



Federal Ministry  
for Transport,  
Innovation and Technology

Invitation – International Workshop

# IEA Workshop on a Technological Vision for the Heat Pump Industry

November 9, 2010

Austrian Institute of Technology, Vienna



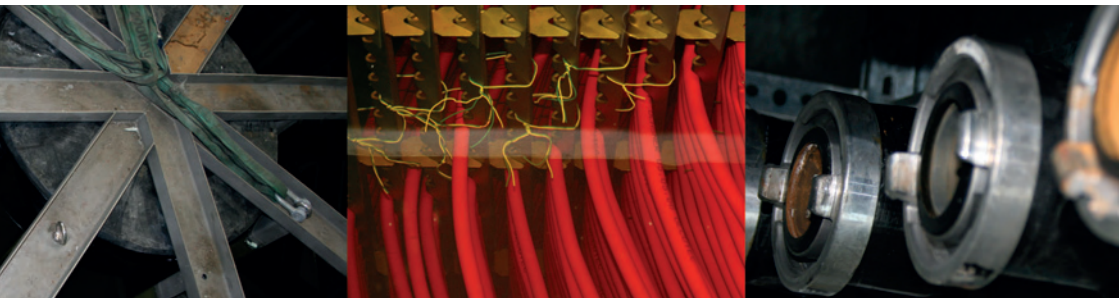
Heat pumps have a long tradition in Austria. As early as 1853, Peter Ritter von Rittinger has designed and built the first heat pump, a hydro-power driven mechanical vapour recompression system, used in the saline of Ebensee. Nowadays three centrifugals with an input of 20 MW are in operation there.

The “real” Austrian heat pump market started its development at the end of the seventies with a growing demand for groundwater heat pumps for the use in new buildings and outside air heat pumps in bivalent systems for retrofitting existing buildings. After the oil price dropped in 1985, the market collapsed and the remaining manufacturers concentrated mainly on ground source heat pumps. From then on, it has been a long way forward for manufacturers, associations and researchers to develop the market and technology we have today.

Austria played an active role in the development of the IEA activities e.g. as organiser of the first IEA Heat Pump Conference in Graz or as founding member of the European Heat Pump Association in Brussels in the year 2000.

The acceptance of the heat pump technology not only as an energy efficient technology, but also as a device for using renewable energy, by the European Union in 2009 can be seen as a major break through, which will impact positively on the market development of this technology.

This Workshop aims to demonstrate the Austrian activities within IEA and EHPA, the impact of these efforts on the heat pump market development and an outlook of possible future developments market and technology-wise.



## November 9, 2010

- 09:30 Registration, Coffee**
- 10:00 Welcome and Opening of the Workshop**  
Brigitte Bach, AIT  
Sophie Hosatte, Chair IEA Heat Pump Programme
- 10:20 Energy Research in Austria**  
Sabine List, Ministry of Transport, Innovation and Technology
- 10:40 The IEA Heat Pump Programme**  
Sophie Hosatte, Chair IEA Heat Pump Programme  
Monica Axell, Head IEA Heat Pump Centre
- 11:20 EU Regulations and their Impact on Heat Pumps**  
Martin Forsen, Chair ExCo EHPA
- 11:40 The European Heat Pump Association EHPA**  
Karl Ochsner, Chair EHPA, BWPA
- 12:00 LUNCH**
- 13:30 From D-A-CH to EHPA – the EHPA Heat Pump Quality Label**  
Hermann Halozan
- 13:50 Heat Pump Market Development in Austria and Europe**  
Andreas Bangheri, LGWA
- 14:10 Testing and Monitoring of Heat Pumps at AIT**  
Heinrich Huber, Andreas Zottl, both AIT
- 14:30 COFFEE BREAK**
- 15:00 Heat Pump Research and Development in Austria**  
Michael Monsberger, AIT  
Rene Rieberer, Graz University of Technology
- 15:20 Wrap-Up and Closing**  
Sophie Hosatte, Brigitte Bach, Hermann Halozan
- 16:00 Visit of the Test Facilities of AIT**

## Registration

Bettina Brunnader  
Austrian Institute of Technology  
Phone: +43 50550 6497  
Fax: +43 50550 6679  
E-Mail: [bettina.brunnader@ait.ac.at](mailto:bettina.brunnader@ait.ac.at)



The workshop is free of charge.  
Please note the deadline for registration: November 3, 2010

**For more information: [www.ait.ac.at/waermepumpen](http://www.ait.ac.at/waermepumpen)**

## Venue

Lyceum, Austrian Institute of Technology  
Giefingasse 2, 1210 Vienna

## Date

November 9, 2010  
9:30 – 16:00

## *Research Cooperation International Energy Agency*

*Austrian Ministry for Transport, Innovation and Technology BMVIT  
Division of Energy- and Environmental Technologies  
A-1010 Vienna, Austria, Renngasse 5  
Head of Division: DI Michael Paula*

**[www.nachhaltigwirtschaften.at/iea](http://www.nachhaltigwirtschaften.at/iea)**