

Solar and Heat Pump Systems

May 2010

The new combined SHC Task and HPP Annex called “Solar and heat pump systems” has started ! It will extend from 2010 to 21013. It is a join effort of the SHC and the HPP bodies and will be lead by one operationg agent (JC Hadorn of Switzerland). For SHC it is Task 44 and for HPP the annex number will be given soon.

During the first meeting in Bolzano, Italy (April 29-30, 2010) more than 50 experts from 14 countries and from both technical background (solar and heat pumps) gathered to start the new activity.

Subtask A (leader S. Herkel from ISE, Germany) dealing with real projects has seen more than 20 presentations of projects combining solar collectors and a heat pump auxiliary that will be evaluated within the Task.

Subtask B (leader: I. Malenkovic from AIT Austria) discussed of a common seasonal performance factor definition and of laboratory testing.

Subtask C (leader: C. Bales from SERC Sweden) reviewed existing solar collector models as collector and heat pump evaporator and started the review of transient heat pump models. A reference case was also discussed which will be an extension of IEA SHC Task 32 well documented case for TRNSYS simulations and comparisons.

Subtask D (leader: W. Sparber from EURAC Italy) discussed the final handbook, the future web site and the new logo (to be issued in July 2010).

New participants are encouraged to join the work prior to the next meeting in Vienna (October 2010) in order to contribute to this cooperative work to optimize the possible combinations of solar collectors and a heat pump for one family house primarily.

For more information on this work contact the Operating Agent, Jean-Christophe Hadorn, jchadorn@baseconsultants.com from Switzerland, and see soon at: www.iea-shc.org)