



ENHANCED QM IS COMING

The Austrian quality management system is under translation

We're translating the QM Holzheizwerke system into all partner national languages!

QM Holzheizwerke is a quality management program for biomass district heating systems, assuring efficient and sustainable planning and achievement. ENTRAIN aims at enhancing it and making it applicable at transnational level, through the integration and adaptation of new standards regarding flexible DH solutions using various heat sources (solar, waste heat, heat pumps).

The **country-specific planning guidelines** that describe and support the planning process - based on the planning guidelines of QM - are already in the [documents section of our website](#).

Our pilot regions are also in the process of implementing their [regional action plans](#), fostering diffusion of small integrated RES DH plants on their territory.

NEWS FROM OUR TARGET REGIONS

Neckar-Alb

7 PILOT PROJECTS FOR THE NECKAR-ALB REGION

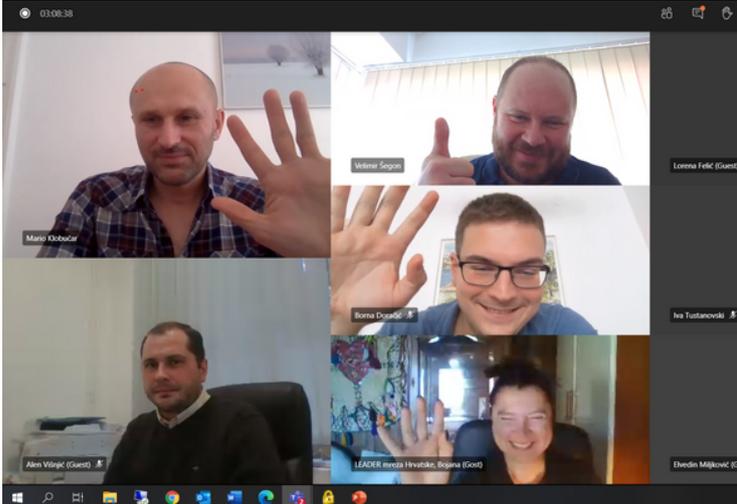
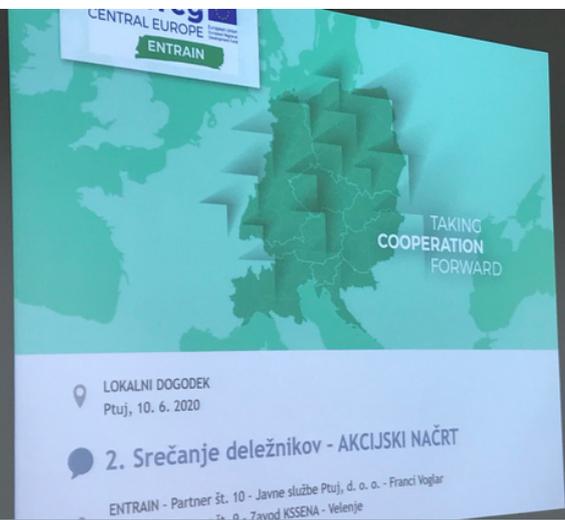
Our pilots cover different project development stages and concepts. E.g., we will look into not only a carbon-neutral, but carbon-negative energy supply of a farm offering inclusive jobs. A goal that could be achieved with a combination of solar thermal and the pyrolysis of biomass.



Vzhodna Slovenija

STAKEHOLDERS MEETING

We've been able to meet with our stakeholders in June, when COVID-19 had loosened its grip a bit. We discussed together future activities and we presented the regional action plan. We are truly satisfied with the meeting!



Kontinentalna Hrvatska

SUCCESSFUL 1ST TRAINING

We held a virtual live training at the end of September, dedicated to encouraging the development of small central heating systems based on renewable energy sources with an emphasis on biomass. More to follow in the next scheduled sessions!

Mazowieckie

MODERN HEAT DISTRIBUTION SYSTEMS IN PŁOŃSK

In Płońsk the ENTRAIN stakeholder Heat Supply Company is in the process of modernizing and expanding the district heating system, replacing existing networks with pre-insulated ones and constructing a new network to connect new customers.



Samuele Giacometti sta presentando

IMPATTO ECONOMICO-SOCIALE PER LA FORNITURA DI CALORE ANNUALE DI UNA ABITAZIONE UNIFAMILIARE

Interreg CENTRAL EUROPE ENTRAIN

Potenza scambiatore=15 kW - 1.500 ore funzionamento - Calore fornito = 22.500 kWh/a

Ore di lavoro generate in loco al variare del vettore energetico:

Legno	Gasolio	Metano
		
23 h	3 h	1,5 h
Riduzione ore di lavoro locale: -87%		-93%

Friuli Venezia Giulia

NEXT TRAINING: QM HOLZHEIZWERKE

After the first local training centered on the feasibility assessment for small RES DH networks (combining solar thermal+biomass), FVG team is organizing the next session for November 24th. Focus: QM planning guidelines & the economic-financial analysis of a QM-certified biomass DH network.

TWIN PROJECTS AND INITIATIVES

ENTRAIN also aims at exchanging experiences and know-how with other projects and initiatives focusing on the topic of DHC by renewables. This section is dedicated to news coming from such '**twin projects**' we established a cooperation with.

Low-temperature is key: REWARDHeat

The REWARDHeat project aims at demonstrating a new generation of low-temperature district heating and cooling networks by using renewable and waste heat.

Check out the [project summary video](#), highlighting the innovations featured by the technological cost-effective solutions to be developed by the project.



100% fossil-free DHC in 4 demo sites: WEDISTRICT

The WEDISTRICT projects has the objective to set up four 100% fossil-free heating and cooling solutions in Spain, Romania, Poland and Sweden. These demos will feature integrated solutions through a combination of RES, thermal storage and waste heat recycling technologies to satisfy 100% of the heating and cooling energy demand in new DHC and up to 60-100% in retrofitted DHC. The project relies on a holistic approach, complimenting the technologies with smart IT solutions, sustainable business models and citizens engagement. Join the WEDISTRICT [Community of Interest!](#)



Keep up with KeepWarm! Planning resources to make your DH system line up with EU climate targets

Moving forward towards the new EU ambitious climate goals, the [KeepWarm project supports](#) stakeholders to make their DH networks more sustainable. The main objective of KeepWarm is to support the further uptake of district heating, by making [recommendations to national governments and local authorities](#) on how to retrofit DH towards both efficiency and decarbonisation. To find out more, [contact us](#).



Solar district heating (SDH): the information portal www.solarthermalworld.org

Solar thermal is one of the energy sources able to decarbonise your DHC system: Check out solarthermalworld.org for **fresh news** and stories **about solar district heating and on solar thermal** more in general.

Did you know, for example, that [in the Chinese region of Mongolia, the largest SDH plant in the world using concentrating collectors has been installed?](#)

France, furthermore, is about to start [two new SDH projects in Narbonne and Pons](#).

solarthermalworld.org

NEW "TWIN": Horizon 2020 [RES DH project](#) coming soon!