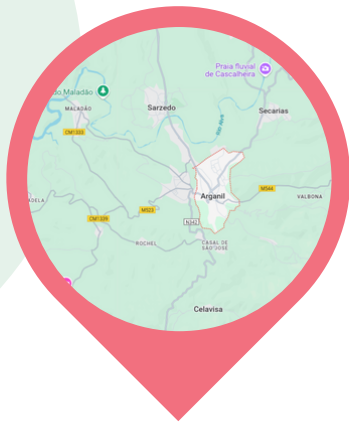


Arganil Portugal



RESULTS

2nd technical assistance of the Energy Poverty Advisory Hub 2023-2024

DISCOVER EPAH



September 2023 - June 2024



Energy poverty phase: Diagnosis, Planning



Topics: Building typologies, monitoring

This project emerged following an application by the Centro Regional Coordination and Development Commission (CCDR-Centro) and the Municipality of Arganil to the Energy Poverty Advisory Hub – 2nd Call for Technical Assistance 2023.

Objectives

The objective of the application was to obtain specialized technical assistance to address energy poverty, specifically in identifying and mapping instances of energy poverty, as well as analyzing appropriate energy efficiency measures for implementation. Additionally, the assistance included providing advice and guidance on the most favorable financing mechanisms. A tool has been developed to identify and map cases of energy poverty within the municipality of Arganil.

Activities & Outcomes

The project involved analyzing and monitoring the temperature and relative humidity of buildings, conducting inspections and diagnoses, as well as surveys related to energy poverty and thermal comfort analysis. The building inspections revealed widespread moisture issues, inadequate insulation, structural concerns, and inefficient heating systems. The survey showed that the majority of respondents are homeowners who rely on biomass for heating, face significant humidity problems, and often experience discomfort during both winter and summer due to high energy costs and inadequate climate control system



It was found that some families are unable to maintain their homes within the range of temperatures considered comfortable.

Notably, a building in Foz da Moura registered room temperatures below 9°C



Challenge

The monitoring campaign highlighted significant challenges in maintaining comfortable indoor temperatures, particularly in older buildings, where architectural constraints limit the feasibility of insulation and climate control improvements, necessitating careful analysis to develop sustainable solutions

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