Yes or no answer to the question: "Is there a energy poverty strategy"?

Related Indicator:
Existing incentives of landlord's programs

Description:
Yes or no answer to the question: "are there incentives/programs for landlords"?

Thank you



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EU Energy Poverty Advisory Hub

Energy Poverty – A socio-technical challenge

Heating



Cooling



Vulnerable consumers



Wellbeing

Social inclusion

Energy poverty - Challenges



Mission

The Energy Poverty Advisory Hub, the leading EU initiative run by the European Commission at the request of the European Parliament, is a collaborative network of stakeholders.

Vision Eradicate energy poverty and accelerate the socially just and fair energy transition of local governments.

Mission To become the central platform of energy poverty expertise in Europe

What we do



- ☐ Focus on the local level
- ☐ Create synergies with all layers of governance
- ☐ Build a collaborative network



What we provide

□ Research results, practical solutions and inspiration through

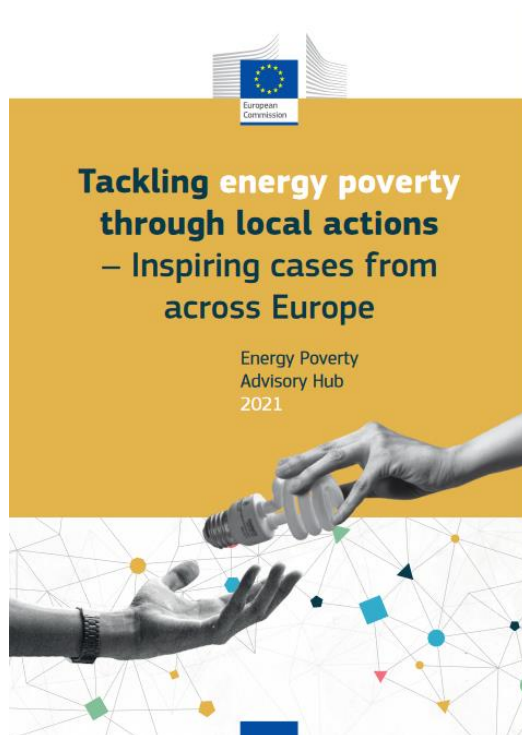
Reports



**Bringing Energy Poverty Research
into Local Practice: Exploring
Subnational Scale Analyses**

Energy Poverty
Advisory Hub
February 2022

2022



**Tackling energy poverty
through local actions
– Inspiring cases from
across Europe**

Energy Poverty
Advisory Hub
2021

2021

EPAH Atlas



2021

Upcoming - Handbooks

An action-oriented guide to start taking concrete action to combat energy poverty. With different information on:

- ❑ how to diagnose your local energy poverty situation
- ❑ how to plan your actions to reduce energy poverty
- ❑ how to implement your actions

Ongoing research on indicators and build on the experience in the upcoming years will provide the inputs to the Handbooks.

First release is Q2 2022



Start 2022

What we provide

- ❑ Learning opportunities (Online courses)
- ❑ Knowledge sharing environment (International & local events)



Available



Introduction to energy poverty and the EPAH – Introductory course



The "Introduction to energy poverty and the EPAH – *Introductory course*" is a short course open to all stakeholders interested in addressing energy poverty. It provides an overview of energy poverty from a practical-political perspective.


The course is open to all, and no prerequisites are needed.


The duration is approximately one hour and is made up of six lessons divided into three modules, which can be taken individually. Participants that complete all the modules will receive a course certificate.

The course is available in English with subtitles in 23 European languages.

Registration to the course is offered continuously. Every 1st and 15th of each month, the registrations will be checked and accepted. The user will receive an automatic notification (via email) with the indications to access the online platform.

To follow the course, you need to create an account to the Energy Poverty Advisory Hub platform and sign up for the course.

 **Open to all**

 **Available now**

 **Estimated effort:** 1 hour

 **Alternative languages:**

Italian

Spanish

Join the course

2021



Energy Poverty Advisory Hub CONFERENCE

“Moving towards energy autonomy:
How to guarantee social inclusion”
28-29 June 2022, Zagreb



GRAD
ZAGREB



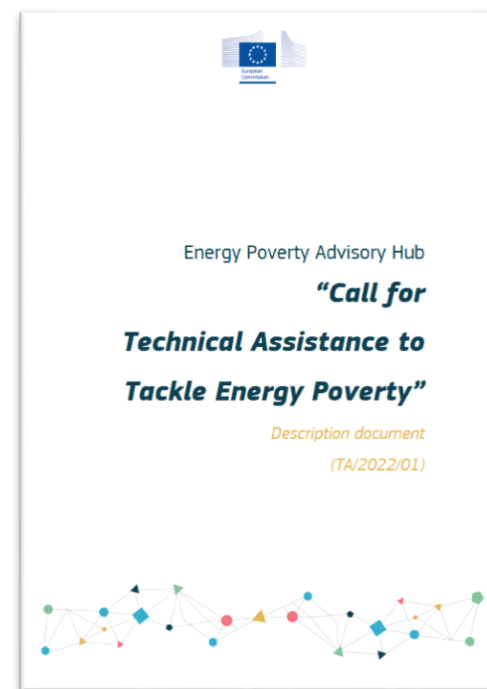
European
Commission

What we do – Support through

☐ Helpdesk



☐ Calls



2022

Foundation



EU
ENERGY POVERTY
Observatory



Covenant of Mayors
for Climate & Energy
EUROPE



CLEAN ENERGY
FOR EU ISLANDS

The three Covenant Pillars



- 2021: Joint development of local EP indicators between the Covenant of Mayors Office, the Covenant Practitioners Group and EPAH experts (To be launched Q2 2022)
- Ongoing tight collaboration between CoMO and EPAH on:
 - Ensuring 1:1 compatibility of guidance for preparing *Social*/SECAPs and SEAPs
 - Collaboration on events and publications and empowering EP tools

EPAH methodology



Energy poverty
diagnosis

Diagnosis

Choosing and updating indicators

This is the base-line scenario of energy poverty in a specific time and location.

Planning

Informed-based planning

This phase focuses on action planning.

Local Social
Climate Plan

Implementation

Deployment & monitoring

This phase constitutes the actual deployment of the Local Social Climate Plan.

Impact
assessment



Keep in touch

Website energy-poverty.ec.europa.eu

Helpdesk info@energypoverty.eu

Twitter twitter.com/EPAH_EU

Newsletter <https://bit.ly/EPAH-newsletter>



**Ajuntament
de Barcelona**

Service for detection and reduction of energy poverty and improvement of energy efficiency

**Area of Social Rights, Global Justice,
Feminisms and LGTBI**

May 2022



Índice

1. Definition of the project
2. Scope of application
3. Service Architecture
4. Service Process
5. Work Axes
 - 5.1 Employment Promotion
 - 5.1.1. Agents Training
 - 5.2 Community
6. Data / Results

B



01 Definition of the project

The service aim to **detect and reduce energy poverty, guarantee access to basic supplies right**– Law 24/2015- and **improve energy efficiency** of households in the city of Barcelona, specially the most vulnerables.

Likewise, within the framework of this service, **the aim is to promote the employment of people with special difficulties in accessing the labor market** and who are beneficiaries of the L'àbora Program.

Finally, **community work is promoted through an awareness and dissemination** program in the fight against energy poverty and the promotion of energy efficiency.



02 Scope of application

The service is aimed at **the entire population of Barcelona**, but especially at those **people who suffer from energy poverty** and who are contemplated by some indicator of vulnerability.

- People who suffer **economic and labor difficulties**
- People who live in **houses in poor conditions**
- People in a **situation of dependency** or suffer some type of **socio-sanitary difficulty** that requires connection to electronic devices.

Two types of measures have been designed according to the target population:

- **Precautionary measures**
- **Corrective measures**



03 Service Architecture

Political
Framework

Barcelona City Council

Service
Implementation

OPERATIONAL COORDINATION
TBA ABD-FABD-ECOSERVEIS

Territory
Nou Barris

Territory
Sant Andreu
Sant Martí

Territory
Ciutat Vella
Eixample

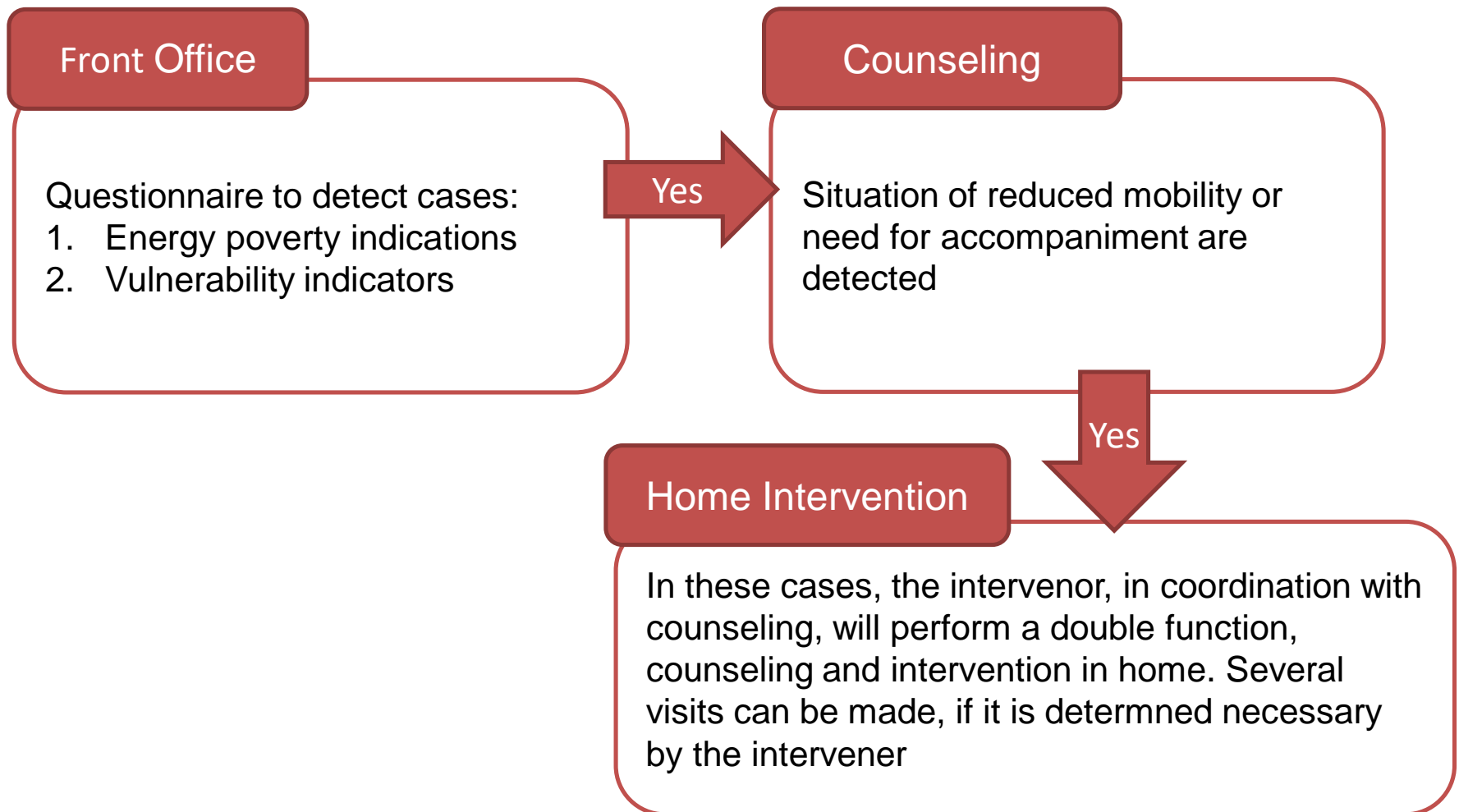
Territory
Sarrià
Sant Gervasi
Les Corts
Sants

Territory
Gràcia
Guinardó



04 Service Process (I)

The Service is divided into three different phases:





04 Service Process (II)

Front Office

- **Front Office:** is the gateway to the services, where informants are located who, based on the Front Office questionnaire, can detect cases of energy poverty or vulnerability. In these case, **counseling will be referred.**
- There are two **Front Office** in municipal offices (Houseing Office, Civic Center, etc) in each of the 5 territories.
- Only in cases of reduces mobility or in which accompaniment is necessary will the **intervention be referred directly to the home**



04 Service Process (III)

Front Office questionnaire's indicators

1. A case of **energy poverty** is detected:

- The person is cold at home
- Non-payment of household utility bills in the last 12 months
- There is notice of cut or cut of electricity, water or gas supplies (urgency protocol)

2. A case of **vulnerability** is detected:

- People with economic and labor difficulties
- People living in poor housing conditions
- People in a situation of dependency – cases of emergency protocol
- Families with dependent minors, especially single-parent families



05 Work Axes

ENERGY POVERTY

3.000 people helped in Front Office.
300 people assisted in home intervention
80% of the visited households have installed material
100% court notice cases – Núm SIRER
1.000 Social bonds
500 ownerships changes
500 power changes
100 rehabilitation grants

EMPLOYMENT PROMOTION

60 people at risk of social exclusion in the process of professional requalification

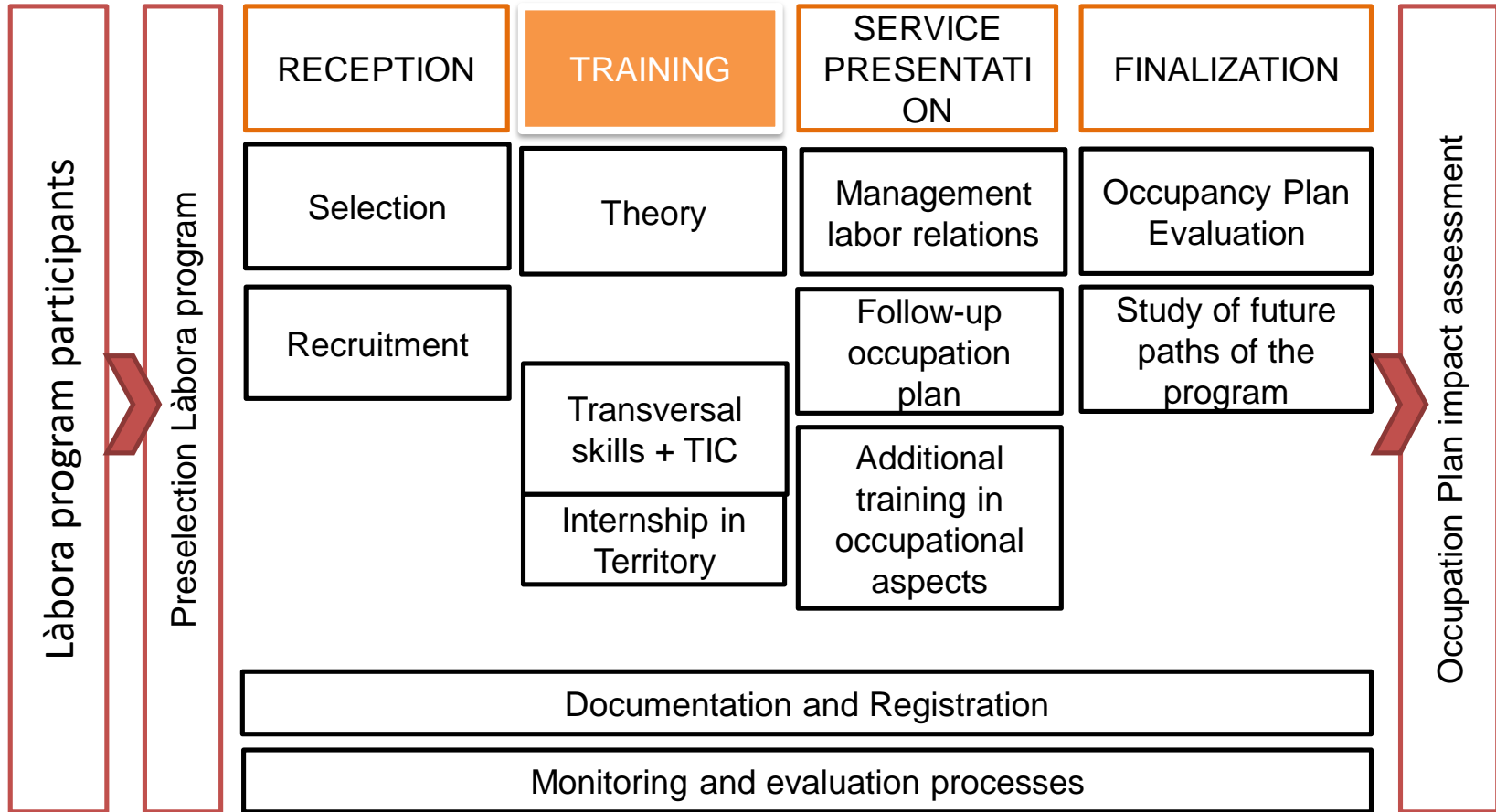
COMMUNITY WORK

52 workshops held at the community level (one per week)

Degree of satisfaction of service users: 8 out of 10



5.1 Employment Promotion





5.1.1 Agents Training

60 people
in groups
of 20

3 periods of training of 2
month and a half



218 hours

First month

Period 1

Intensive **theoretical-
practical training**

**Energy management and
energy saving measures**

Second month and a half

Period 2

**Theoretical-practical
training**

Energy management
and energy saving
measures in a **home**

Period 3

**Internship phase in
home intervention**

Front Office
**accompaniment and
interventions at home**

Digital skills and access to the labor market will be worked on transversally



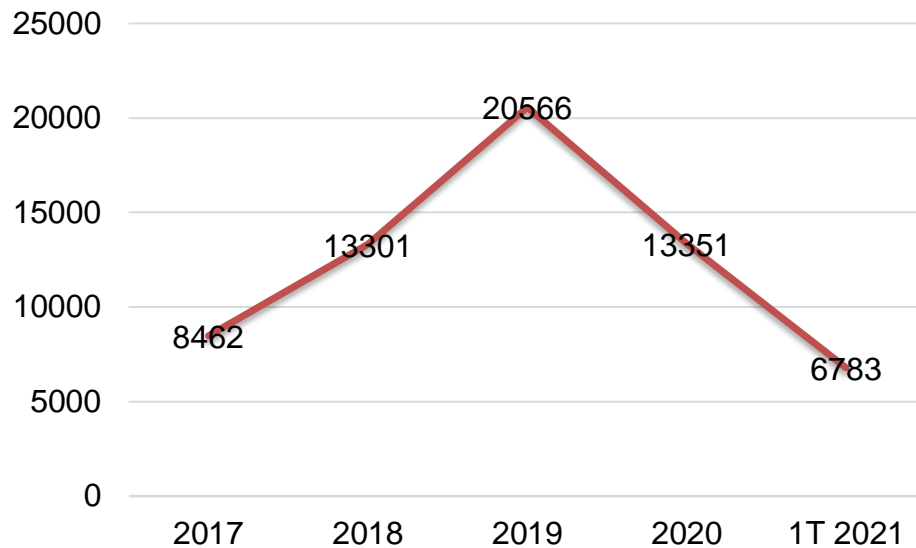
5.2 Community work

The entity of each territory	Front Offices	The agents	Coordination of the Service
<ul style="list-style-type: none">• Identify the services and entities in the territories.• Disseminations in shools, medical centers of the districtis of the Services• Planification of the workshops on “Presentation of the Services for detecting and reducing energy poverty and improving energy efficiency”	<ul style="list-style-type: none">• Centralize all the information to carry out advice in their territory	<ul style="list-style-type: none">• Inform the users	<ul style="list-style-type: none">• Organizes meeting in the district offices of each territory to explain the Services and from there the information is disseminated to the district facilities.• It will provide support for the dissemination and communication of the project in large entities that operate at the city level

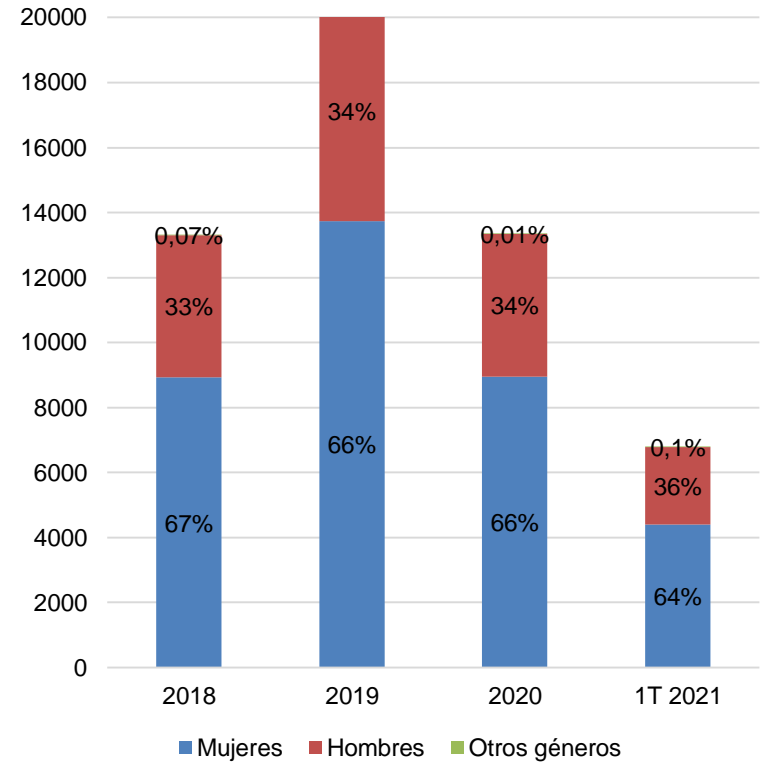


06 Data: Assisted people

Total of assisted people



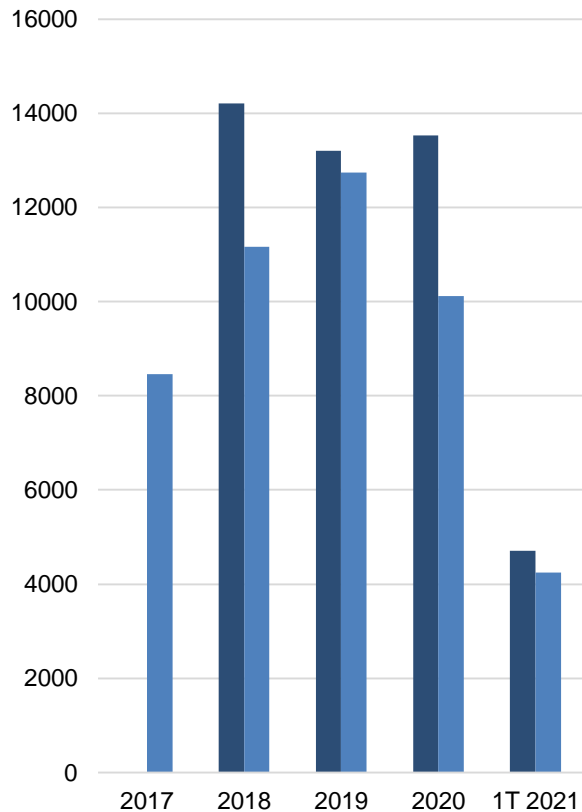
Total assisted people by gender





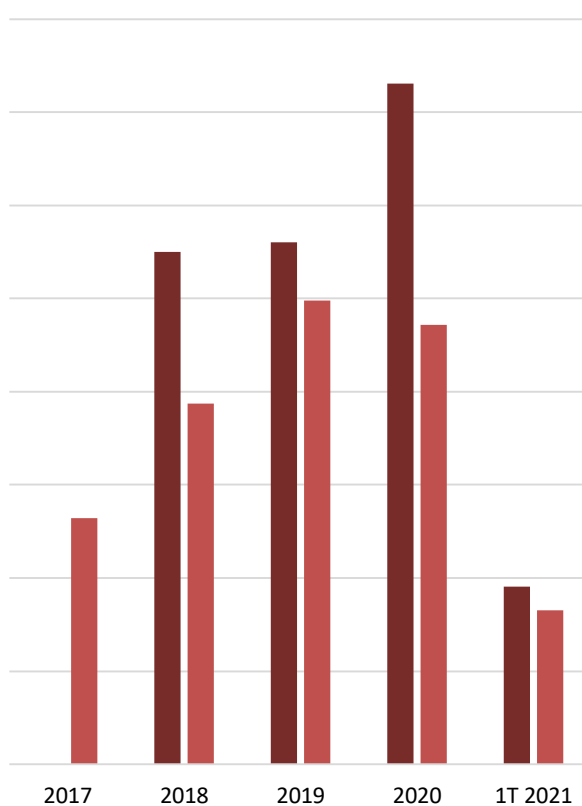
06 Data: Types of activities

Front Office



■ Nº entrevistas Front Office
■ Nº de personas atendidas en el Front Office

Counseling



■ Nº entrevistas Asesoramiento
■ Nº de personas atendidas en Asesoramiento

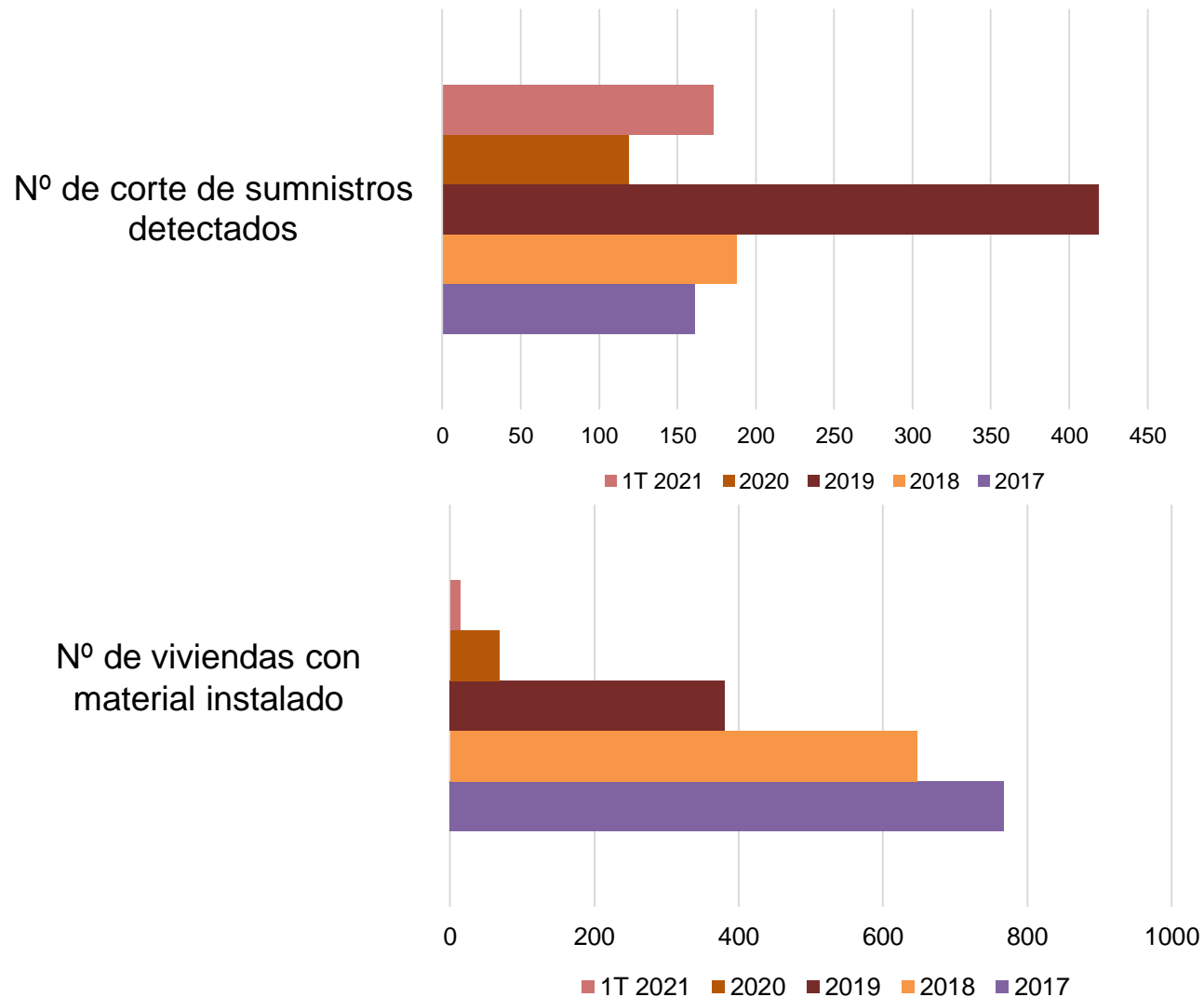
Home Intervention



■ Nº intervenciones en el hogar
■ Nº de personas atendidas en Intervención en el hogar



06 Data: Other variables of interest





**Ajuntament
de Barcelona**

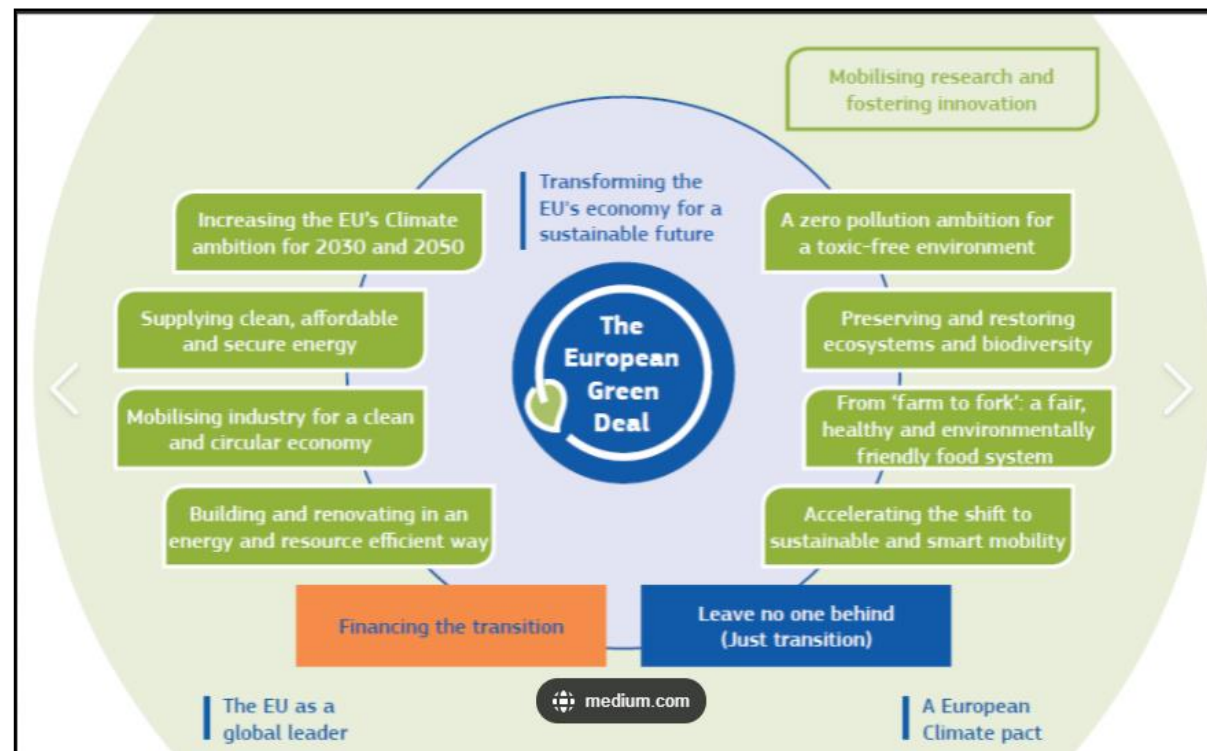
The role of local authorities in ensuring the energy transition of housing and the fight against energy poverty

Feedback from Brest métropole



Legal background and frameworks

- ❑ **EU level : European Green Deal**
- ❑ **French level : Climate resilience law**
- ❑ **Regional level: SRADDET – Spatial planning, sustainable and territorial cohesion scheme**



Brest métropole: a one-stop shop and tools developed since 2012 to support the renovation of the private building stock retrofitting and the fight against energy poverty

❑ **2012 — SEAP (Climate Action Plan):** awareness on the necessity to act on the private housing stock and its inhabitants to initiate the energy transition of the territory

❑ **A triple challenge:**

- **Densify** renovations,
- Promote project **performance**,
- **Fight energy poverty** of most vulnerable households.

❑ **A network of local stakeholders to engage:**

- Owners
- Construction and real estate professionals
- Banking institutions
- Occupants/renters
- NGOs



Tinergie: a local one-stop shop for information and support

- ❑ **A single entry point** to inform and guide citizens towards existing initiatives: ANAH condominiums...
- ❑ **Neutral and free** support to implement individual projects,
- ❑ **A well-defined methodology** from energy assessment to works implementation,
- ❑ **A partnership with local professionals from the building sector** to facilitate contact with citizens, promote training and quality of projects,
- ❑ **Local financial support** to support successful projects.



Facility created in 2012 to boost thermal renovation in Brest métropole

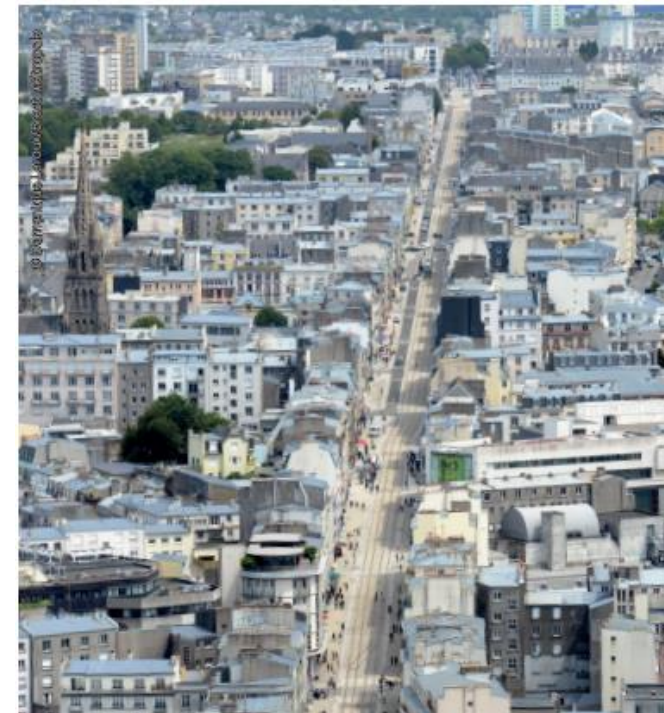
- **2 287 contacts** (ref 2020 — **2 214**),
- **536 dwellings under audit** (ref 220- 600),
- **407 thermal renovations funded** (ref 2020 — **287**),
 - 296 individual houses (of which **140** /line Anah),
 - 111 condominium units,
- **Of which 75 low-energy buildings retrofitted** (ref 2020 — **70**),
- **A total of 9.4 million € of works supported** (on average EUR 23K)
- **NB of home visits / fuel poverty: 130**



CAN (2016 - 2019) : Fight against fuel poverty in renewal neighbourhoods

- Around 450 home visits during the period
 - Each home visit takes about 2 or 3 hours to helps household to reduce their bills without renovation on the flats (most of tenants)
 - We work with a “whistle-blower” network
 - Most of them are not owners, only tenants
 - Check the energy contracts, Inform on the energy cheque, Explain energy bills,
 - Give advice and install small free ecoequipmen
- ❑ Each home visit allowed saving 118kg CO₂ or 792kWh per year for one household in average. This is calculated without the heating savings.
- 170€ per year on electricity and water
 - 28m₃ water saving

Financed by Interreg NWE between 2016 and 2019 for 330 000 €



2022 – New project, called CAN SMEs : Climate Alliance (lead partner) invited Brest métropole to join a project extension on the same issue but targeting small and medium sized companies. Partners / Cities: Worms (Germany), Liège (Belgium), 3cea energy agency (Irlande - Kilkenny).

New stake : Engage and train SMEs employees of Brest métropole to reduce their footprint within their companies AND reduce their energy consumptions at home.

Focus on Ener'gence, local energy agency for Pays de Brest

- **A local tool for the implementation of the energy and climate transition**
 - NGO, founded in 1998
 - Under the European SAVE project
 - At the initiative of Brest métropole, bringing together local energy and housing stakeholders
- **Missions**
 - Raise awareness, inform and train all audiences on the issue of energy : citizens, businesses, local authorities, young people...
 - Help real-estate managers to reduce their energy consumption, develop renewable energies
 - Promote an expertise at the service of energy and climate policies
 - Promoting eco-efficient housing and combating energy poverty

NEUTRAL information and technical support

The constraints to be lifted to promote energy renovation

Densification of the efficient thermal renovation of the park raises a number of difficulties

- ❑ **Making the economic model more reliable:** how to ensure affordable construction costs to democratise efficient renovation: reliable investment aid and associated support, financial engineering incorporating cost savings for, on the long term, a necessary better integration of the costs of thermal renovation into the real estate value of buildings
- ❑ **Structure of the building industry:** a comprehensive renovation offer to simplify the procedures and ensure a high-quality, efficient renovation. A challenge to enhance the sector in order to attract and train young people in the energy renovation project.
- ❑ **Engage local networks** to identify and support situations of thermal fragility and support households in difficulty
- ❑ **Establish a regulatory agenda to make energy retrofitting an obligation for owners?**

What we need to do now and what we need Europe for ...

- enabling national and European legislative framework to strengthen the mandate of cities,
- increased access to information and implementation,
- Services financial and legal instruments,
- Reduce the energy demand of buildings over their life cycle requiring high-performing eco-sustainable Materials.

*Thank You for you attention !
Trugarez evit ho evezh !*

*Brest will be very honoured to welcome you at RegEnergy final conference
on May the 18th organised jointly with Climate alliance.*

Contact: chloe.le-bris@brest-metropole.fr



Un événement organisé dans le cadre de la présidence française du Conseil de l'Union européenne