

Task 66 “Solar Energy Buildings”

Meeting No 6 - Minutes

Minutes Meeting No 6;
Version 1.0; Date 27/10/23 HD+CH

Date/Time:

October 9, 2023 (Monday):	Start 08:30 CEST (UTC +2) Task Meeting (End 12:30 h)
October 9, 2023 (Monday):	Start 13:30 CEST (UTC +2) Industry Workshop No 4 (End 17:30 h) (see separate agenda)
October 10, 2023 (Tuesday):	Start 9:30 CEST (UTC + 2) Joint Subtask BC Meeting (End 12:00 h)
October 10, 2023 (Tuesday):	Start 13:00 CEST (UTC + 2) Workshop of Task 66 together with Annex 83 (End 16:30 h) See agenda at the end of this document on page 12 and 13

Location:

Franziskaner Kloster, Franziskanerplatz 14, Room on the 1st floor: Franziskussaal, 8010 Graz, Austria

Note: *Online participation in the task meeting is **not** possible*

Further information: <https://task66.iea-shc.org/>

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Agenda day 1 (Monday, October 9, 2023)			
Item	Start time	Topic/Content/Responsible	Related documents / comments / details
1	08:30	Welcome by Harald Drück (IGTE) and Thomas Ramschak (AEE Intec) Meeting organization, agenda, goals, practical meeting information	Task66_M6_Orga_HD1.pdf
2	08:45	Introduction by Harald Drück (IGTE) <ul style="list-style-type: none"> General Presentation of Task 66 “Solar Energy Buildings” Note: Subtask B and C were merged → New Subtask “BC” Results of previous meetings (M1 to M5) and current status of activities	Task Workplan (V2, Dec 20) Minutes_M1 Minutes_M2 Minutes_M3 Minutes_M4 Minutes_M5
3	09:00	Introduction of Participants <ul style="list-style-type: none"> Verbal introduction of participants (approx. 2 min per person) 	
4	09:30	General Introduction to subtasks by Harald Drück (IGTE) <ul style="list-style-type: none"> Introduction and discussion of modified work plan due to merge of Subtask B and C Note: Subtask B and C were merged → New Subtask “BC” 	Task66_work-plan_V3draft1.pdf

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5	9:45	<p>Subtask D: Current and future technologies and components Michael Gumhalter and Thomas Ramschak, AEE – Institute for Sustainable Technologies, Austria</p> <p>Past Subtask Meetings (between the 4th and 5th Meeting of Task 66)</p> <ul style="list-style-type: none"> • February 28, 2023 • May 05, 2023 • September 21, 2023 <p>Note: For further information to the topics mentioned below see presentation “Task66_M6_Gumhalter1.pdf”</p> <p>Topics</p> <ul style="list-style-type: none"> • News and status of the subtask • Presentation DD2 “Description of promising future technologies” -Focus on Tech Radar • Introduction of factsheets as DD3 -Presentation of sample factsheet -Presentation of topics and search for input providers <p>Future work</p> <ul style="list-style-type: none"> • Publication of Deliverable DD2 • Creation and collection of factsheets for DD3 <p>Planned Subtask Meetings</p> <ul style="list-style-type: none"> • to be determined (mid/end of November 2023) 	<p>Task66_M6_Gumhalter1.pdf</p> <p>Task66_DD.1_TechPortfolio_V1.1.pdf</p> <p>Task66_D.D.2_FutureTech_V0.2.pdf</p>
6	10:30	Coffee Break	

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7	10:45	<p>Subtask BC: New and existing buildings blocks / communities Elsabet Nielsen, Department of Civil Engineering, Technical University of Denmark Xinyu Zhang and Wenbo Cai from the China Academy of Building Research, Beijing, China</p> <p>Past Subtask Meetings (between the 5th and 6th Meeting of Task 66)</p> <ul style="list-style-type: none"> • March 21, 2023 • May 30, 2023 • August 1, 2023 <p>Topic</p> <ul style="list-style-type: none"> • Status of the subtask • Status on deliverable D.BC1 Demonstration cases • Status on deliverable D.BC2 Description of processes and tools currently used to design or convert existing building stock into new Solar Energy Building communities • Agreement on next steps <p>Planned Subtask Meetings</p> <ul style="list-style-type: none"> • A doodle will be sent out the to determine the date for the next subtask BC meeting. The meeting should take place in the end of November 2023. 	<p>Task66_D.BC1_DemoCasesv_draft2.pdf</p>
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8	11:15	<p>Subtask A: Boundary Conditions, KPIs, Definitions and Dissemination Frank Späte, (OTH-AW, Germany)</p> <p>Past Subtask Meetings (between the 5th and 6th Meeting of Task 66)</p> <ul style="list-style-type: none"> • None <p>Dissemination</p> <ul style="list-style-type: none"> • Task brochure/Flyer • Task Video • Task Poster • Industry Workshop No., 1 • Industry Workshop No., 2 • Industry Workshop No., 3 • Industry Workshop No., 4 <p>KPIs (Key Performance Indicators)</p> <ul style="list-style-type: none"> • Final list of KPIs - Deliverable D.A2 (version from 13/12/22) <p>Reference Building</p> <ul style="list-style-type: none"> • Final definition of reference buildings / cases, Deliverable D.A4 <ul style="list-style-type: none"> - Guideline (part 1) - Template (part 2) <p>Future work Starting the work on the next Deliverables:</p> <ul style="list-style-type: none"> • D.A6 “SEB promotion document for investors” (due date 29/02/2024) and • D.A7 “Policy oriented guidelines for the promotion of SEB” (due date 30/06/2024) <p>Draft outlines with bullet points on the contents for both deliverables were presented. The result of the discussions was that the publications should not be long, because the target groups will not read them. It should be short information of about 4 pages, each for the different target groups as well as for different climate zones and if</p>	<p>Task66_Flyer1.1.pdf</p> <p>Task66_Video1.mp4</p> <p>Task66_Poster1.pdf</p> <p>Task66_IndWs1</p> <p>Task66_IndWs2</p> <p>Task66_IndWs3</p> <p>Task66_IndWs4</p> <p>Task66_D.A2_Final list of KPIs_1.3_draft2.pdf</p> <p>Task66_D.A4_Final_def_RefBui_draft1Pam.docx</p> <p>Task66_D.A4_Final_def_RefBui_draft2.xlsx</p> <p>Task66_D.A6_SEB_PromoDoc_draft1.pdf</p> <p>Task66_D.A7_SEB_PolicyDoc_draft1.pdf</p>
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		<p>necessary different building types. The content is then an extract from the presented designs, tailored to the respective target groups and boundary conditions.</p> <p>Dissemination activities are continuously ongoing</p> <p>Planned Subtask Meetings</p> <ul style="list-style-type: none"> To be determined 	
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9	11:45	<p>Organisational aspects (HD)</p> <p>National participation letters (Status) Received: Austria, Denmark, Slovakia, China, Germany, Portugal, Missing:-Australia Template: http://files.iea-shc.org/public/q8z/task66-participationletter-draft1hd.docx</p> <p>Emailing – Mailing rules Subject: Task66: abc..xyz – for information relevant for the complete task Task66X: abc..xyz for information relevant for subtask X (X=A,B,C,D)</p> <p>Subtask Meetings: It was agreed that every Subtasks Leader should invite in addition to his subtask team also the leaders of the other Subtask and the operating agent</p> <p>Task emailing list It was agreed that no official email address for Task 66 is required. The Task 66 emailing list is managed by the operating agent (HD) and the task manager (CH). If there is something to be distributed to all members and interested parties of Task 66 this should be send to HD and/or CH for distribution</p> <p>Subtask emailing list will be managed by the subtask leaders individually</p>	
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9	<p>Organisational aspects - continued</p> <p>Cloud based document processing will be managed by the subtask leaders individually</p> <p>Note: For read (and download) only access, document can be made available www.iea-shc.org In case you would like to make documents available via this site, please send them to CH and/or HD</p> <p>Prolongation required? Duration (up to now): July 2021 to June 2024 Yes, if final Task66 meeting and workshop will be held in combination with the Eurosun 2024 conference in September 2024 at Cyprus</p> <p>Follow-Up Task? → Yes Possible topic or title: Smart Solar Energy Buildings or Green Solar Buildings Aspects to be considered: (results from short brainstorming)</p> <ul style="list-style-type: none"> • System integration – hybrid systems with multi energy sources • Zero carbon buildings - overall LCA and carbon footprint • Advanced control systems, e.g. to minimize grid loads, to react on flexible electrify prices • Virtual power plants • Concepts using hydrogen, e.g. as storage medium • Energy communities / districts / smart cities • Financial aspects, risk analysis, security of supply • Costs & CO₂-emissions of renovation vs. installation of solar energy systems • Elaboration of certification schemes for “green” or “solar energy buildings” • consideration (and ways to influence) user behaviour • ... 	<p>See also Task66_M6_Orga_HD1.pdf</p>
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10	12:00	<p>Nice “pictures”</p> <p>If you have some to share, please send them to Claudia Scholl-Haaf: (claudia.haaf@igte.uni-stuttgart.de) together with</p> <ul style="list-style-type: none"> - the permission to use them (see link to “Task66A_Photography-Copyright-Release-Form”) - information what is shown (e.g. <i>solar multifamily house with PV and ST in Berlin, Germany</i>) - information how they should be referenced 	<p>Task66A_Photography-Copyright-Release-Form.docx</p>
11	12:05	<p>ISEC – International Sustainable Energy Conference 09.-11.04.2024, Graz, Austria</p> <p>Deadline for Abstracts: October 12, 2023</p> <p>Ideas for contributions from Task 66:</p> <ul style="list-style-type: none"> • Uni Innsbruck, Elisa Venturi et. al. <ul style="list-style-type: none"> - Cost analysis (based on monitoring data and simulation) of the An-der-Lan project - Solar potential of the Campagne project (in combination also with Annex83) • Uni Stuttgart, IGTE, Henner Kerskes et. al. <ul style="list-style-type: none"> - Results of SolSpaces-E project - “something” related to thermochemical heat storage • IGTE + Viessmann + AEE INTEC: Contribution about Sol4City-Project • Gerhard Mengedoht: PV and ST on a Solar Active House 	<p>https://www.aee-intec-events.at/isec2024.html</p>
12	12:15	<p>Eurosun conference in September 2024 at Cyprus <i>Not: Exact date not fixed up to now</i></p> <p>Final Task meeting combined with workshop</p>	

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13	12:20	<p>Summary and next steps (HD)</p> <ul style="list-style-type: none"> • Meeting No.7: - <i>as agreed at our last meeting</i> virtual start on February 5, 2024 at 12:00 CET (UTC+1) end on February 6, 2024 at 12:00 CET (UTC+1) • Industry Workshop No 5: - <i>as agreed at our last meeting</i> virtual, combined with Task Meeting No 7 on February, 6, 2024 at 13:00 CET (UTC+1), duration approx. 2 -3 hours • Meeting No.8: virtual start on June 11, 2024 at 8:00 CEST (UTC+2) start on June 11, 2024 at 13:00 CEST (UTC+2) Note: No Industry workshop will be held combined with this meeting • Meeting No.9: physical Final Task Meeting combined with a workshop will be held at EuroSun 2024 conference at Cyprus in September 2024 Note 1: For this a prolongation might be required. After the meeting already positive indications that this is possible have been received • Next Subtask Leader meeting: Nov 15, 2023 at 8:00 CST (WebEx Invitation already send out by HD) • Any Other Business None 	<p>See also Task66_M6_Orga_HD1.pdf</p>
14	12:30	<p>End of meeting</p>	

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Item	Start time	Topic/Content/Responsible	Related documents / comments / details
1	13:00	Welcome by Harald Drück , IGTE, University of Stuttgart, Germany Shokufeh Zamini , Austrian Institute of Technology, AIT, Austria	Task66_ws_annex83_Zamini1-Intro.pdf
2	13:10	Introducing Annex 83 and SYSPEQ project Shokufeh Zamini , Austrian Institute of Technology, AIT, Austria	Task66_ws_annex83_Zamini1.pdf
3	13:30	Austrian Certification of Climate-neutral Positive Energy Districts according to Zukunftsquartier Method Simon Schneider , University of Applied Sciences, Vienna, FHTW, Austria	Task66_ws_annex83_Schneider1.pdf
4	13:50	Campagne: Demonstration project towards PED Elisa Venturi , University Innsbruck, UIBK, Austria	Task66_ws_annex83_Venturi1.pdf
5	14:10	Cost-optimal analysis of EXCESS demos Clemens Mayer , Joanneum Research, LIFE, Austria	Task66_ws_annex83_Mayer1.pdf
6	14:30	Discussion	
7	14:45	Coffee Break	

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8	15:00	Presentation of IEA SHC Task 66 Harald Drück , IGTE, University of Stuttgart, Germany	
9	15:10	Solar Energy Communities in Aarhus , Denmark Elsabet Nielsen , Technical University of Denmark (DTU), Kgs. Lyngby, Denmark	Task66_WS_Annex83_Nielsen1.pdf
10	15:30	Efficient Synergy - The Neighborhood Energy System Based on Cold District Heating Lorenz Leppin , AEE Intec, Austria	Task66_WS_Annex83_Leppin1.pdf
11	15:50	Standard introduction for zero carbon buildings in China Wenbo Cai , China Academy of Building Research (CABR), Peking, China	Task66_WS_Annex83_Cai1.pdf
12	16:10	Discussion	
13	16:25	Closing remarks Shokufeh Zamini , Austrian Institute of Technology, AIT, Austria Harald Drück , IGTE, University of Stuttgart, Germany	
14	16:30	End	