



AGENDA V4

Industry and Tasks 44 / Annex 38 - 45 get together workshop

April 6th 2011, 1500-1930, Barcelona, Spain

Workshop on

Solar and heat pump small and large systems

Target audience: local engineers, administration, solar companies, HVAC companies, Heat Pump companies, architects, ESCOs, Tasks participants

1500: Introduction, Hadorn, Nielsen, Aiguasol

1515: Introduction to Task 45 "Large solar heating/cooling systems, seasonal storages, heat pumps"
Jan Erik Nielsen, Operating Agent of Task 45, for the Danish Energy Agency, PlanEnergi, Denmark,
www.iea-shc.org/task45

1525: Large scale systems, state of the art,
Jan-Olof Dalenbäck, Chalmers University/Industrietechnik, Sweden, www.cit.chalmers.se

1540: Large scale systems, examples, experience and challenges
Christian Holter, S.O.L.I.D., Austria, www.solid.at

1555: Demonstrating seasonal storage and 100 % solar fraction
Doug McClenahan, Natural Resources Canada, www.nrcan-rncan.gc.ca/com/

1610: Spanish example (Aiguasol)

1625: Break

1645: Introduction to IEA SHC and Task 44 Solar and Heat Pump systems
Jean-Christophe Hadorn, Operating Agent of Task 44 / Annex 38, for the Swiss Federal Office of Energy, BASE consultants SA, Geneva, Switzerland, www.iea-shc.org/task44

1700: Examples of S+HP systems for one family houses
Sebastian Herkel, Task 44 / Annex 38 Subtask A leader, Head of Solar Building Group, Fraunhofer-Institute for Solar Energy Systems, Freiburg, Germany <http://www.ise.fraunhofer.de>

1715: Testing, what can be tested ? what should ?



Ivan Malenkovic, Task 44/ Annex 38 Subtask B leader ,Energy Department, Sustainable Thermal Energy Systems, AIT Austrian Institute of Technology, Vienna, Austria ,<http://www.ait.ac.at>

1730: Simulation, what can be done before a project ?

Michel Haller, Task 44 / Annex 38 Subtask C leader, Projektleiter Forschung / Project Manager Research, Institut für Solartechnik SPF, Hochschule für Technik Rapperswil HSR, Rapperswil, Switzerland www.solarenergy.ch

1745: Spanish focus, Aiguasol

1800 – 1830: podium discussion, future of technology, relevance for Spanish conditions, questions from audience

1830-1930: aperitifs