

REPLACE in a nutshell

replace-project.eu

Making heating and cooling for European consumers efficient, economically resilient, clean and climate-friendly



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Disclaimer: The views expressed in this presentation are the sole responsibility of the author and do not necessarily reflect the views of the REPLACE consortium



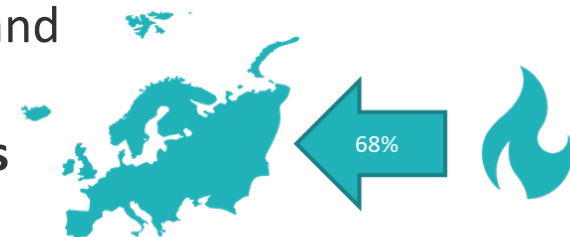
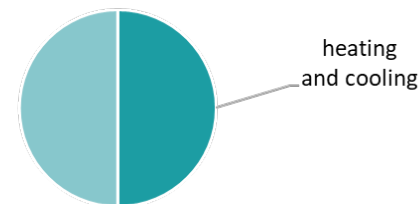
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Situation on the European space heating market

- Heating and cooling sector (HC) involves
 - 50% of the European final energy consumption, is responsible for over 68% of all natural gas imports
 - 80 million out of 120 million installed space heating systems in Europe only achieve C or D label class
- **REPLACE** aims to boost the phase-out of inefficient and old HC systems by targeting consumers, investors/owners as well as intermediaries and **helps them to make informed decisions.**

European final energy consumption



Situation on the European space heating market

- These facts give rise to motivate end consumers
 - to replace their equipment as quickly as possible
 - with more efficient, environmentally friendly, alternative systems



Objectives

- Motivate and support people in **eight countries** to replace their **old, inefficient heating systems** with **clean alternatives**.
 - **Campaigns** draw attention to the issue and help people to do so
 - **Tools and information materials** help people make informed decisions
 - **Simple renovation measures** that reduce overall energy consumption are also part of the program.
- The project **focus** is on the **residential heating sector**.
- It is coordinated by the Austrian Energy Agency and runs **until October 2022**.



In REPLACE 9 pilot regions (> 8 mio inhabitants) create campaigns for replacing inefficient heating systems by new, clean climate friendly systems



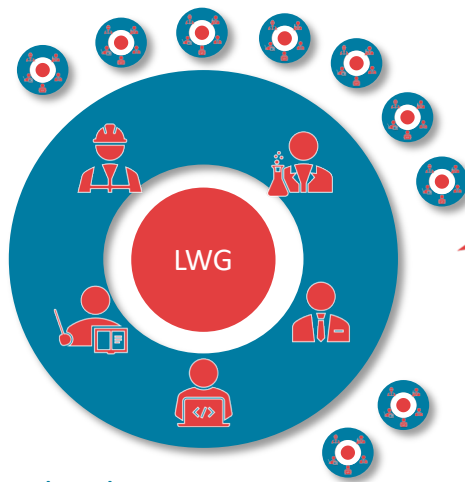
COUNTRY	TARGET REGION	INHABITANTS
AT	Federal State of Salzburg	550,000
DE	Bavarian Oberland	446,000
ES	Castilla y León Region	2,440,000
HR	Primorsko goranska County	300,000
BA	City of Zagreb incl. three bordering counties	1,400,000
BG	Canton of Sarajevo	400,000
RS	Rhodope Mountain Region	400,000
SI	City of Šabac	120,000
SI	Slovenia	2,070,000
MK	Skopje Region (Karpoš, Aerodrom, Gjiroče Petrov)	200,000
TOTAL		8,326,000



Developing and testing of campaigns by 9 local working groups

LWG composition

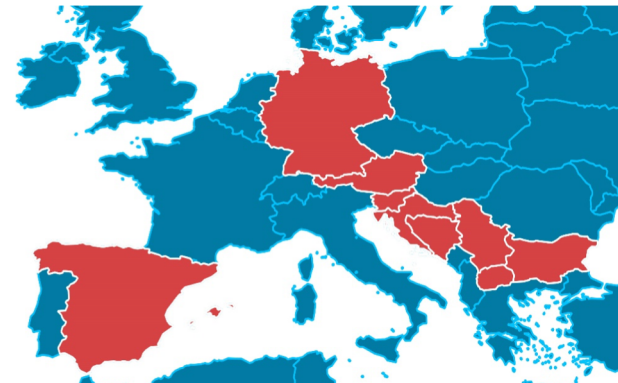
- Regional authorities
- Policy makers
- Municipalities
- Energy advisers
- Installers
- Chimney sweepers
- Equipment manufacture
- Equipment wholesale
- ESCOs
- Local/regional managers
- Ministries in charge
- Funding bodies
- Energy agencies
- Etc.



local
working
groups



campaigns
in
pilot regions



Offer of tailor-made „activity packages“
addressing and reducing main barriers



Kick-off meeting in November 2019 in Vienna



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Tools and info materials support end consumers to make informed decisions



- **Heating matrices** (which heating system fits to my house)
 - replace-project.eu/replace-heating-matrix
- **Replace Your Heating System Calculator** (an easy do it yourself energy advice)
 - energieinstitut.at/tools/Replace
- **Heating replacement Handook** for end consumers
 - replace-project.eu/technology-guides
- **Best Practice Examples** of heating systems
 - replace-project.eu/best-practice/



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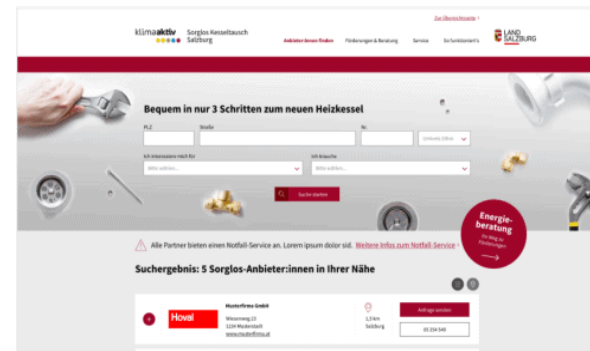
OGREVALNA MATRIKA							
Sistem ogrevanja		Tip stanovanjske stavbe / energijski razred					
		Pasivna stavba ¹ ≤ 10 kWh/m² a (A0)	Pasivna stavba ¹ ≤ 15 kWh/m² a (A2)	Niskoenergijska stavba ¹ ≤ 35 kWh/m² a (B0)	Energijsko učinkovita stavba ¹ ≤ 60 kWh/m² a (C)	Energijsko neukinkovita stavba ¹ ≤ 105 kWh/m² a (D)	Energijsko neukinkovita stavba ¹ > 105 kWh/m² a (E, F, G)
Sistem pasivne hiše Ugodno prežračevanje z ogrevanjem zraka Kombinacija prisilnega prežračevanja in toplotne črpalke prežračevanje + toplotna črpalka za ogrevanje Toplotna črpalka, ki temelji na izkoriščanju podtalnice ³ nizkotemperaturni sistem temperatura grednega medija je navzgor omejena s temperaturo 40° Toplotna črpalka, ki temelji na izkoriščanju toplote zemljine ³ nizkotemperaturni sistem temperatura grednega medija je navzgor omejena s temperaturo 40° Toplotna črpalka, ki temelji na izkoriščanju toplote zunanjega zraka ³		1	1	1	1	1	1

REPLACE in action!

One-stop shop in Austria



An **internet platform** of the pilot initiative, to select a provider in their vicinity. The provider undertakes to **install** climate-friendly heating systems, **carries out heating checks** to save energy and provides a mobile heating container in the event of a heating system failure, thus creating time for the exchange.



REPLACE in action!

Increased volume of subsidies in Bulgaria

Project partner BSERC was directly involved in increasing the subsidy for renewable heating systems at the national level to 70 mio Euro.

BSERC is also organizing a joint purchase of pellets in two municipalities in the summer of 2022, which will also have a positive effect on the price.



REPLACE in action!

A new subsidy scheme in Spain



The project partners made more knowledge about biomass directly available to end customers: 200 houses and 200 boilers are getting an information label.

10 info hubs have been established.

A new subsidy scheme developed by EREN is helping to switch a total of 10 MW of residential boiler capacity from fossil fuels to biomass within some months.



REPLACE in action!

Fuel oil boilers decrease in Slovenia



Everyone who wants to apply for a subsidy for climate-friendly heating is automatically recommended to use REPLACE Calculator.

Campaign “Replace fuel oil for the sake of the environment” resulted in replacement over 130 fuel oil boilers with heat pumps.



**ZAMENJAJ OLJE
ZA OKOLJE**



Contact



Thanks for your attention!

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