



Workshop: Regional and local approaches to fight energy poverty
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Systematic overview of the measures to fight energy poverty



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**Interreg
Europe**



European Union | European Regional Development Fund

POWERTY project



How do we overcome **energy poverty**?



Traditional measures:

- Social rates
- Subsidize energy supplies
- Energy efficiency
- Rehabilitation / Retrofit

Innovative measures:

- Renewable energies → **POWERTY**

POWERTY project



Facilitate that vulnerable households have a safe, clean and affordable energy supply, based on renewable energies

**RENEWABLE
TECHNOLOGIES**

**FINANCING
MECHANISMS**

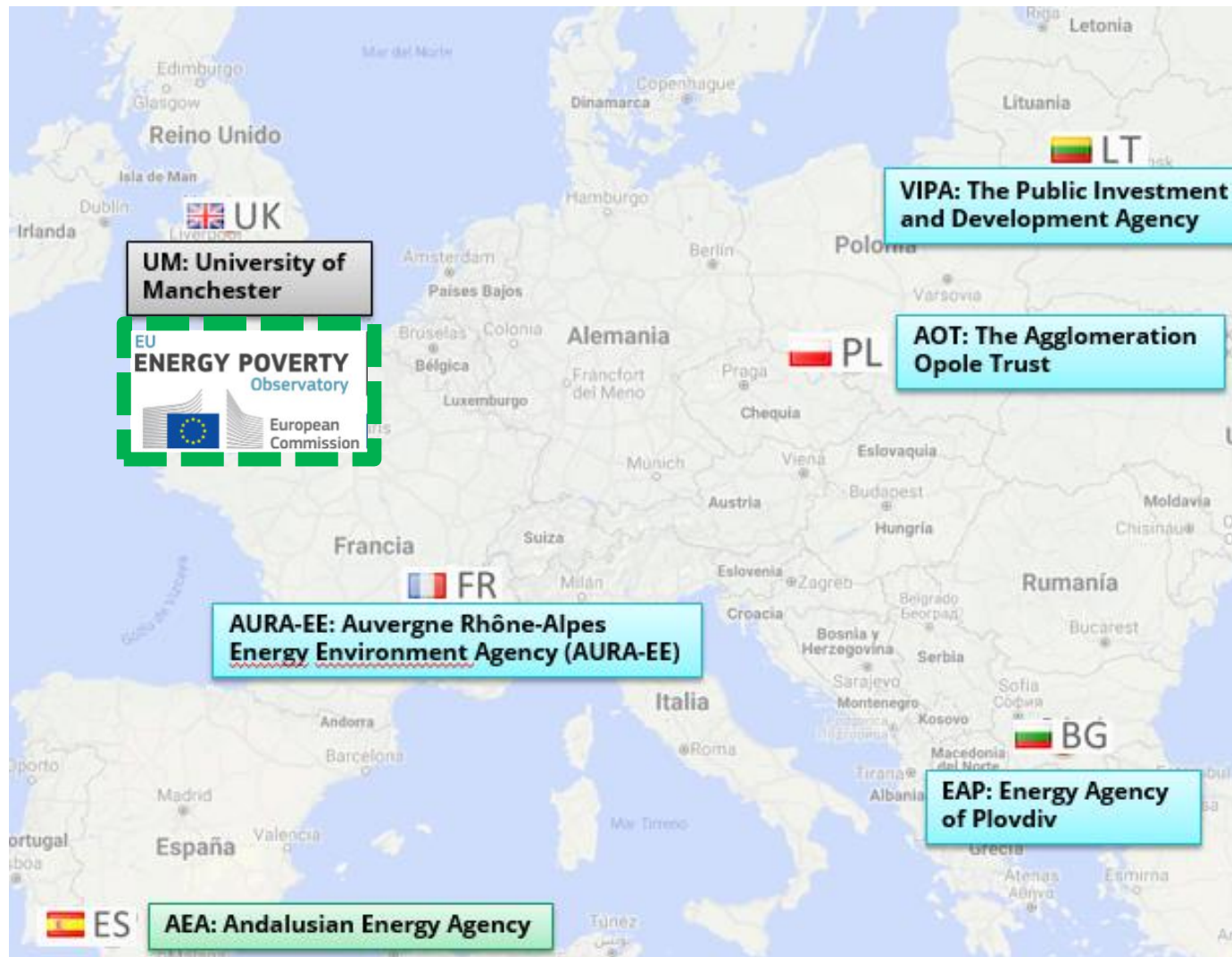
**NORMATIVE &
REGULATORY**

**EMPOWERING
CITIZENS & LOCAL
AUTHORITIES**

IMPROVE POLICY INSTRUMENTS

- reduction of energy poverty -

POWERTY partners



SWOT analysis on Energy POVERTY



WEAKNESSES

- Vulnerable groups are **often unaware** of renewable energy.
- **The type and size of vulnerable households makes it difficult to install.**
- There is a **large number of illegal connections.**
- The energy consumption of vulnerable households is low.
- Difficulties to access financing.
- Vulnerable groups are **very heterogeneous**. This requires different approaches.
- There is a **lack of tools** for identifying energy poverty.
- Difficulties in **accessing** these groups and promoting their participation.

STRENGTHS

- The **versatility and flexibility** of renewable energies allows their adaptation to different environments.
- The price of renewable installations is increasingly reduced, which favours their use.
- **European funding** for energy improvement actions (sustainable energy development).
- **Existing national strategies** for energy poverty, together with two other relevant strategies and plans (Just Transition and National Energy and Climate Plan).
- Public administrations, particularly local ones, have **extensive experience in social services.**

SWOT analysis on Energy POVERTY



THREATS

- **Unattractive the economic** profitability, which discourages innovation and the generation of a technological offer adapted to this type of group
- Few experiences in tackling energy poverty through renewable energies
- Public **funding is insufficient** to meet the energy needs of all vulnerable groups
- The **funds are often directed to other basic and most urgent concepts** (food, clothing,.....).
- Programmes to detect and reduce energy poverty are **not implemented efficiently**.
- **Separation between technological and social actors**, which has made it difficult to adopt an integrated approach to tackling energy poverty

OPPORTUNITIES

- **Entities in the energy sector** very sensitive
- The **extensive stock of public buildings that** could use renewable energy facilities for supplying energy.
- There is a **growing trend of microfinance** platforms
- The so-called "**local energy communities**"
- **European policy** establishes that the energy transition must be fair, and must also integrate all citizens
- Derived from the commitments of **the Covenant of Mayors**, the municipalities have to carry out measures.
- The insertion of vulnerable groups in the renewable energy **labour market** is a great opportunity
- **Collaborations between different stakeholders**

Energy POVERTY

The importance of local networks

52 entities in Andalusia

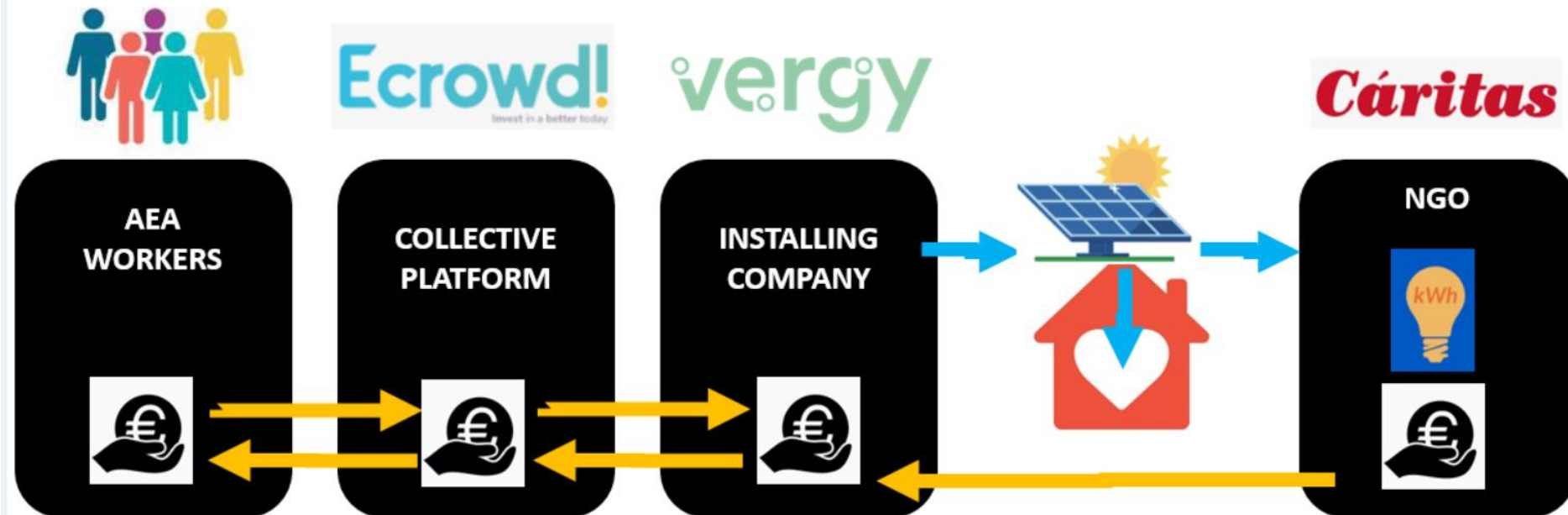


Memorandum of Agreement with Caritas



Memorandum of Agreement with University of Huelva

Energy POVERTY in the AEA



Energy POVERTY GPs



More than 40 GPs collected in the four areas

POWERITY

Guide of Good Practices

Renewable energies for vulnerable groups



- **Spain (Technical):**
 - ❖ #SolSurAutoproduction: Collective purchase model of 50+1 self-consumption photovoltaic installations
- **France(Finance):**
 - ❖ Sponsorship to enable residents of social housing to reduce their bills thanks to solar electricity
- **Lithuania (Normative):**
 - ❖ Bureaucratic nightmare solution for development of renewable Energies + Remote renewable energy power plants for prosumers
- **Bulgaria (Empowering):**
 - ❖ Sustainable reduction of energy consumption of low-income households through energy advice + Empowering vulnerable citizens to save energy with the “Give Energy” campaign +
- **Poland (Empowering):**
 - ❖ WARM UP YOUR BUSINESS as an opportunity to find the RES technologies for vulnerable groups
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- **LOCAL ENERGY COMMUNITIES**

Energy POVERTY and Local Energy Communities



→ The Renewable Energy Directive:

- Recognises **the opportunity of energy communities to combat energy poverty** and urges Member States to take appropriate advantage of this opportunity (recital 67).
- It should be **ensured that participation in renewable energy communities** is accessible to all consumers, including low-income or vulnerable households (Article 22(4)f).

→ Internal Energy Market Directive:

- Recognises that **Community energy can combat energy poverty by reducing consumption and lower supply tariffs, and allows certain groups of household customers to participate in electricity markets that would otherwise not have been able to do so** (recital 43).

Energy POVERTY and Local Energy Communities



- The Public administration must play a role in boosting, promoting, financing and facilitating energy communities.

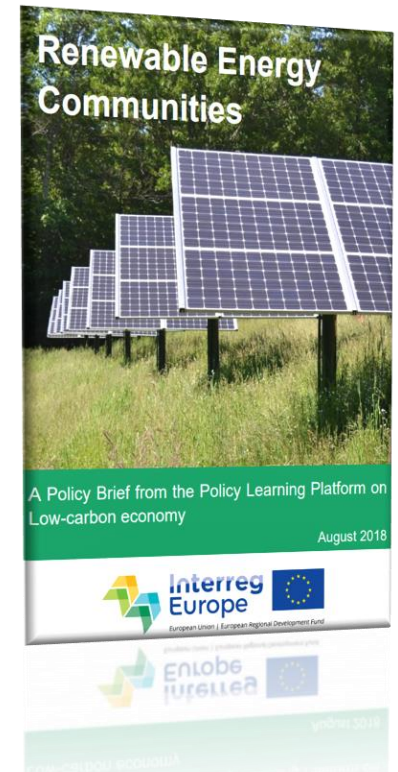
European Committee of the Regions Opinion

- The regional and local public energy agencies are the best instrument for this purpose, given their multivalence, their role as an instrumental arm of the Public Administration, their experience in various fields of a technological, legal and economic nature, and their precise knowledge of the regional and local reality of the area in which they operate.

“Renewable Energy Communities”:



**Comité Europeo
de las Regiones**



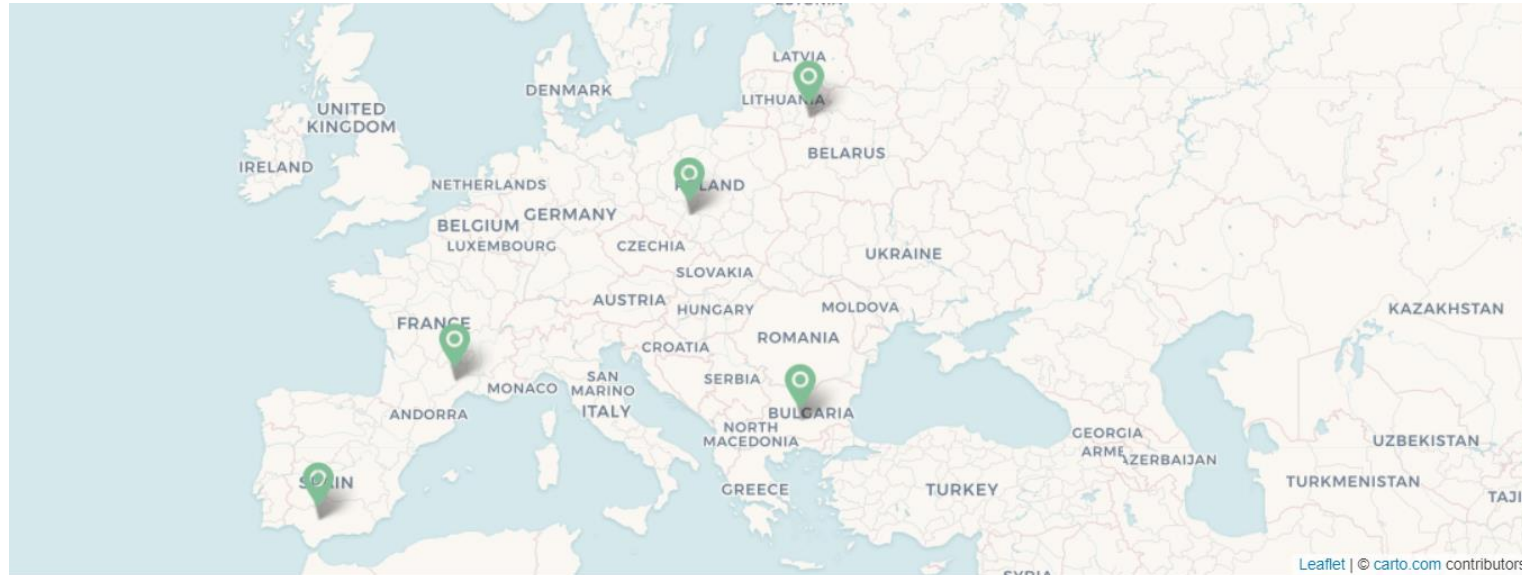
Energy POVERTY and Local Energy Communities in Andalusia



POWERTY in the ADVISORY HUB - ATLAS



ENERGY POVERTY ADVISORY HUB - ATLAS



POWERTY - Renewable energy for vulnerable groups

Spain, France, Bulgaria, Poland, Lithuania

The POWERTY project works to increase access to renewable energy for vulnerable groups to tackle energy poverty. It does this primarily by improving regional policy instruments targeting 4 topics: new innovative technologies, new formulas for financing, improving the regulatory framework and empowering vulnerable groups. Over the project's 4 year duration, the partners will develop a complete learning process to facilitate an effective knowledge flow between these regions.

<https://atlas.energypoverty.eu/node/857>



Thank you!

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