

# HARP

## Heating Appliances Retrofit Planning



### 1st WEBINAR HARP

HARP introduction

WP4 and NEF

Daniela Lobosco, 20<sup>th</sup> of May, Milan

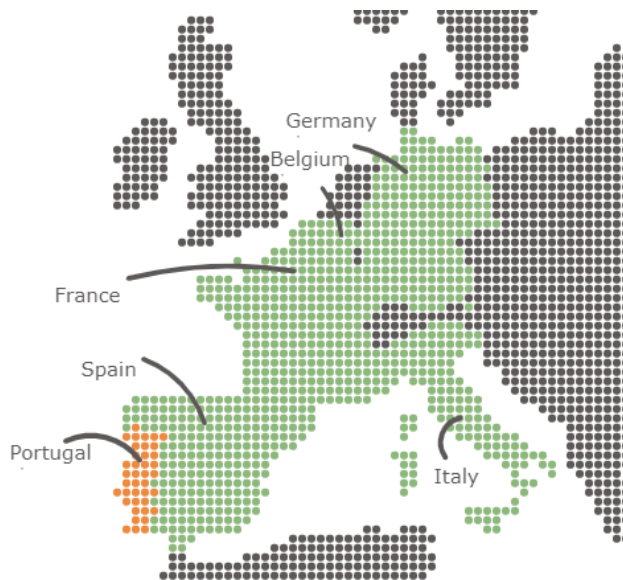
Assotermica

ENEA

REM  
RESEARCH TO MARKET  
SOLUTION

eurac  
research

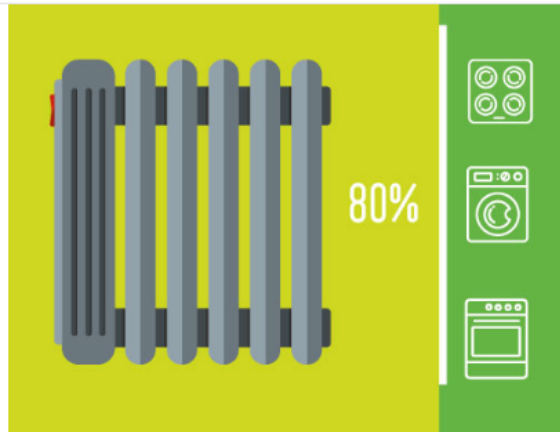
HARP's main goal is to motivate individuals to plan the replacement of their often outdated and fossil-fuel operated heating appliances, with more efficient alternatives.



France	Germany	Italy	Portugal	Spain
 <small>ASSOCIATION DES PROFESSIONNELLS POUR LE CHAUFFAGE DURABLE</small>			 <small>Agência para a Energia</small>	
		 <small>Agência Nacional para il Nuove Tecnologie, l'Energia e il Sviluppo Economico Sostenibile</small>		
 <small>Unidade de Inovação em Políticas Ambientais e Energéticas</small>			 <small>Information Management School</small>	
			 <small>Universidade do Minho</small>	

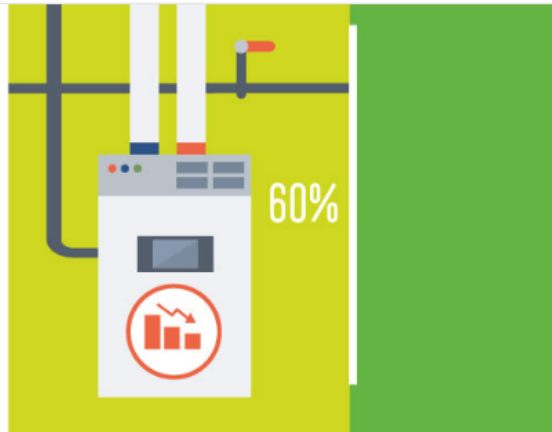
[heating-retrofit.eu/contact/](http://heating-retrofit.eu/contact/)

## Why is it important?



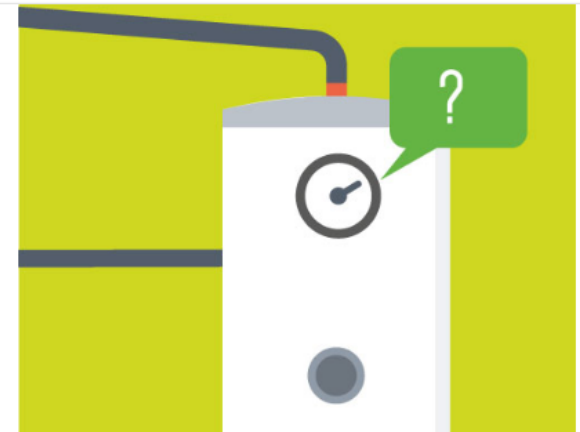
**Heating and hot water represents 80% of the energy demand of EU households.**

and 84% of it is generated from fossil fuels. A sharp decrease in the energy consumption and use of fossil fuels is needed for the EU to fulfil its climate and decarbonisation goals.



**60% of the heating stock consists of inefficient boilers (class C or lower).**

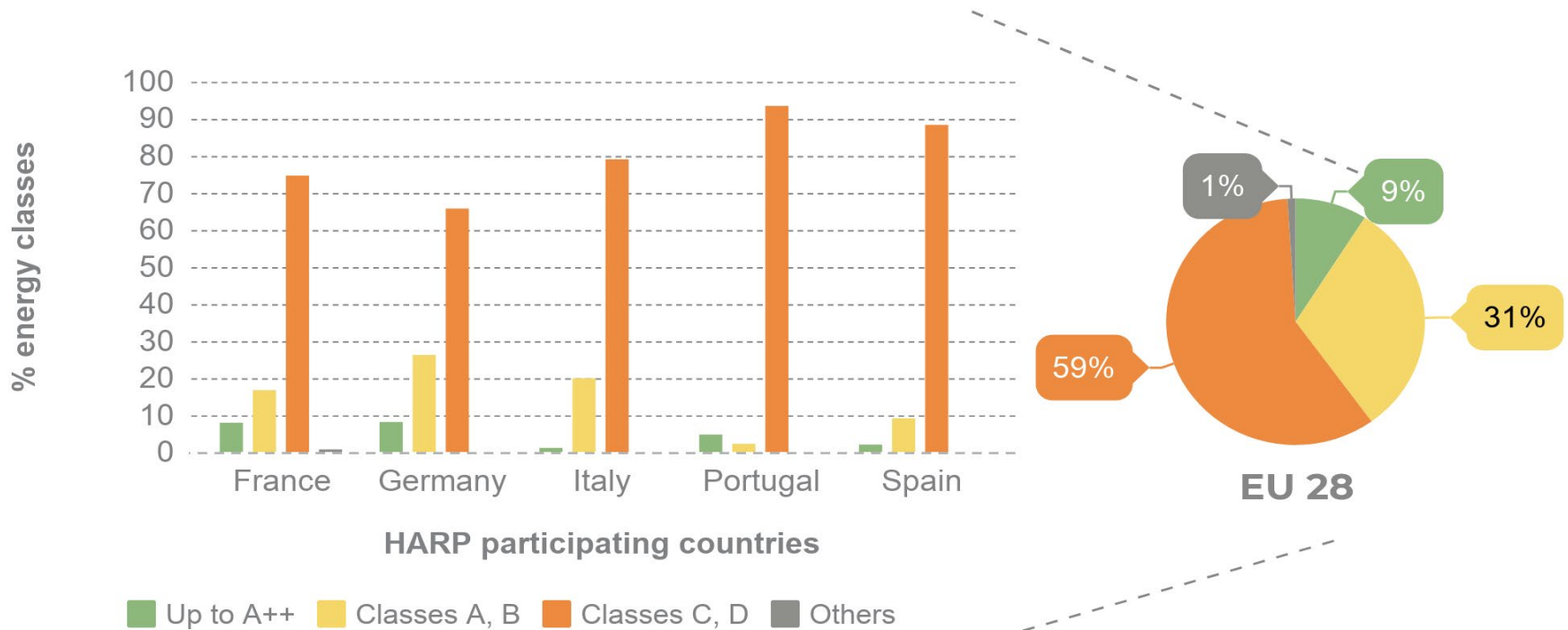
The Ecodesign and Energy Labelling regulations for boilers, in place since 2015, remove the worst performing products from the market, while driving consumers towards the most efficient choices. But installed boilers can last for over 15 years, and their replacement rate is very low (4% per year). As a result, a large number of inefficient boilers is still in use today.



**Except in Germany, consumers are not informed about the efficiency of their installed heating systems.**

This information is crucial to trigger a replacement of the least-efficient heating appliances. HARP will build on the experience of the mandatory labelling of installed boilers in Germany. Recommendations will be issued for the implementation of the labelling methodologies for installed heating systems at the EU-level, and specifically in countries not participating in HARP.

## Heating systems installed stock in the EU and HARP countries



- The market mix is rapidly moving towards more efficient technologies (condensing boilers, heat pumps and hybrid systems) but the renovation rate is still **below 4%**

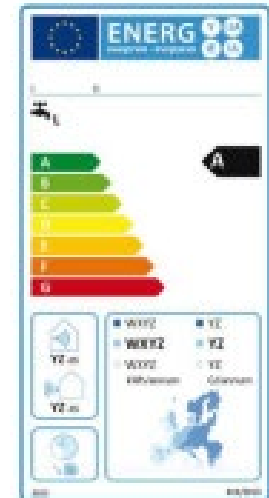
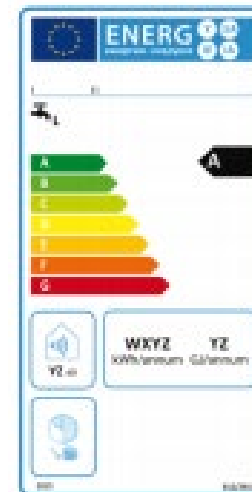
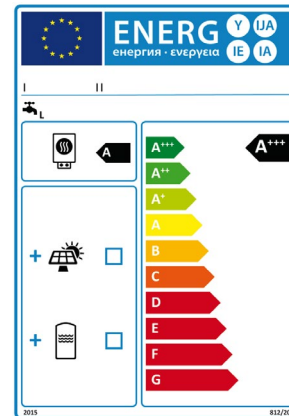
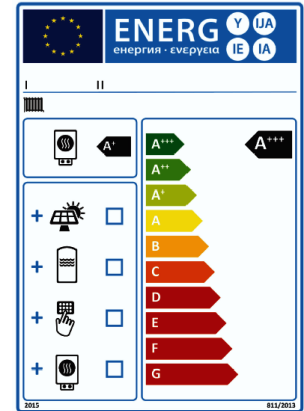
## Heating appliances considered within the HARP

Appliances covered by the energy labelling regulations:

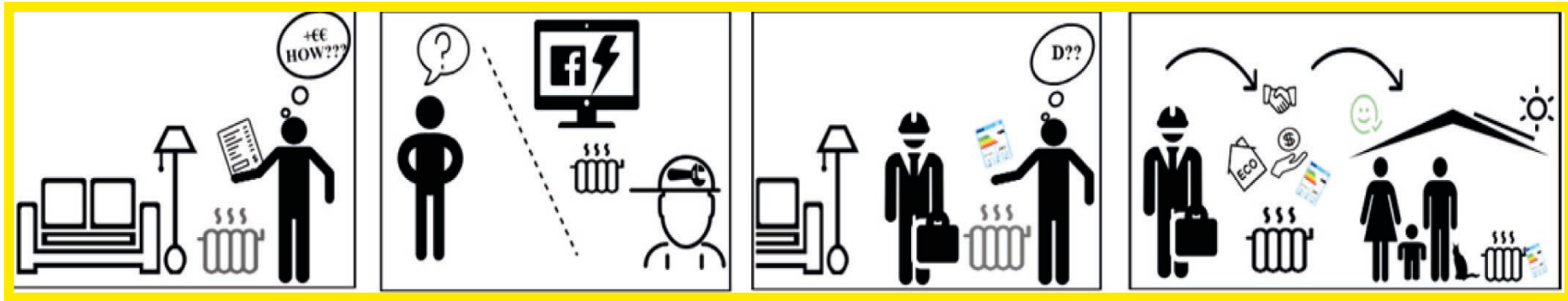
**Lot 1 – space heaters, combination heaters, packages of space heater, temperature control and solar device, packages of combination heater, temperature control and solar device**

**Lot 2 - water heaters, hot water storage tanks and packages of water heater and solar device**

**Lot 15 - solid fuel boilers and packages of a solid fuel boiler, supplementary heaters, temperature controls and solar devices**



## What is the main HARP idea?

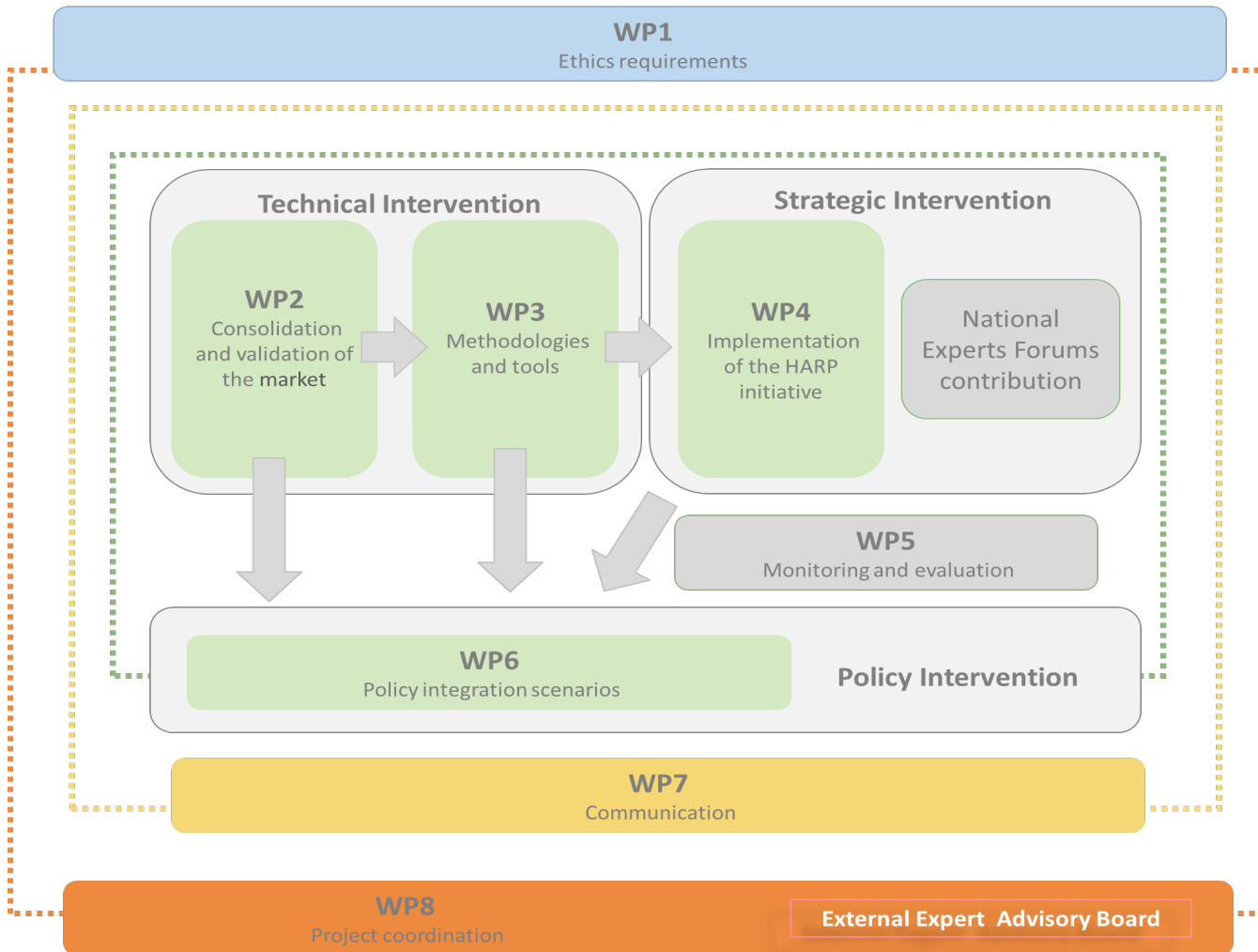


The main idea is to define the  
**energy label for installed heating  
boilers**

## HARP specific objectives

- SO1 | Reach over 1.5 million consumers**
- SO2 | Influence the heating system renovation process ... of more than 50000 tCO<sub>2</sub>-eq/y**
- SO3 | Develop two methodologies to label existing space and water heating solutions**
- SO4 | Develop an online application that accompanies the customer process to purchase new heating systems**
- SO5 | Engage with the heating sector supply chain committing 10 heating suppliers and training 1.000 professionals**
- SO6 | Nurture a network of experts in the heating and consumer sectors, at national and EU level involving 50 organizations.**
- SO7 | Provide the EC and the 5 participating MS public authorities with policy integration scenarios**
- SO8 | Influence 10 public authorities responsible for the management of energy efficiency support schemes**

# HARP structure – WPs overview





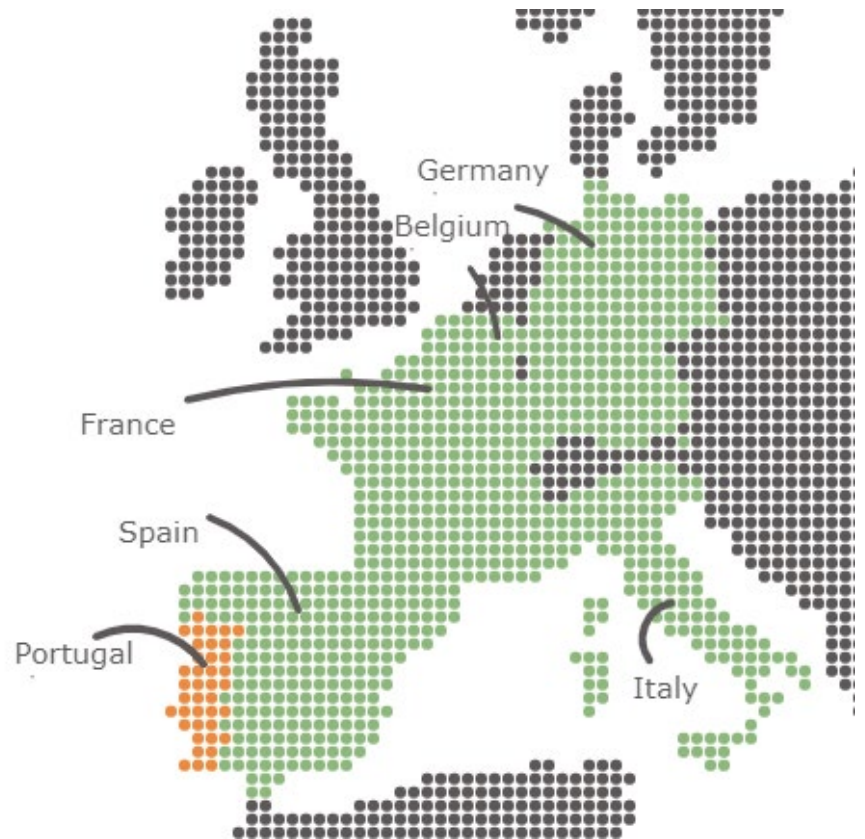
## WP4 - Engagement initiatives, implementation (Leader: Assotermica)

Deployment of an integrated **engagement campaign** focused on the consumer and fostering his **behaviour change** when confronted with inefficient heating solutions:

- define the **HARP National Action Plans** to deploy in Portugal, Germany, Spain, Italy and France:
  - Build the National Experts Forum (minimum 10 stakeholders)
  - Define activities for the two heating season campaigns
- **develop engagement materials for consumers**, toolbox including: articles, brochure, videos, factsheets, infographics, online serious games, etc.
- **develop commitment materials for professionals**, toolbox including: articles, brochure, trainings, tutorials
- **Implementation of the HARP Action Plan** at national and EU level

## NEF ITALY – Which experts there are?

CNA SHV  
NOI  
MDC  
ALTROCONSUMO  
CNA  
MCE  
ASSISTAL  
AICARR  
CIG  
CTI  
Eliante  
Politecnico di Milano  
GBC Italia  
Agenzia CasaClima  
ANGAISA





## NATIONAL EXPERTS FORUM – NEXT STEPS

- supporting network, involving the most relevant stakeholders, also public authorities and consumer-oriented agencies
- average of 10 entities
- Three meetings are to be scheduled:
  - 1<sup>st</sup> meeting (up to M15) - HARP strategy at the national level, activities and cooperation definition & **HARP tools presentation and validation**;
  - 2<sup>nd</sup> meeting (up to M25) - 1st results, feedback, best practices and **update of the national action plan**;
  - 3<sup>rd</sup> meeting (up to M32) – **policy integration scenarios for the national follow up and business models.**



# Thank you for your attention!



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**Follow us!**

[heating-retrofit.eu](http://heating-retrofit.eu)

@HarpProject 



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