



IEA SHC & IEA HPP
TASK44 - SOLAR AND HEAT PUMP SYSTEMS
Meeting 2 - Vienna, October 28 - 29, 2010

Location: AIT, Vienna, Austria
For directions check: <http://www.ait.ac.at/>



PRELIMINARY AGENDA

To be confirmed:

Wednesday October 27, 2010
Austrian industry meeting organized by AIT

Thursday October 28, 2010

09.00 IEA SHC Task 44 plenary session 1
chair: J.C. Hadorn, OA

09.00 Welcome and Arrangements

1. Hotel, meeting rooms
2. Breaks, lunch, evening
3. Trains and planes: back flight times ?
April 30 afternoon: special Italy Workshop on topic
4. List for dinner
5. Industry workshop feedback

09.15 General matters

1. Our second meeting !
2. List of participants in this meeting + SHC or HPP ?- email list OK ?
3. Presentation of each participant and status of participation (national participation letter, financing)



-
4. Table of participation in Task 44 (to be checked and filled up by participants)
 5. IEA SHC Task project on Large Scale Solar and HP Systems: 1st meeting feedback from participants... (Stuttgart Oct 26-27 !) Information on: <http://www.solarkey.dk/IEA-SHC-LS/>
 6. EUROSUN 2010: feedback from all

IEA SHC Exco 1/2010 in SF, news and feedback

- Feedback and news from EXCO, next meeting Nov, 2010, Capetown, RSA
- New documents and web site from IEA and SHC
- IEA SHC other Tasks output, new Tasks: OA and participants in those Tasks

IEA HPP Exco 1/2010

- Feedback from participants ?
- other annexes and new ones: OA and participants in those Annexes
- next Exco meeting
- relation Task 44 to HPP

Next meetings ?

- April 7-8 2011, Spain
- October 2011, ?

10.00 Subtask A : solutions and generic systems chair: S. Herkel

- Subtask leader introduction
- Subtask leader general presentation: classification of systems, new developments
- Sub. A Projects presentation: *10-15 min max for status and outlook.*

List of presentations in Subtask A

Please register by Subtask leader by mail before the meeting indicating your presentation title + authors

One Break at around 11.00

- Discussion of results and how to proceed with work in Subtask
- Subtask content and deliverables discussion
- Workplan check
- Reports status
- To do list

12.30 lunch

14.00 Subtask A cont'd

16.30 end of Subtask A - break

17.00 Subtask B: Performance assessment
chair: I. Malenkovic

- Subtask leader introduction
- Projects presentation: 10-15 min max for status and outlook.

List of presentations in Subtask B

Please register by Subtask leader by mail before the meeting indicating your presentation title + authors

- Discussion of results and how to proceed with work in Subtask
- Subtask content and deliverables discussion
- Workplan check
- Reports status
- To do list

19.30 end of Subtask B

Evening together

20.00 at meeting point



Friday October 29, 2010

08.00 Subtask B cont'd

10.00 end of Subtask B - break

10.30 Subtask C: Modelling and simulation
chair: Michel Haller

- Subtask leader introduction: expectations
- Projects presentation: 15 min max for status and outlook.

List of presentations in Subtask C

Please register by Subtask leader by mail before the meeting indicating your presentation title + authors

- Discussion of results and how to proceed with work in Subtask
- Subtask content and deliverables discussion
- Workplan check
- Reports status
- To do list

13.00 end of Subtask C - short lunch

14.00 Subtask D: dissemination and market support
chair: W. Sparber

- Subtask leader introduction: expectations and status
- Logo
- Task 44 website: iea-shc.org, eurac, links, articles, Eurosun papers, etc... send your meeting presentations in pdf to Subtask leader if not yet done
- Task 44 brochure
- Task44 powerpoint presentation template
- Projects presentation: *10-15 min max for status and outlook.*

List of presentations in Subtask D

Please register by Subtask leader by mail before the meeting indicating your presentation title + authors



-
- Discussion of results and how to proceed with work in Subtask
 - Subtask content and deliverables discussion
 - Workplan check
 - Reports status
 - To do list

15.30 end of Subtask D - short break

16.00 IEA SHC Task 44 plenary session 2
chair: J.C. Hadorn, OA

- Summary
- Work plan check
- Future exhibitions and conferences
- Minutes: will be sent out within 20 days
- Conclusion: work ahead

16.30 End of Task44 meeting



Appendix 1: list of ongoing projects within Task 44

This list is to be set up during meeting 1

Subtask A

1. Switzerland, ESSA-Consolar Solaera project on a family house
2. Switzerland, Fribourg, Long term storage project for a family house
3. Denmark, Cenergia with TI, Solar prism for a well insulated house
4. Austria, TU Graz and AEE Intec, WRGpot project, heat recovery from DHW waste water in houses
5. Austria, TU Graz and AEE Intec, 8 projects in Solpumpeff project
6. Belgium, K.U. Leuven, Lessius campus De Nayer, 3E, Siemens, 13 houses project Zoerle-Parwijs with asphalt collectors
7. Austria, ASIC: Austrian solar innovation center, Wels, unglazed and heat pump, System type 5
8. Austria, ASIC: Austrian solar innovation center, Wels, PV-T collectors
9. Germany, Schüco: Solar and heat pump for a solar house, monitored
10. Germany, ISFH, unglazed PVT
11. Germany, Sonnenkraft
12. Sweden, Lund
13. Canada, PVT
14. Denmark, Ellehauge: 6 to 8 projects are being monitored
15. Denmark, DTU
16. Spain, Aiguasol

To be confirmed:

17. Switzerland, Atmova: 3 buildings with tile absorber
18. Germany, Consolar
19. Sweden, Euronorm, PHD
20. Germany, Solar decathlon

Task 44: Timetable Subtask D	2010				2011				2012				2013			
	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
D1: Homepage (W. Sparber, J.C. Hadorn)																
External Homepage - with main texts and public presentations ready			▲													
Internal homepage - with structure, presentations and documents ready			▲													
Updating of internal and external homepage				▲		▲		▲		▲		▲		▲		
Homepage final status with all presentations and public reports available																◆
D2: Educational material (S. Herkel, I. Malenkovitch, C. Bales, W. Sparber)																
Educational material on Subtask A - state of the art and systems overview			■	▲												
Educational material on Subtask B - Standards, Test labs, Performance, Commissioning							■	▲								
Educational material on Subtask C - Modelling, Software Decks, Tools, Dimensioning											■	▲				
D3: Newsletter (S. Herkel, I. Malenkovitch, C. Bales, W. Sparber)																
Newsletter on Subtask A - state of the art and systems overview				◆												
Newsletter on Subtask B - Standards, Test labs, Performance, Commissioning							◆									
Newsletter on Subtask C - Modelling, Software Decks, Tools, Dimensioning											◆					
Newsletter on Task Overview - Results and news form all subtasks															◆	
Policy Paper ???																
D4: Workshop and conferences (Meeting hosts, Activity responsible, W. Sparber)																
National workshops (meeting hosts)	▲				▲				▲				▲			
Papers for international conferences according to the deliverables of A, B, C						▲		▲		▲		▲		▲		
B4: Handbook (Chapter responsables, W. Sparber, J. C. Hadorn)																
Decision of structure, chapters, responsible and figures									▲							
Selection of the publisher											▲					
Elaboration of theory chapters									▲			◆				
Finalisation of practical experience chapters											▲		◆			
Delivery to the publisher															◆	
Handbook available																◆

Appendix 3: level of effort to be checked during meeting 2

April 2010								Person-month on Task 44 only							Person-month on Task 44 only • on your project related to Task 44							
IEA SHC Task 44															IEA SHC Task 44							
	MI	2010	2011	2012	2013	2014	TOTAL									2010	2011	2012	2013	2014	TOTAL	
Australia																						
<i>Rheem</i>	1	0.5	0.5	0.5	0.5		2.0								4.5	8.0	10.0	4.0			26.5	
Austria																						
AEE Into	1	0.5	1.5	1.0	?		3.0								4.5	8.0	10.0	4.0			26.5	
AIT	1	?	?	?	?		-															
IWT	2	?	?	?	?		-															
Uni Innsbruck	1	?	?	?	?		-															
GSS	1	?	?	?	?		-															
Belgium																						
De Nayer instituut	2	?	?	?	?		-															
Canada																						
CanMet	2	4.0	4.0	4.0	4.0		16.0															
Denmark																						
DTU	1	1.3	?1.3	?1.3	?1.3		1.3															
E & K	1	1.7	?1.7	?1.7	?1.7		1.7															
EU Industry																						
EHPA	1	0.5	0.5	0.5	0.5		2.0															
Finland																						
Aalto Univ.	1	?	?	?	?		-															
France																						
EDF	1	1.0	?2	?2	?2		1.0															
Germany																						
Schueco	1	1.0	2.0	1.0	1.0		5.0															
Fraunhofer ISE	2	?	?	?	?		-															
Wagner	1	0.5	0.5	0.5	0.5		2.0															
Sonnenkraft	1	?	?	?	?		-															
ISFH	1	?	?	?	?		-															
HFT	1	?	?	?	?		-															
Ingolstadt Univ	1	?	?	?	?		-															
ITW	2	?	?	?	?		-															
Italy																						
Politecnico di Milano	3						-															
EURAC	3	6.0	6.0	6.0	6.0		24.0															
Portugal																						
LNEG	1	?	?	?	?		-															
Spain																						
IIE UPV	1	0.5	0.5	0.5	0.5		2.0															
Ridmes	1	?	?	?	?		-															
Aiguasol	1	?	?	?	?		-															
Sweden																						
SERC	2	?	?	?	?		-															
SP	1	?	?	?	?		-															
Lund Univ	1	?	?	?	?		-															
KTM	1	?	?	?	?		-															
Switzerland																						
EIA Fribourg	1	?	?	?	?		-								?	?	?	?	?			
IEB-FHNW	2	4.0	6.0	6.0	6.0		22.0								4.0	6.0	6.0	6.0			22.0	
LESEBAT	2	6.0	15.0	15.0	6.0		42.0								6.0	15.0	15.0	6.0			42.0	
SPF	2	6.0	6.0	6.0	6.0		24.0								12.0	12.0	12.0	12.0			48.0	
Vela Solaris		0.5	0.5	0.5	0.5		2.0								12.0	12.0	12.0	12.0			48.0	
ESSA	1	2.0	2.0	2.0	2.0		8.0								6.0	6.0	6.0	6.0			24.0	
OA Hadorn	1	4.0	4.0	4.0	4.0	2.0	18.0								4.0	4.0	4.0	4.0	2.0		18.0	
USA																						
Sandia	1	?	?	?	?		-															
person-year over 11 months							150.0															228.5
							13.6															20.8