



Action Plan of the **POWERTY** Project

- Renewable energies for vulnerable groups -

May 2022



**Auvergne
Rhône-Alpes**
Énergie Environnement

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1. Part I – General information

- ✓ **Project:** POWERTY project – Renewable energies for vulnerable groups.
- ✓ **Interreg Europe Web:** <https://www.interregeurope.eu/powerty/>
- ✓ **Regional Web:** <https://en.auvergnerhonealpes-ee.fr/>
- ✓ **Partner organisation:** Auvergne-Rhône-Alpes Énergie Environnement (AURA-EE).
- ✓ **Country:** France
- ✓ **NUTS2 region:** Rhône-Alpes
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2. Part II – Policy context

The Action Plan aims to impact:

- Investment for Growth and Jobs programme.
- European Territorial Cooperation programme.
- ✓ **Other regional development policy instrument.**

Name of the policy instrument addressed:

The Regional scheme for spatial planning, sustainable development and equality between territories (SRADDET), which is the main document in energy and climate planning of the Auvergne-Rhone-Alpes regional council.

Web:

<https://www.auvergnerhonealpes.fr/actualite/787/23-territoires-le-sraddet-adopte-pour-batir-une-region-d-avenir-solidaire-et-durable.htm>

3. Part III – Details of the actions envisaged

3.1. Action 1: Developing a collective thermal system with third-party financing

3.1.1. Background

The present action plan has been constituted on the basis of the exchange of good practices with POWERTY partners, highlighting Andalusian Energy Agency (Spain) with its quantico rental about an ESCO model financing solar self-consumption facilities in social housing ([link](#)).

3.1.2. Actions to be implemented

Our **regional pilot action** came also from exchanges with our regional stakeholders and especially [Buxia Energies](#) that represented a Citizen Energy Community (CEC) which implemented a system to finance as third investor solar thermal panels and water tank and paid back thank fee based on the gas saving budget. The contractual model between the CEC and the energy user (retired people with low incomes) has been validated by a lawyer and has been used as a base for this pilot action.

With the lessons learned from the pilot action on developing a contract model involving a citizen's investment fund to install renewable energies for low-income households, we will be able to **develop a renewable energy sources zone in an area particularly covered by social housing**. The local CEC, which mobilises citizen's investment fund, will be the project owner for solar installations on behalf of social landlords and/or vulnerable households. With the action of CEC and the support of the city, **buildings with vulnerable households will be equipped with solar PV and collective thermal systems (solar, heat pumps, biomass), without any additional costs for these households**.

3.1.3. Players involved

- The local CEC in Villeurbanne **"Toits en Transition"**, a developer of cooperative renewable energy projects "Coopawatt",
- The **Auvergne-Rhône-Alpes Region**, the city of Villeurbanne, the Metropolitan area of Lyon,
- The local energy and climate agency **"ALEC du Grand Lyon"**,
- The **local social landlords**, co-owners and their administrator,
- The **National energy transition agency** (ADEME).

3.1.4. Timeframe

The different activities and their timeframe to be implemented for this action are described below:

ACTIVITIES OF THIS ACTION	MONTH OF PHASE 2
<u>IDENTIFY BUILDINGS</u> . Identification of the buildings which can be equipped with renewable energy systems, their location, the type of occupant and the owner(s).	August 2022 to October 2022
<u>ECONOMIC IMPLEMENTATION ASSESSMENT</u> tailored to the building and the RES solution: financial structure of the operation: more detailed analysis of subsidy eligibility according to occupants, contact with the banks, insurance, maintenance contract, etc. for the Citizen Energy Community and the households or the social landlords.	September 2022 to May 2023
<u>TECHNICAL IMPLEMENTATION ASSESSMENT</u> according to the energy demand of the building: location and choice of solar panels, wood energy supply, sizing of the boiler, availability of groundwater to supply the heat pump, etc.	September 2022 to May 2023
<u>CITIZEN INVESTMENT CALL</u> . Launch a call for citizen investment.	January 2023 to May 2023
<u>INSTALL COLLECTIVE THERMALS SYSTEMS & MONITORING</u> . Installation of collective thermal systems to cover the domestic hot water and heating needs of the occupants. Prepare the monitoring and the maintenance of the installation.	June 2023 to July 2023

3.1.5. Cost

The budget for the coordination of this action is 13,500 €.

- 9,000 €: Coordination of the action and organisation of meetings involving the stakeholders and the different partners – AURA-EE (20 days).
- 4,500 €: Technical support for the CEC in collective thermal systems – AURA-EE (10 days).

The budget for the investment of RES technologies should be between 50,000 and 150,000 €.

3.1.6. Funding sources

The origin of the funds is from three sources:

- Citizen fund: 10%

- Incentives: 10 to 30% (incentives received directly by the occupant and/or incentives from the Ademe heat fund for the owner of the installation)
- Banks: 60 to 80% (loan taken out by the CEC)

3.1.7. Policy instrument to be improved

The policy instrument to be improved with this action is the **Regional scheme for spatial planning, sustainable development and equality between territories (SRADDET)**. Thanks to this action plan, vulnerable groups will be included in the SRADDET subsidy programme for the support of local energy communities through an upgrade of the call for partnership projects.

- The sectors that may be supported will be: solar thermal and photovoltaic energy, hydroelectricity, wood energy and geothermal energy.
- The eligible beneficiaries of this call for projects will be local a Citizen Energy Community (CEC), with a bonus for CEC that install equipment in vulnerable households.

Conclusions

The Action Plan has emerged with the need to improve the policy instruments in the field of sustainable development and equality

The Action Plan is composed of a concrete measure that have been the results of the compilation, analysis and adaptation of the good practices identified by the different partners of the POWERTY project, thanks of the interregional work carried out and thanks to the important role of the stakeholders of the project.

The action plan has developed actions in the 4 topics initially established by POWERTY: Technological, Finance, Normative and Empowering.

Date: May 2022

Signature:	Stamp of the organization (if available):
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