Centro Region, Arganil, Portugal

Arganil in Central Portugal seeks pilot project support to diagnose energy poverty in vulnerable households. Covering an area of 332.13 km² and a population of 12,145 spread across 9,718 dwellings, Arganil is characterised by a rural landscape with an **aging population** and **low population density**. The majority of housing features outdated architecture and lacks energy-efficient structural elements, resulting in discomfort for residents due to significant temperature fluctuations. High energy costs exacerbate the issue, as families struggle to afford energy expenses in homes with poor energy efficiency.

The Municipality and the Commission for Coordination and Regional Development (CCDRC) intend to **develop a tool to identify and map energy poverty situations, identifying building typologies, and also defining and typifying energy efficiency solutions, to apply in other municipalities of the Centro Region of Portugal**. This tool aims to prioritise vulnerable households and take measures to eradicate energy poverty. The development will enable the identification of energy-poor households in each parish of the municipalities. The motivation stems from observing the positive impact of community funds on improving the quality of life in social housing buildings.

The municipality expects the technical assistance to lead the development of a comprehensive and robust diagnostic tool, resulting in a **georeferenced matrix** characterisation of household vulnerability to energy poverty. This tool will provide insights into the local context, challenges, and areas requiring attention, ensuring prioritisation of the most urgent cases. The methodology devised will be shared and **replicated** by CCDRC, fostering **scalability** and extending the programes impact to other municipalities within the Centro Region.

HES engenharia

ccdrc Comissão de Coordenação e Desenvolvimento Regional do Centro, I.P.

ARGANIL Município

European Commission