

# Task 66 “Solar Energy Buildings”

## Meeting No 8 - Minutes

**Minutes Meeting No 8;**

**Draft Version 1.0; Date 13/06/24 HD+CH**

**Date/Time:**

June 11, 2024 (Tuesday):                      Start 8:00 CEST (UTC+2)

June 11, 2024 (Tuesday):                      End 13:00 CEST (UTC+2)

**Location:**

Web meeting

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

# Task 66 “Solar Energy Buildings”

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Agenda (Tuesday, June 11, 2024)			
Item	Start time	Topic/Content/Responsible	Related documents / comments / details
1	8:00	<b>Welcome by Harald Drück (IGTE)</b> Meeting organization, agenda, goals, practical meeting information	<a href="#">Task66_M8_Orga_HD1.pdf</a>
2	8:15	<b>Introduction by Harald Drück (IGTE)</b> <ul style="list-style-type: none"> <li>• General Presentation of Task 66 “Solar Energy Buildings”</li> <li>• Results of previous meetings (M1 to M7) and current status of activities</li> </ul>	<a href="#">Task Workplan (V3, Nov 23)</a> <a href="#">Minutes_M1</a> <a href="#">Minutes_M2</a> <a href="#">Minutes_M3</a> <a href="#">Minutes_M4</a> <a href="#">Minutes_M5</a> <a href="#">Minutes_M6</a> <a href="#">Minutes_M7</a>
3	8:30	<b>Introduction of Participants</b> <ul style="list-style-type: none"> <li>• Verbal introduction of participants (approx. 2 min per person)</li> </ul>	
4	8:45	<b>General Introduction to subtasks by Harald Drück (IGTE)</b> <ul style="list-style-type: none"> <li>• Introduction to Task 66 subtasks</li> </ul>	<a href="#">Task Workplan (V3, Nov 23)</a>

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5	9:00	<p><b>Subtask D: Current and future technologies and components</b> Michael Gumhalter, AEE – Institute for Sustainable Technologies, Austria</p> <p><b>Past Subtask Meetings</b> (between the 7<sup>th</sup> and 8<sup>th</sup> Meeting of Task 66)</p> <ul style="list-style-type: none"> <li>• March 4<sup>th</sup>, 2024</li> <li>• April 8<sup>th</sup>, 2024</li> <li>• May 3<sup>rd</sup>, 2024</li> <li>• May 21<sup>st</sup>, 2024</li> </ul> <p><b>Topics</b></p> <ul style="list-style-type: none"> <li>• News and status of the subtask</li> <li>• Presentation of Deliverable Status -Deliverable D3/Factsheets progress and status update</li> </ul> <p><b>Future work and Upcoming Deadlines:</b></p> <ul style="list-style-type: none"> <li>• Publication of Deliverable DD2</li> <li>• Finish Fact Sheet reviews until <b>June 14<sup>th</sup></b></li> <li>• Collect last Fact Sheets and first Draft of D3 until <b>July 18<sup>th</sup></b></li> <li>• Compose final deliverable D3 until <b>August 18<sup>th</sup></b></li> </ul> <p><b>Planned Subtask Meetings</b></p> <ul style="list-style-type: none"> <li>• First week of July – exact date will be determined by a survey</li> </ul>	<p><a href="#">Task66_M8_Gumhalter1.pdf</a></p> <p><a href="#">Task66_D.D2_FutureTech_draft1.pdf</a></p>
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6	9:15	<p><b>Subtask BC: New and existing buildings blocks / communities</b> 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><b>Past Subtask Meetings</b> (between the 7<sup>th</sup> and 8<sup>th</sup> Meeting of Task 66)</p> <ul style="list-style-type: none"> <li>• February 23, 2024</li> <li>• March 26, 2024</li> <li>• June 4, 2024</li> </ul> <p><b>Topic</b></p> <ul style="list-style-type: none"> <li>• Timetable and status of the subtask BC</li> <li>• Status on deliverable D.BC1 <b>Demonstration cases</b></li> <li>• Status on deliverable D.BC2 <b>Description of processes and tools currently used to design or convert existing building stock into new Solar Energy Building communities</b></li> <li>• Status on deliverable D.BC3 <b>Catalogue describing optimized solutions of SEB communities</b></li> <li>• Agreement on next steps</li> </ul> <p><b>Planned Subtask Meetings</b> July 30, 2024, 10-12 (UTC+2)</p>	<p><a href="#">Task66_M8_Nielsen1.pdf</a></p> <p><a href="#">Task66_D.BC1_DemoCasesv_draft2.pdf</a></p>
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7	9:30	<p><b>Subtask A: Boundary Conditions, KPIs, Definitions and Dissemination</b> Frank Späte, (OTH-AW, Germany)</p> <p><b>Past Subtask Meetings</b> (between the 7<sup>th</sup> and 8<sup>th</sup> Meeting of Task 66)</p> <ul style="list-style-type: none"> <li>• None, but communication with other Subtask A members via email</li> </ul> <p><b>Dissemination</b></p> <ul style="list-style-type: none"> <li>• Task brochure/Flyer</li> <li>• Task Video</li> <li>• Task Poster</li> <li>• Industry Workshop No., 1</li> <li>• Industry Workshop No., 2</li> <li>• Industry Workshop No., 3</li> <li>• Industry Workshop No., 4</li> <li>• Industry Workshop No., 5</li> <li>• Final Task Video under construction</li> </ul> <p>Recording took place at <b>June 10<sup>th</sup>, 2024 at Amberg (Germany)</b></p> <p>Dissemination activities are continuously ongoing</p> <p><b>KPIs (Key Performance Indicators)</b></p> <ul style="list-style-type: none"> <li>• Final list of KPIs - Deliverable D.A2 is finished, waiting for results of IEA-SHC-review</li> </ul> <p><b>Reference Building</b></p> <ul style="list-style-type: none"> <li>• Final definition of reference buildings / cases, Deliverable D.A4 is finished, waiting for results of IEA-SHC-review</li> </ul> <p><b>Future work</b></p> <ul style="list-style-type: none"> <li>• Frank Späte reports about the actual status of D.A6 and D.A7</li> <li>• D.A6 “SEB promotion document for investors” is almost finalized; some details were discussed. Decision at M7 (04/02/24) that prolongation until 30/04/2024 is needed.</li> <li>• D.A7 “Policy oriented guidelines for the promotion of SEB”, under construction (due date 30/06/2024)</li> </ul> <p><b>Planned Subtask Meetings</b></p> <ul style="list-style-type: none"> <li>• none</li> </ul>	<p><a href="#">Task66_Flyer1.1.pdf</a></p> <p><a href="#">Task66_Video1.mp4</a></p> <p><a href="#">Task66_Poster1.pdf</a></p> <p><a href="#">Task66_IndWs1</a></p> <p><a href="#">Task66_IndWs2</a></p> <p><a href="#">Task66_IndWs3</a></p> <p><a href="#">Task66_IndWs4</a></p> <p><a href="#">Task66_IndWs5</a></p> <p><a href="#">Task66_D.A2_Final list of KPIs_1.3_draft2.pdf</a></p> <p><a href="#">Task66_D.A4_Final def RefBui draft1Pam.docx</a></p> <p><a href="#">Task66_D.A4_Final def RefBui draft2.xlsx</a></p> <p><a href="#">Task66_D.A6_SEB_PromoDoc_draft1.pdf</a></p> <p><a href="#">Task66_D.A7_SEB_PolicyDoc_draft1.pdf</a></p>
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8	9:40	<b>Break</b>	
9	9:55	<p><b>Technology Position Paper (HD)</b></p> <p><b>General Mission</b> This position paper provides an overview of solar technologies for Solar Energy Buildings, outlining their importance, potential, and development. It addresses issues for policy and decision makers and other stakeholders and influencers and presents high-level information as a basis for the uptake and further development of Solar Energy Buildings. It concludes by highlighting existing challenges and the actions needed to best exploit.</p> <p><b>Table of Content</b></p> <ol style="list-style-type: none"> <li>1. Introduction and Relevance (max 2.000 Characters + graphs)</li> <li>2. Current Status (max 2.000 Characters + graphs)</li> <li>3. Potential (max 4.000 Characters + graphs)</li> <li>4. Actions Needed (One page max)</li> </ol> <p><b>Technology Position Papers from other Tasks</b> <a href="https://www.iea-shc.org/technology-position-papers">https://www.iea-shc.org/technology-position-papers</a></p> <p><b>Contributions from</b></p> <ul style="list-style-type: none"> <li>• Subtask Leaders (Frank Späte, Elsabet Nielsen, Michael Gumhalter)</li> <li>• Henner Kerskes</li> <li>• Zamil Narsing (Naked Energy)</li> <li>• Dominik Bestenlehner (Ritter XL)</li> </ul> <p>→ 1. Draft will send out by HD until July 15<sup>th</sup>. 2024</p>	<p><a href="#">Task66_M8_Orga_HD1.pdf</a></p>

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10	10:00	<p><b>Organisational aspects (HD)</b></p> <p><b>National participation letters (Status)</b> Received: Austria, Denmark, Slovakia, China, Germany, Portugal, Missing:-Australia Template: <a href="http://files.iea-shc.org/public/q8z/task66-participationletter-draft1hd.docx">http://files.iea-shc.org/public/q8z/task66-participationletter-draft1hd.docx</a></p> <p><b>Emailing – Mailing rules</b> 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><b>Subtask Meetings:</b> It was agreed that every Subtask Leader should invite in addition to his subtask team also the leaders of the other Subtask and the operating agent</p> <p><b>Task emailing list</b> It was agreed that no official email address for Task 66 is required. The Task 66 emailing list is managed by the task manager (HD) and the task administrator (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><b>Subtask emailing list</b> will be managed by the subtask leaders individually</p>	<p><a href="#">Task66_M8_Orga_HD1.pdf</a></p>
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11		<p><b>Organisational aspects - continued</b></p> <p><b>Cloud based document processing</b> will be managed by the subtask leaders individually</p> <p><b>Note:</b> For read (and download) only access, document can be made available <a href="http://www.iea-shc.org">www.iea-shc.org</a></p> <p>In case you would like to make documents available via this site, please send them to CH and/or HD</p> <p><b>Prolongation until Sept 30, 2024</b> Final Task66 meeting and workshop will be held in combination with the Eurosun 2024 conference which takes place from August 26<sup>th</sup> to 30<sup>th</sup>, 2024 at Limassol, Cyprus</p> <p>Further Info: <a href="https://www.eurosun2024.org/">https://www.eurosun2024.org/</a></p> <p><b>Follow-Up Task?</b></p> <p>Note: Many persons were interested in a follow-up task, but no one was willing to take the lead. Hence no follow-up task will be implemented</p>	<p><a href="#">Task66_M8_Orga_HD1.pdf</a></p>
12	10:05	<p><b>Nice “pictures”</b></p> <p>If you have some to share, please send them to Claudia Scholl-Haaf: <a href="mailto:claudia.haaf@igte.uni-stuttgart.de">claudia.haaf@igte.uni-stuttgart.de</a></p> <p>together with</p> <ul style="list-style-type: none"> <li>- the permission to use them (see link to “Task66A_Photography-Copyright-Release-Form”)</li> <li>- information what is shown (<i>e.g. solar multifamily house with PV and ST in Berlin, Germany</i>)</li> <li>- information how they should be referenced</li> </ul>	<p><a href="#">Task66A_Photography-Copyright-Release-Form.docx</a></p>



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13	10:10	<p><b>ISEC – International Sustainable Energy Conference</b> 09.-11.04.2024, Graz, Austria</p> <p>Which contributions were related to Task 66?</p> <ul style="list-style-type: none"> <li>• Uni Innsbruck, Elisa Venturi et. al. Techno-Economic Analysis of the Heating System Robustness</li> <li>• Uni Innsbruck, Fabian Ochs et. al. Towards positive energy districts</li> </ul>	<p><a href="https://www.aee-intec-events.at/isec2024.html">https://www.aee-intec-events.at/isec2024.html</a></p>
14	10:15	<p><b>Eurosun 2024 Conference</b> August 26<sup>th</sup> to 30<sup>th</sup>, 2024 at Limassol, Cyprus</p> <p>Which abstracts are handed in related to Task 66</p> <ul style="list-style-type: none"> <li>• Energy Concepts With High Solar Fraction For Multi-Family Houses Franziska Bockelmann, Steinbeis-Innovationszentrum energieplus, Braunschweig, Germany</li> <li>• Development of a new generation of cold district heating systems with water as heat transfer medium, Peer Huber et. al. IGTE University of Stuttgart</li> <li>• Evaluation of the effect of thermal characterisation of PVT panels on PVT heat pump system performance Elsbet Nielsen et. al. DTU, Denmark</li> <li>• Optimization and testing of an air-based solar heating system for residential building, Henner Kerskes et. al. IGTE University of Stuttgart</li> <li>• Development and verification of a thermochemical heat storage system in a district heating network, Henner Kerskes et. al. IGTE University of Stuttgart</li> <li>• Providing flexibility for district heating grids with with thermally activated building structures in residential buildings, Michael Gumhalter et. al., AEE INTEC, Austria</li> <li>• Characteristic load curves for positive energy districts, Fabian Ochs et. al., Uni Innsbruck, Austria</li> <li>• Evaluation of positive energy districts with district heating and heat pumps, Elisa Venturi et. al., Uni Innsbruck, Austria</li> </ul>	<p><a href="https://www.eurosun2024.org/">https://www.eurosun2024.org/</a></p>

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15	10:20	<p><b>Summary and next steps (HD)</b></p> <ul style="list-style-type: none"> <li>• <b>Meeting No.9</b> (Final Task Meeting); physical Monday, August 26, 2024 from 13:00 to 16:00 hrs EEST at Limassol, Cyprus</li> <li>• <b>Task 66 – Presentation of final results</b> Title: Solar Energy Buildings – Results of IEA SHC Task 66 Tuesday, 27 August, 11-12.30 EEST at Limassol, Cyprus</li> </ul> <p><b>Note:</b> Both events will be in connection with the EuroSun 2024 conference August 26<sup>th</sup> to 30<sup>th</sup>, 2024 at Limassol, Cyprus The Task 66 event on Tuesday will be part of the regular conference programme</p> <ul style="list-style-type: none"> <li>• <b>Next Subtask Leader meeting:</b> July 1<sup>st</sup>, 2024 at 10:00 CEST (WebEx Invitation already send out by HD)</li> <li>• <b>SHC ExCo Meeting – Presentation of results of Task 66</b> Nov 5 -8, 2024 Berlin, Germany Presentation of Task 66 results Date: Nov 5, 2024 (tbc) Duration: 2 hrs Who would like to contribute: - Dominik Bestenlehner – tbd - Bernd Hafner (confirmed) - Franziska Bockelmann (confirmed)</li> <li>• <b>Any Other Business</b> None</li> </ul>	<p><a href="#">Task66_M8_Orga_HD1.pdf</a></p>
16	10:30	<p><b>End of eeting</b></p>	

# Task 66 “Solar Energy Buildings”

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### Contacts:

#### Task Manager - Contact persons for questions regarding the content:

Dr. Harald Drück

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#### Task Administrator - Contact person for organizational questions:

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### Subtask Leaders:

#### Contact person for subtask A:

Prof. Frank Späte

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#### Contact person for subtask D:

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#### Contact persons for subtask BC

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# Task 66 “Solar Energy Buildings”

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### List of participants

No	Prename	Surname	Institution	Country
1.	Franziska	Bockelmann	Steinbeis-Innovationszentrum energie+	Germany
2.	Harald	Drück	IGTE, University of Stuttgart	Germany
3.	Jorge	Facao	LNEG	Portugal
4.	Gerhard	Mengedoht	Technische Hochschule Ulm (THU)	Germany
5.	Michael	Gumhalter	AEE - Institut für Nachhaltige Technologien	Austria
6.	Peer	Huber	IGTE, University of Stuttgart	Germany
7.	Henner	Kerskes	IGTE, University of Stuttgart	Germany
8.	Elsabet	Nomonde Nielsen	DTU Civil Engineering	Denmark
9.	Gloria	Streib	ZAE Energieforschung	Germany
10.	Rajesh	Malik	Polytechnic University of Tirana - Albania	Albania
11.	Claudia	Scholl-Haaf	IGTE, University of Stuttgart	Germany
12.	Frank	Späte	Ostbayrische Technische Hochschule OTH	Germany
13.	Elisa	Venturi	University of Innsbruck	Austria
14.	Zanil	Narsing	Naked Energy	Great Britain