Replicating the Success of the HP4ALL Project: Increasing Heat Pump Skills and Increasing the Demand for Those Skills

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Abstract

The HP4ALL project is a EU Horizon 2020 funded project that was completed in February 2023. HP4ALL aims to facilitate an increased market demand, mass rollout and a further advancement and uptake of heat pumps (HPs) technologies and systems for residential and non- residential applications, through the subsequent market boosting of related skilled workforce demand and provision by:

1. Providing HP related tailored, sound, key information to all relevant stakeholders and users, thereby facilitating their decision-making process.

2. Paving the way for a more robust level of skills in the HP value chain, ensuring high quality and reliability from the supply side.

To this end HP4ALL has developed a set of tools and resources called HP4ALL package that will be used to help replicate the success of the HP4ALL project:

• An HP Competency Framework to facilitate Mutual Recognition of HP Skills. It will allow manufacturers, designers, and installers to benchmark their knowledge and skills to determine if they are meeting the needs of the market. Such a framework will also facilitate mutual recognition across the EU.

• A user-oriented HP Knowledge Hub to provide guidance, support, and tools (e.g., technical information, case studies, procurement guidance) to increase the demand for HP skills and knowledge.

• A HP Benchmarking Tool enabling end users to consider options and performance of HP technologies within different building and application types.

• Tested Awareness Campaign & Training materials, tools, and methods to assist in the EU-wide roll out of heat pumps and the replication of the HP4ALL project success. • Pilot Activ-

ities - to engage Key Stakeholders to ensure High Quality Installations and greater uptake.
Ireland: Local Authorities, instigate large numbers of heat pump installations, domestic and non-domestic.
Austria: Large Scale Heat Pump Installations - project owners, designers, and installers.
Spain: Public Sector Housing - promote greater use of heat pumps for heating/cooling. For existing older equipment investigate ways to increase efficiency - improve building thermal performance, more efficient replacement units to deliver heating as well as cooling, low GWP refrigerants.

• Policy Recommendations that are aimed at all levels of governments from local governments to EU level. These recommendations are for legislative and administrative adjustments to foster labour market consolidation schemes, incentives (based on success stories) and ambitious private and officially supported dissemination & communication packages. The HP4ALL consortium has been interacting with the entire HP value chain, both the supply side (manufacturers, engineers, designers, installers) and the demand one (building owners and end users form all sectors -residential, industry and tertiary) in three pilot regions Austria, Ireland, and Spain, as well as interacting with other countries and stakeholders through our European partners.

Note:
This project is a Horizon 2020 EU funded project that ends in February 2023, but has replication elements after the lifetime of the project.