

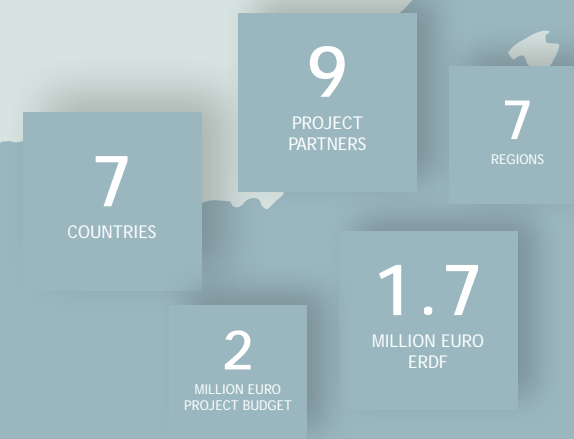
## WASTE HEAT UTILIZATION



### WHAT WE DO

CE-HEAT project aims to improve energy efficiency by focusing on waste heat utilization in central Europe. The partnership consists of 9 partners from 7 countries.

Its main purpose is to identify waste heat potential and encourage greater uptake and investment into waste heat recovery systems. To achieve this the partnership is working to develop comprehensive waste heat utilization solutions for planning, monitoring, managing and collaborating on waste heat projects.



TAKING  
COOPERATION  
FORWARD

### WHO WE ARE

Partners from seven European countries joined their forces to improve energy efficiency by leveraging on waste heat utilization.

#### Austria

- Technology Promotion Burgenland Ltd. (TOB)

#### Czech Republic

- Jan Evangelista Purkyně University Usti nad Labem (UJEP)
- National Centre for Energy Savings (NCEU)

#### Croatia

- Energy Institute Hrvoje Požar (EIHP)

#### Germany

- Thuringian Energy and GreenTech Agency GmbH (ThEGA)

#### Italy

- Energy Management Agency of Friuli Venezia Giulia (APE FVG)



#### Poland

- Poltegor-Institute (Poltegor)

#### Slovenia

- E-institute, institute for comprehensive development solutions (EZVD)
- Drava Hydropower Plants Ltd. (DEM)

#### Vision

Our vision is to develop high quality solutions for greater utilization of waste heat and to bring added value by testing these solutions through pilot projects realised in different scenarios.

Our transnational approach enables partners to use different experiences, knowledge and competences in order to find shared solutions to common problems.

#### Who funds us

Our project is funded by the Interreg CENTRAL EUROPE Programme that encourages cooperation on shared challenges in Central Europe.

With 246 million Euro of funding from the European Regional Development Fund, the programme supports institutions to work together beyond borders to improve cities and regions in Austria, Croatia, Czech Republic, Germany, Hungary, Italy, Poland, Slovakia and Slovenia.

DISCOVER MORE ABOUT  
**CE-HEAT**

[www.interreg-central.eu/CE-HEAT](http://www.interreg-central.eu/CE-HEAT)



#### Contact Us

CE-HEAT

E-institute, institute for comprehensive development solutions

Cuckova 5  
SI-2250 Ptuj

📞 00386 2 749 32 26

📘 [www.facebook.com/ceheat](https://www.facebook.com/ceheat)

🌐 [www.linkedin.com/in/ce-heat](https://www.linkedin.com/in/ce-heat)

🐦 @CE HEAT





## COMPREHENSIVE MODEL OF WASTE HEAT UTILIZATION IN CE REGIONS

Increasing energy efficiency of Central Europe regions by improving utilization of waste heat.

[www.interreg-central.eu/CE-HEAT](http://www.interreg-central.eu/CE-HEAT)

LEAD PARTNER: E-zavod/ E-institute

## FACTS AND FIGURES



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Project partners



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Outputs planned until May 2019



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Pilot projects in WH utilization



### Outputs

CE-HEAT project is based on establishment of two main solutions, which go beyond the state-of-art in the sector. A comprehensive approach to the waste heat utilization challenge will be provided by:

- Novel analytical and planning tool - regional cadastres of waste heat in a form of a digital GIS map with integrated data on form and quantity of each identified waste heat source.
- Toolbox for better waste heat use in Central Europe, where guidelines and calculators for waste heat utilization will be provided for different scenarios.

When provided to energy management authorities, the digital cadastre and waste heat utilization toolbox can be easily integrated into existing or new climate and energy strategies and easily spread to other areas in Europe.



## TOOLS

- Digital waste heat cadastres for seven partner regions
- Waste heat utilization toolbox - a tool for managing investments in waste heat utilization projects
- Waste heat utilization platform - a transnational web platform built as a repository space for innovative solutions, technologies, strategies, policies and collaboration for better waste heat use

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WH UTILIZATION TOOLS



## PILOT ACTIONS

### Implementation of waste heat utilization pilot projects

Pilot projects will be implemented in two scenarios:

- Integration of waste heat cadastres into energy planning policies (AT, DE, IT)
- Optimization of waste heat utilization with use of waste heat utilization toolbox (CZ, HR, PL, SLO)

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PILOTS



## STRATEGIES AND ACTION PLANS

### Regional waste heat utilization action plans

- Identification of waste heat utilization projects, potential sources of financing (Cohesion funds, ERDF, private investments) and timeline for their implementation.
- Integration of key stakeholders in planning of waste heat utilization investments.

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ACTION PLANS



## TRAINING

### Educational activities

- Trainings for regional policy makers - providing information on waste heat utilization package (cadastre, toolbox, action plan)
- Training programme on waste heat cadastre use and management - training materials for energy planners and policy makers on how to manage cadastres and plan/implement investments into waste heat utilization

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TRAININGS