

Task 66 “Solar Energy Buildings”

Meeting No 2 - Minutes

Minutes Meeting No 2; Version No 1; Date 12/11/21 HD+CH
Date/Time: Nov 4, 2021 (Thursday): Start 12:00 CET (UTC +1) Nov 5, 2021 (Friday): Start 12:00 CET (UTC +1)
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=mec684bfb4022a582e31d11fe134ba55a <i>Note: For participation by phone see access information at the end of this document</i>
Registration: Please confirm your participation by email at latest until Nov 3, 2021 to: claudia.haaf@igte.uni-stuttgart.de

Task 66 “Solar Energy Buildings”

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Agenda day 1 (Thursday, Nov 4, 2021)			
Item	Start time	Topic/Content/Responsible	Related documents / comments / details
1	12:00	<p>Welcome by Harald Drück (IGTE)</p> <p>Meeting organization, agenda, goals</p>	<p>Task66_M2_Orga_HD1.pdf</p>
2	12:15	<p>Introduction by Harald Drück (IGTE)</p> <ul style="list-style-type: none"> • General Presentation of Task 66 “Solar Energy Buildings” • Results of 1. Meeting (Kick-off meeting) and current status of activities 	<p>Task Workplan (V2, Dec 20) Task Prep Workshop, Mach 21</p>
3	12:30	<p>Introduction of Participants</p> <p>Power-Point based personal introduction (approx. 5 min per person)</p> <ul style="list-style-type: none"> • Harald Drück, IGTE University of Stuttgart, Germany • Altin Maraj, Polytechnic University of Tirana, Albania • Elsabet Nomonde Nielsen/Simon Furbo, Technical University of Denmark, Denmark • Franziska Bockelmann (siz energieplus, Germany) together with Markus Peter (siz energieplus /dp-quadrat, Germany) • Rainer Büsser, EVERA, Germany • Jorge Facão, LNEG, Portugal • Fabian Ochs, University of Innsbruck, Austria • Stephanie Lott, IGTE, University of Stuttgart, Germany • Claudia Scholl-Haaf, IGTE University of Stuttgart, Germany 	<p>Task66_M2_IntroHD.pdf Task66_M2_IntroMaraj.pdf Task66_M2_IntroNielsenFurbo.pdf Task66_M2_IntroBockelmannPeter.pdf</p> <p>Task66_M2_IntroBuesser.pdf Task66_M2_IntroFacao.pdf Task66_M2_IntroOchs.pdf Task66_M2_IntroLott.pdf Task66_M2_IntroSchollHaaf.pdf</p>

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		<p>Introduction of Participants - continued</p> <ul style="list-style-type: none"> • Paul Kastner, Institut für Solarenergieforschung GmbH, Germany • Matthew Xenakis, Naked Energy, UK • Thomas Ramschak, AEE - Institut für Nachhaltige Technologien, Austria • Xinyu Zhang, China Academy of Building Research, China • Arun Kumar / Jacob T Verghese, STEAG Energy Services Pvt. Ltd, India • Frank Späte, East Bavarian University of Applied Science, OTH Amberg-Weiden, Germany • Rohit Ranjan, Himalayan Institute of Alternatives, Ladakh (HIAL), Phyang, India • Gerhard Mengedoht, Technische Hochschule Ulm (THU), Germany <p>Short verbal introduction of all remaining participants (approx. 1- 2 min per person)</p>	<p>Task66_M2_IntroKastner.pdf</p> <p>Task66_M2_IntroXenakis.pdf</p> <p>Task66_M2_IntroRamschak.pdf</p> <p>Task66_M2_IntroZhang.pdf</p> <p>Task66_M2_IntroKumarVerghese.pdf</p> <p>Task66_M2_IntroSpaete.pdf</p> <p>Task66_M2_IntroRanjan.pdf</p> <p>Task66_M2_IntroMengedoht.pdf</p>
4	14:00	Break	
5	14:30	General Introduction to subtasks by Harald Drück (IGTE)	

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6	14:45	<p>Subtask A: Boundary Conditions, KPIs, Definitions and Dissemination Frank Späte, (OTH-AW, Germany)</p> <p>Subtask Meetings (between the 1st and 2nd Meeting of Task 66)</p> <ul style="list-style-type: none"> • Subtask A conducted 3 virtual meetings so far: 29.7. / 24.9. and 26.10.2021 plus several meetings in sub-working-groups on specific topics • At the time being Subtask A is working on the creation of a KPI list and a definition of reference building(s). • The actual status was presented; see links to pdf-file in the column on the right. <p>Topic</p> <ul style="list-style-type: none"> • Introduction and sub-task structure The structure, objectives, activities and deliverables of Subtask A were presented, see link to pdf-file in the column on the right. → Further participants are welcome particularly from non-german-speaking countries. • KPIs (Key Performance Indicators) → Draft version of a list of KPIs is available on the website (password protected part) for commenting by the end of Nov 2021; see links to pdf-file in the column on the right → Basic questions are mentioned in the presentation (pdf-file “Task66A_Def_Eval_Bui_Pres1.pdf” in the column on the right). Inputs or hints or valuable aspects helping to answer these questions or to bring the discussion forwards are welcome. • Definition of reference/example buildings and methodology for evaluation of buildings by Markus Peter, siz energieplus / dp-quadrat, Germany and Dominik Bestenlehner, IGTE Uni Stuttgart → Draft version is available on the website (password protected part) for commenting by the end of Nov 2021; see link to files Task66A_Def_Bui_draft1.pdf and Task66A_Eval_Bui1_draft1.pdf on the right • Dissemination Task brochure / flyer - Concept under preparation 	<p>Task66A M2 Spaete2.pdf</p> <p>Task66A M2 KPI-list.pdf</p> <p>Task66A Def Eval Bui Pres1.pdf</p> <p>Task66A Def Bui draft1.pdf</p> <p>Task66A Eval Bui1 draft1.pdf</p>
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		<p>Video - duration approx. 5 min. 1 min for OA and 4 x 1 min per Subtask Leader</p> <p>Industry Workshop - Up to now not performed as there was the hope to do it physical. However, as this is now not an realistic option, an virtual workshop will be organized together with the next task meeting</p> <ul style="list-style-type: none"> • agreement on next steps → see actions mentioned above 	
7	15:30	Break	
8	15:45	<p>Subtask B: Thermal stand alone single buildings and building blocks Xinyu Zhang from the China Academy of Building Research, Beijing, China</p> <ul style="list-style-type: none"> • Presentation of the subtask • Demonstration cases • Planning and implementation methodology • Modelling, simulation and optimization tools <p>Note: If you are interested in joining Subtask B, please contact Xinyu Zhang, Email: zxyhit@163.com Participants are very welcome</p> <ul style="list-style-type: none"> • Agreement on next steps Next Subtask Meeting will be organized by Xinyu Zhang during the coming weeks 	Task66B_M2_Zhang1.pdf
	16:15	<p>BITNR ETFE conceptual building <i>Joel H. Goodman, master degree of Architecture, MIT; former assistant professor of architecture, UMN</i></p>	Task66B_M2_Goodman.pdf
	16:30	Discussion	

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9	16:45	<p>Task Logo Claudia Scholl-Haaf, IGTE University of Stuttgart, Germany proposals are highly appreciated!</p>	<p>Presentation “Logo”</p>
10	17:10	<p>End of “formal part of day 1” <i>virtual get together</i></p>	

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Agenda day 2 (Friday, Nov 5, 2021)			
Item	Start time	Topic/Content/Responsible	Related documents / comments / details
11	12:00	Intro to day 2 by Harald Drück (IGTE)	
12	12:05	Keynote related to SolarEnergyBuidlings Marcel Krebs, Jenni Energietechnik AG, Switzerland	Task66_M2_JenniAG-Krebs
13	13:00	<p>Subtask C: New and existing buildings blocks / communities Elsabet Nielsen, Department of Civil Engineering, Technical University of Denmark</p> <p>Past Subtask Meetings (between the 1st and 2nd Meeting of Task 66)</p> <ul style="list-style-type: none"> October 8, 2021, 8:00 to 10:00 CET (virtual) <p>Topic</p> <ul style="list-style-type: none"> Presentation and status of the subtask Demonstration cases presented by Yongqian Luo (HUST), Stefanie Lott (IGTE) and Gerhard Menedoht (THU) Agreement on next steps <p>Planned Subtask Meetings</p> <ul style="list-style-type: none"> January 14, 2022, 8:00 to 10:00 CET (virtual) April 4, 2022, 8:00 to 10:00 CET (virtual) June 10, 2022, 8:00 to 10:00 CET (virtual) <p>Note: Doodles will be sent out to arrange more frequent meetings</p>	<p>Task66C_M2_Nielsen.pdf</p> <p>Task66C_M2_Yongqian.pdf</p> <p>Task66C_M2_Lott.pdf</p> <p>Task66C_M2_Menedoht.pdf</p>
14	13:45	Break	

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15	14:00	<p>Subtask D: Current and future technologies and components Thomas Ramschak, AEE – Institute for Sustainable Technologies, Austria</p> <ul style="list-style-type: none"> • Introduction and sub-task structure • <i>Current and future technologies</i> • <i>Comparison of technologies</i> • <i>SEB solution sets</i> • agreement on next steps <p>Planned Subtask Meetings</p> <ul style="list-style-type: none"> • Coordination Meeting with OA and SL on Demo Case collection: 23/11/21 (OA: Operating Agent; SL: Subtask Leaders) • Discussion Status Quo – Democase collection: in January 2022 (exact date tbd) 	<p>Presentation Subtask D</p> <p>Demo case description</p>
16	14:45	<p>Break</p>	
17	15:00	<p>Task Logo – Final decision Claudia Scholl-Haaf, IGTE University of Stuttgart, Germany</p> <p>The following logo has been selected based on a voting procedure:</p> <div data-bbox="907 1090 1086 1225" data-label="Image"> </div> <p>For the use on documents etc. the Task 66 Logo can be downloaded as in the jpg-Format by the link on the right</p>	<p>Presentation “Logo”</p> <p>Task66_M2_Logo-Result.pdf</p> <p>Task66_Logo1.jpg</p>

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18	15:20	<p>Organisational aspects (HD)</p> <p>National participation letters (Status) Received: Austria, Denmark, Slovakia, China Missing:-Germany, Australia, Portugal, United Kingdom 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 Subtaks Leader should invite in addition to his subtak 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> <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>Task66_M2_Orga_HD1.pdf</p>
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		<p>Task brochure / flyer under preparation by subtask A</p> <p>Task video duration approx. 5 min. 1 min for OA and 4 x 1 min per Subtask Leader will be prepared by subtask A</p> <p>“Nice pictures” 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 - information what is shown (e.g. <i>solar multifamily house with PV and ST in Berlin, Germany</i>) - information how they should be referenced 	
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19	15:45	<p>Summary and next steps (HD)</p> <ul style="list-style-type: none"> • Next Meetings and Industry Workshops 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 <p>Meeting No. 3: virtual, 23.+24, March, 2022 starting March 23, at 12:30 CET with Industry Workshop, Task meeting starts 15:00 hrs March 24, at 12:00 CET</p> <p>Industry Workshop No 1: virtual, March 23, 2022 from 12:30 to 15:00, CET Note: afterwards Task 66 “core” Meeting starts</p> <p>Meeting No.4: physical, Friday, Sept 30, 2022 in Kassel, Germany Combined with EuroSun 2022, Sept. 22 - 29, 2022, Kassel Germany</p> <p>Industry Workshop No 2: physical, Thursday Sept 29, 2022, Kassel, Germany (tbc) Note: To be checked by HD with EuroSun organizers if possible → Done with positive result</p> <p>To be decided</p> <p>Meeting No.5: Proposal: virtual or physical by the end of Jan/ beginning of Feb 2023</p> <ul style="list-style-type: none"> • Any Other Business -> None 	<p>Task66_M2_Orga_HD1.pdf</p>
20	16:15	<p>End of meeting</p>	

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Contacts:

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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	Rebecca Yang	RMIT University Melbourne	Australia
10	Altin Maraj	Polytechnic University of Tirana	Albania
11	Simon Furbo	DTU Civil Engineering	Denmark
12	Jorge Facao	LNEG	Portugal
13	Naghelli Ortega Avila	Centro de Investigación en Materiales Avanzados, S.C.	Mexico
14	Norma Rodríguez Muñoz	Centro de Investigación en Materiales Avanzados, S.C.	Mexico
15	Lukas Oppelt	TU Bergakademie Freiberg	Germany
16	Roman Rabenseifer	Slovak University of Technology in Bratislava	Slovakia
17	Joel H. Goodman	University of Minnesota (former)	USA
18	Luis Coelho	Instituto Politécnico de Setúbal	Portugal
19	Tao Ma	School of Mechanical Engineering Shanghai Jiao Tong University	China
20	Rainer Buesser	eVERA GmbH	Germany
21	Dominik Bestenlehner	IGTE, University of Stuttgart	Germany
22	Stefanie Lott	IGTE, University of Stuttgart	Germany
23	Pedro Dias	ESTIF	Belgium
24	Marcel Krebs	Jenni Energietechnik	Switzerland

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25	Matthew Xenakis	Naked Energy	United Kingdom
26	Gerhard Mengedoht	Technische Hochschule Ulm (THU)	Germany
27	Sašo Medved	Univerza v Ljubljani	Slovenia
28	Paul Kastner	Institut für Solarenergieforschung GmbH, Emmerthal	Germany
29	Xinyu Zhang	China Academy of Building Research, Beijing, China	China
30	Boyuan Wang	Research Fellow, China Academy of Building Research, Beijing, China	China
31	Arun Kumar	STEAG Energy Services (India) Pvt. Ltd.	India
32	Rohit Ranjan	Himalayan Institute of Alternatives, Ladakh, India	India
33	Zhiyong Tian	Huazhong University of Science and Technology	China
34	Wenbo Cai	China Academy of Building Research, Beijing, China	China
35	Elisa Venturi	University of Innsbruck	Austria
36	Glen Ryan	Sunovate Co Funder	Australia
37	Yongqiang Luo	Huazhong University of Science and Technology	China