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# Waste water - renewable heat source for heat pumps

## WASTEWATERHEAT

The aim of the project WasteWaterHeat is to provide specific information for European and national key actors about technology, economics and potential energy saving if heat energy is taken from wastewater. We do so by cooperating closely with producers, planners, experts, local authorities and operators of existing facilities. The objectives behind are to develop the necessary steps to overcome existing barriers in the energy market, to disseminate the knowledge about wastewater heat utilisation and to increase the use of wastewater heat in Europe. It is attractive to accomplish a wastewater heat project due to economic reasons and the potential high efficiency of decentralised energy systems in general. The usage of wastewater heat is particularly interesting for implementation in urban areas where high pollution values especially ask for the implementation of energy supply solutions with low CO<sub>2</sub>-emissions.



## Results

- Overview about the market situation in each partner country
- Overview about the existing heat pump and heat exchanger technology and systems in Europe
- Project development guideline with best practice analyses in each partner country
- Pilot projects and pre-feasibility studies in each partner country
- Strategy of a market rollout in Europe

## Lesson learned

- The accomplished market analysis in the four partner countries has shown that Wastewater heat has the potential to supply thousands of household with heat energy.
- For cost effective reasons it is particular important to coordinate the necessary installations for wastewater heat projects with the local infrastructure planning.
- Good cooperation with the local company who operates the waste water system is essential for a successful realisation of wastewater heat projects. Last update: 24.06.2010

## Partners and coordinator

<a href="#">Berliner EnergieagenturGmbH</a> [1]	Germany
<a href="#">Grazer Energieagentur Ges.m.b.H.</a> [2]	Austria
<a href="#">Norconsult AS</a> [3]	Norway
<a href="#">Energy Agency for Southeast Sweden</a> [4]	Sweden

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## **Budget**

Overall budget: 471.908,00 € (EU contribution: 50,00 %)

## In brief

Sector: Small-scale applications

Duration: 01/01/2006 to 31/12/2007

Contract number: EISAS/EIE/05/145/2005

Website: <http://www.berliner-e-agentur.de/>

### Tags:

waste

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