

# Task 66 “Solar Energy Buildings”

## Meeting No 3 - Minutes

### Minutes Meeting No 3;

**Draft Version No 1; Date 28/03/22 HD+CH**

#### Date/Time:

March 23, 2022 (Wednesday): Start 13:00 CET (UTC +1) Industry Workshop No 1 (see separate [agenda](#))  
 Note: The Industry Workshop was attended by 56 participants from 15 different counties  
 The presentations are available [here](#)

March 23, 2022 (Wednesday): Start 15:30 CET (UTC +1) Task Meeting (day 1)

March 24, 2022 (Thursday) Start 12:00 CET (UTC +1) Task Meeting (day 2)

#### Location:

Web meeting

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

#### Web Conference Login:

To join the meeting click on the following link:

<https://unistuttgart.webex.com/unistuttgart/j.php?MTID=m3bd15443b29c862460752bc27d38dfb2>

*Note: For participation by phone see access information at the end of this document*

#### Registration:

Please confirm your participation in the task meeting by email at **latest until March 21, 2022** to:

[claudia.haaf@igte.uni-stuttgart.de](mailto:claudia.haaf@igte.uni-stuttgart.de)

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Agenda day 1 (Wednesday, March 23, 2022)			
Item	Start time	Topic/Content/Responsible	Related documents / comments / details
1	15:30	<b>Welcome by Harald Drück (IGTE)</b> Meeting organization, agenda, goals	<a href="#">Task66_M3_Orga_HD1.pdf</a>
2	15:45	<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 and M2) and current status of activities</li> </ul>	<a href="#">Task Workplan (V2, Dec 20)</a> <a href="#">Minutes_M1</a> <a href="#">Minutes_M2</a>
3	16:00	<b>Introduction of Participants</b> <ul style="list-style-type: none"> <li>• Verbal introduction of participants (approx. 2 min per person)</li> </ul>	
4	16:30	<b>Break</b>	
5	16:45	<b>General Introduction to subtasks by Harald Drück (IGTE)</b>	

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6	17:05	<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 2<sup>nd</sup> and 3<sup>rd</sup> Meeting of Task 66)</p> <ul style="list-style-type: none"> <li>17.01.22; 14.02.22; 15.03.22</li> </ul> <p><b>Dissemination</b></p> <ul style="list-style-type: none"> <li>Task brochure/Flyer</li> <li>Task Video</li> <li>Industry Workshop No., 1</li> </ul> <p><b>KPIs (Key Performance Indicators)</b></p> <ul style="list-style-type: none"> <li>KPI-List (latest version)</li> <li>Nomenclature</li> </ul> <p><b>Reference Building</b></p> <ul style="list-style-type: none"> <li>Presentation by Dominik Bestenlehner and Markus Peter</li> <li>Definition of reference buildings → <b>Comments to Frank Späte until April, 7, 2022</b></li> <li>Methodology for evaluation is still under elaboration. Will be presented at the next Task meetings.</li> </ul> <p><b>Template for Deliverables</b> Elaborated by Claudia Scholl-Haaf and Frank Späte until April 15, 2022 HD will ask Pamela Murphy for a template (done 23/03/22, received 23/03/22) Template will now be adapted for Task66</p> <p><b>Planned Subtask Meetings</b></p> <ul style="list-style-type: none"> <li>April 12, 2022 (virtual)</li> </ul>	<p><a href="#">Task66A_M3_Spaete1.pdf</a></p> <p><a href="#">Task66_Flyer1.pdf</a></p> <p><a href="#">Task66_Video</a></p> <p><a href="#">Task66_IndWs1_AG1.pdf</a></p> <p><a href="#">Task66A_M3_KPI-list1.pdf</a></p> <p><a href="#">Task66A_M3_Nomenclature1.pdf</a></p> <p><a href="#">Task66A_M3_Def_Bui1.pdf</a></p> <p><a href="#">Task66A_M3_Def_Bui_Praes1.pdf</a></p> <p><a href="#">Task66A_M3_Eval_Bui1.pdf</a></p>
7	18:00	<p><b>End of “formal part of day 1”</b> <i>virtual get together</i></p>	

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Agenda day 2 (Thursday Mach 24, 2022)			
Item	Start time	Topic/Content/Responsible	Related documents / comments / details
8	12:00	<b>Intro to day 2 by Harald Drück (IGTE)</b>	
9	12:05	<p><b>Subtask B: New and existing single buildings</b> Xinyu Zhang from the China Academy of Building Research, Beijing, China</p> <p><b>Past Subtask Meetings</b> (between the 2<sup>nd</sup> and 3<sup>rd</sup> Meeting of Task 66)</p> <ul style="list-style-type: none"> <li>• none</li> </ul> <p><b>Topics</b></p> <ul style="list-style-type: none"> <li>• Presentation and status of the subtask.</li> <li>• Introduction of the development of Solar Energy Buildings in China.</li> <li>• Demonstration cases presented by Participants.</li> </ul> <p><b>Presentation by Joel Goodman</b></p> <ul style="list-style-type: none"> <li>• Available via link on the right</li> </ul> <p><b>Planned Subtask Meetings</b></p> <ul style="list-style-type: none"> <li>• April 14, 2022, 12:00 CEST (UTC +2), (virtual) Invitation and agenda will be send out by Xinyu Zhang</li> </ul>	<p><a href="#">Task66B_M3_Zhang1.pdf</a></p> <p><a href="#">Task66B_M3_Goodman1.pdf</a></p>

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10	12:45	<p><b>Subtask C: New and existing buildings blocks / communities</b> Elsabet Nielsen, Department of Civil Engineering, Technical University of Denmark</p> <p><b>Past Subtask Meetings</b> (between the 2<sup>nd</sup> and 3<sup>rd</sup> Meeting of Task 66)</p> <ul style="list-style-type: none"> <li>• October 8, 2021, 8:00 to 10:00 CET (virtual)</li> <li>• January 14, 2022, 8:00 to 10:00 CET (virtual)</li> <li>• March 8, 2022, 11:00 to 13:00 CET (virtual)</li> </ul> <p><b>Topic</b></p> <ul style="list-style-type: none"> <li>• Subtask activities</li> <li>• Demonstration cases database</li> <li>• Guideline for monitoring and reporting Presentation by Stefanie Lott, <i>see link on the right</i></li> <li>• Processes and tools used for design and modelling SEB</li> <li>• Comparison of simulation tools – conclusions from invited lecture by José-Miguel Cardemil, leader of subtask C, IEA Task 64 Solar process heat</li> <li>• Agreement on next steps <ul style="list-style-type: none"> <li>- Stakeholder view points <ul style="list-style-type: none"> <li>- List of stakeholders, before next Meeting on April 4, 2022</li> <li>- Viewpoints from each stakeholder (next steps)</li> </ul> </li> <li>- Layout for deliverable C1 <ul style="list-style-type: none"> <li>- DTW works out a template for you comments, before meeting in May 2022</li> </ul> </li> </ul> </li> </ul> <p><b>Planned Subtask Meetings</b></p> <ul style="list-style-type: none"> <li>• April 4, 2022, 8:00 to 10:00 CET (virtual)</li> <li>• May 16, 2022, 9:00 to 11:00 CET (virtual)</li> <li>• June 10, 2022, 8:00 to 10:00 CET (virtual)</li> </ul>	<p><a href="#">Task66C_M3_Nielsen1.pdf</a></p> <p><a href="#">Task66C_M3_Lott1.pdf</a></p>
11	13:25	<b>Break</b>	

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12	13:45	<p><b>Subtask D: Current and future technologies and components</b> Thomas Ramschak, AEE – Institute for Sustainable Technologies, Austria</p> <p><b>Past Subtask Meetings</b> (between the 2<sup>nd</sup> and 3<sup>rd</sup> Meeting of Task 66)</p> <ul style="list-style-type: none"> <li>• 24. Feb, 2022, 16:00 to 16:45 CET (virtual)</li> <li>• 16. March, 2022, 13:00-14:00 (virtual)</li> <li>• <i>Presentation and status of the subtask</i></li> <li>• <i>Documentation of Current and future technologies (DemoCases)</i></li> <li>• <i>Technology Radar</i></li> <li>• <i>agreement on next steps</i></li> </ul> <p><b>ToDo’s</b></p> <p><b>SubtaskD emailing list</b></p> <ul style="list-style-type: none"> <li>• <i>interested participants of Task66D should add their contact details in the email list on the data Exchange platform of Subtask D (see link on the right)</i></li> </ul> <p><b>DemoCases</b></p> <ul style="list-style-type: none"> <li>• Every participant/institution should hand in one or more Democase descriptions</li> <li>• This exercise should be finalized until the end of May 2022</li> </ul> <p><b>Initiatives &amp; projects</b></p> <ul style="list-style-type: none"> <li>• A stocktaking exercise of initiatives or projects is carried out in Subtask D, to analyse which technologies are implemented in SEB. Inputs (project links, reports, etc.) to initiatives and projects are most welcome. Use the link to the spreadsheet on the right.</li> <li>• This exercise (collection of sources) should be finalized until the end of May 2022</li> </ul> <p><b>Planned Subtask Meetings</b></p> <ul style="list-style-type: none"> <li>• Fill in the Doodle for April Meeting (link on the right)</li> </ul>	<p><a href="#">Task66D_M3_Ramschak.pdf</a></p> <p><a href="#">SubtaskD-emailing list</a></p> <p><a href="#">SubtaskD-Democase description</a></p> <p><a href="#">SubtaskD-Initiatives &amp; Projects</a></p> <p><a href="#">SubtaskD-April Meeting Doodle</a></p>
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13	14:25	<p><b>Organisational aspects (HD)</b></p> <p><b>National participation letters (Status)</b>  Received: Austria, Denmark, Slovakia, China, Portugal,  Missing:-Germany (under preparation), Australia, United Kingdom  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>Please use same nomenclature for filenames!</b></p> <p><b>Subtask Meetings:</b>  It was agreed that every Subtaks Leader should invite in addition to his subtak 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 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><b>Subtask emailing list</b>  will be managed by the subtask leaders individually</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>  In case you would like to make documents available via this site, please send them to CH and/or HD</p>	
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		<p><b>Task brochure / flyer</b> Available: See subtask A Public access will be made available via “Task 66 website”</p> <p><b>Task video</b> Available: See subtask A Public access available via “IEA SHC You Tube channel”</p> <p><b>Promotion via LinkedIn</b> Options will be investigated by CH and HD</p>	<p><a href="#">Task66_Flyer1.pdf</a></p> <p><a href="#">Task66_Video</a></p>
14	15:30	<p><b>Eurosun 2022 – Contributions</b> Conference will take place from Sept. 22 - 29, 2022 in Kassel Germany See: <a href="https://www.eurosun2022.org/">https://www.eurosun2022.org/</a></p> <ul style="list-style-type: none"> <li>• Deadline for Abstracts: April 15, 2022</li> </ul> <p><b>Potential contributions from Task 66:</b></p> <ul style="list-style-type: none"> <li>➤ Simulation results of Solar Energy Buildings (Sol4City Project), Stefanie Lott, IGTE, University of Stuttgart, Germany</li> <li>➤ Modell-predictive control strategies for Solar Energy Buildings (Sol4City Project), Jens Ulmann, IGTE, University of Stuttgart, Germany</li> <li>➤ Technologies for Solar Energy Buildings (Sol4City Project) Thomas Ramschak, AEE INTEC, Gleisdorf, Austria</li> <li>➤ Simulations on SEB, Elsbet Nielsen, DTU</li> </ul>	



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15	16:00	<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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16	16:30	<p><b>Summary and next steps (HD)</b></p> <ul style="list-style-type: none"> <li>• <b>Next Meetings and Industry Workshops</b> when and where? virtual or in presence? combined with conference on “Green Buildings”? – date tbd combined with Solar Decathlon Europe, June 10 – 26, 2022, Wuppertal, Germany combined with EuroSun 2022, September 22 – 29, 2022, Kassel, Germany</li> </ul> <p><b>Finally decided</b></p> <p><b>Meeting No.4:</b> physical in Kassel, Germany Thursday <b>Sept, 29, 2022</b> from 9:00-12:00 – Part 1 Friday, <b>Sept 30, 2022</b> from 9:00-12:00 – Part 2 <i>Combined with EuroSun 2022, Sept. 25 - 29, 2022, Kassel Germany</i></p> <p><b>Industry Workshop No 2:</b> physical in Kassel, Germany Thursday <b>Sept 29, 2022</b>, from 14:00 to 17:00</p> <p><b>Meeting No.5:</b> virtual <b>February 6 and 7, 2023</b> start on Feb 6 at 12:00 CET (UTC+1) – <i>with Sub B first</i> start on Feb 7 at 15:30 CET (UTC+1) – after industry workshop</p> <p><b>Industry Workshop No 3:</b> virtual combined with Task Meeting No 5 <b>Feb 7, 2023</b> at 13:00 CET (UTC+1), duration 2 hours</p> <p><b>Any Other Business – None</b></p>	
17	17:00	<b>End of meeting</b>	

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### Contacts:

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

Dr. Harald Drück

Phone: +49 (0)711-685-63553

Email: [harald.drueck@igte.uni-stuttgart.de](mailto:harald.drueck@igte.uni-stuttgart.de)

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

Claudia Scholl-Haaf

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### Subtaks Leaders:

#### Contact person for subtask A:

Prof. Frank Späte

Phone: +49 (0)9621-482-3340

Email: [f.spaete@oth-aw.de](mailto:f.spaete@oth-aw.de)

#### Contact person for subtask C:

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Phone: +45 45 25 19 01

Email : [ean@byg.dtu.dk](mailto:ean@byg.dtu.dk)

#### Contact person for subtask B

Dr. Xinyu Zhang

Phone: +8610-64693498

Email: [zxyhit@163.com](mailto:zxyhit@163.com)

#### Contact person for subtask D:

Thomas Ramschak

Phone: +43 (0)3112 5886-225

Email: [t.ramschak@aee.at](mailto:t.ramschak@aee.at)

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### List of participants

NO	NAME	INSTITUTION	COUNTRY
1	Frank Spaete	Ostbayrische Technische Hochschule OTH	Germany
2	Elsabet Nomonde Nielsen	DTU Civil Engineering	Denmark
3	Thomas Ramschak	AEE - Institut für Nachhaltige Technologien	Austria
4	Fabian Ochs	University of Innsbruck	Austria
5	Tillmann Gauer	Technische Universität Kaiserslautern	Germany
6	Franziska Bockelmann	Steinbeis-Innovationszentrum energie+	Germany
7	Harald Drucek	IGTE, University of Stuttgart	Germany
8	Claudia Scholl-Haaf	IGTE, University of Stuttgart	Germany
9	Carlos Espino	Centro de Investigación en Materiales Avanzados, S.C ,PHD	Mexico
10	Simon Furbo	DTU Civil Engineering	Denmark
11	Jorge Facao	LNEG	Portugal
12	Naghelli Ortega Avila	Centro de Investigación en Materiales Avanzados, S.C.	Mexico
13	Norma Rodríguez Muñoz	Centro de Investigación en Materiales Avanzados, S.C.	Mexico
14	Lukas Oppelt	TU Bergakademie Freiberg	Germany
15	Roman Rabenseifer	Slovak University of Technology in Bratislava	Slovakia
16	Joel H. Goodman	University of Minnesota (former)	USA
17	Bernd Hafner	Viessmann Deutschland GmbH	Germany
18	Markus Peter	dp <sup>2</sup> / siz energieplus	Germany
19	Henner Kerskes	IGTE, University of Stuttgart	Germany
20	Dominik Bestenlehner	IGTE, University of Stuttgart	Germany
21	Stefanie Lott	IGTE, University of Stuttgart	Germany
22	Matthias Haase	ZHAW Zürcher Hochschule für Angewandte Wissenschaften	Switzerland
23	Achim Geissler	Architekt	Switzerland
24	Matthias Schmidt	Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR)	Germany
25	Gerhard Mengedoht	Technische Hochschule Ulm (THU)	Germany

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26	Xinyu Zhang	China Academy of Building Research, Beijing, China	China
27	Pamely Murphy	IEA SHC	USA
28	Wenbo Cai	China Academy of Building Research, Beijing, China	China
29	Elisa Venturi	University of Innsbruck	Austria