

Task 66 “Solar Energy Buildings”

Meeting No 1 - Minutes

Minutes Meeting No 1 (Kick-off meeting); Version No 1; Date 20/10/21 HD

Date/Time:

July 1, 2021 (Thursday): Start 13:00 CEST (UTC +2)

July 2, 2021 (Friday): Start 13:00 CEST (UTC +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=m7d2985df84ba3e03d61edb16e0d79c3f>

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

Registration:

Please confirm your participation by email at **latest until June 29, 2021** to:

claudia.haaf@igte.uni-stuttgart.de

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Agenda day 1 (Thursday, July 1, 2021)			
Item	Start time	Topic/Content/Responsible	Related documents / comments / details
1	13:00	Welcome and short introduction by Harald Drück (IGTE) Meeting organization, agenda, goals	Task66_M1_Orga_HD1
2	13:15	Introduction of Participants Short verbal presentation (approx. 1- 2 min per participant)	
3	14:00	Welcome and short introduction by Harald Drück (IGTE) <ul style="list-style-type: none"> • General Presentation of Task 66 “Solar Energy Buildings” • Results of Task Preparation Workshop on Mach 30, 2021 • Preparation of a COST – proposal? 	Task Workplan (V2, Dec 20) Task Prep Workshop, Mach 21 COST Action, Mach 21
4	14:30	Break	

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5	15:00 to 18:00	<p>Presentation of related and planned work</p> <ul style="list-style-type: none"> 15:00 – 15:10 h: Rebecca Yang / Associate Professor School of Property, Construction and Project Management, RMIT University, Melbourne, Australia: “Solar energy application Lab @RMIT – An overview of current work” 15:15 – 15:25 h: Fabian Ochs / Dr.-Ing. University of Innsbruck, Austria, Unit for Energy Efficient Building “Evaluating the role of onsite storage in a future renewable based energy system” 15:30 – 15:40 h: Fabian Ochs / Dr.-Ing. University of Innsbruck, Austria, Unit for Energy Efficient Building “New residential districts – district heating, heat pumps” 15:45 – 15:55 h: Stephanie Lott / M.Sc. Team Smart City Concepts and Building Automation, IGTE, University of Stuttgart, Germany: “Development of integrated solar energy supply concepts for climate-neutral buildings in the "City of the Future" (Sol4City)” 16:00 – 16:10 h: Rainer Büsser / eVERA GmbH, Saarbrücken, Germany: “eVERA: Energy supply without fossil fuels - Innovative heat concepts” <p>Short Break</p> <ul style="list-style-type: none"> 16:25 – 16:35 h: Gerhard Mengedoht Prof. Dr.-Ing / Technische Hochschule Ulm (THU), Germany, currently Danish Technical University (DTU), Denmark, “From the passive house to the solar house – implementing the heat and power transition in the renovation of residential buildings 16:40 – 17:40 h: Thomas Ramschak / DI Technologieentwicklung, AEE - Institut für Nachhaltige Technologien, Gleisdorf, Austria “Energy active façades for SEB” 17:45 – 17:55 h: Elsabet Nomonde Nielsen / DTU Civil Engineering, Denmark “Research Projects at DTU 18:00 – 18:10 h: Joel H. Goodman / former assistant professor of architecture at the U. of Minnesota, USA: “Solar Energy Building (SEB) Studies - Selected TYPES” 18:15 – 18:25 h: Henner Kerskes / Dr.-Ing, IGTE, University of Stuttgart, Germany: “Innovative solar air heating and cooling system to reduce CO₂ Emissions” 	<p>Presentation Yang</p> <p>Presentation Ochs1</p> <p>Presentation Ochs2</p> <p>Presentation Lott</p> <p>Presentation Büsser</p> <p>Presentation Mengedoht</p> <p>Presentation Ramschak</p> <p>Presentation Nielsen</p> <p>Presentation Goodman</p> <p>Presentation Kerskes</p>
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6	18:30	Break	
7	18:45	General Introduction to subtasks by Harald Drück (IGTE)	
8	19:00	<p>Subtask A: Boundary Conditions, KPIs, Definitions and Dissemination Frank Späte, (OTH-AW, Germany)</p> <ul style="list-style-type: none"> • Introduction and sub-task structure • KPIs: definitions, methodology, criteria, framework conditions, reference • Dissemination: industry workshops • agreement on next steps <p>➔ <i>First meeting: July 29, 12:00 CEST (Organized by Frank Späte)</i></p>	Presentation Subtask A
9	20:00	<p>End of “formal part of day 1” <i>virtual get together</i></p>	

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Agenda day 2 (Friday, July 2, 2021)			
Item	Start time	Topic/Content/Responsible	Related documents / comments / details
10	13:00	Intro to day 2 by Harald Drück (IGTE)	
11	13:05	<p>Subtask B: New and existing single buildings N.N. Note: No Subtask Leader up to now! If you are interested in leading this subtask please contact harald.drueck@igte.uni-stuttgart.de</p> <ul style="list-style-type: none"> • Introduction and sub-task structure • .. • .. • agreement on next steps <p>Amendment: After the meeting Dr. Xinyu Zhang from the China Academy of Building Research, Beijing could be identified as leader of Subtask B. If you are interested in participating in Subtask B, please contact him. E-Mail: zxyhit@163.com</p>	
12	14:00	<p>Subtask C: New and existing buildings blocks / communities Elsabet Nielsen, Department of Civil Engineering, Technical University of Denmark</p> <ul style="list-style-type: none"> • Presentation of the subtask • Demonstration cases • Planning and implementation methodology • Modelling, simulation and optimization tools • Agreement on next steps 	Presentation Subtask C

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13	15:30	Break	
14	16:00	<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 	Presentation Subtask D
15	17:00	<p>Organisational aspects (HD)</p> <ul style="list-style-type: none"> • National participation letters (Status) • COST Action – how to proceed? • Task emailing list • Cloud based document processing • Task Logo – proposals are highly appreciated • Task brochure • Task66 Member Area - access for participants: Username: task66 Password: Buildings66 • “ice pictures” 	Presentation “Logo”

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16	17:30	<p>Summary and next steps (HD)</p> <ul style="list-style-type: none"> • Next Meeting when and where? virtual or in presence? combined with conference on “Green Buildings”? combined with Solar Decathlon Europe, June 10 – 26, 2022, Wuppertal, Germany combined with EuroSun 2022, September 26 – 29, 2022, Kassel, Germany <p>Proposal Meeting No 2: Autumn 2021, virtual Meeting No.3: Spring 2022, virtual Meeting No 4: June 14 and 15, 2022, Wuppertal</p> <p>Decided: Meeting No 2: virtual, Nov 4 and 5, 2021 start at 12:00 CET Meeting No.3: Spring 2022, virtual</p> <ul style="list-style-type: none"> • Any Other Business 	
17	18:00	End of meeting	

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Contacts:

Contact persons for questions regarding the content:

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Subtaks Leaders:

Contact person for subtask A:

Prof. Frank Späte

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Contact person for subtask D:

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Contact person for subtask B

Dr. Xinyu Zhang

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List of Participants:

NO	NAME	INSTITUTION	COUNTRY
1	Prof. Frank Späte	Ostbayrische Technische Hochschule OTH	Germany
2	Elsabet Nomonde Nielsen	DTU Civil Engineering	Denmark
3	Thomas Ramschak	AEE - Institut für Nachhaltige Technologien	Austria
4	Dr. Fabian Ochs	University of Innsbruck	Austria
5	Markus Peter	dp-quadrat.de	Germany
6	Franziska Bockelmann	Steinbeis-Innovationszentrum energie+	Germany
7	Dr. Harald Drück	University of Stuttgart	Germany
8	Claudia Scholl-Haaf	University of Stuttgart	Germany
9	Rebecca Yang	RMIT University Melbourne	Australia
10	Altin Maraj (Ph.D.)	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	Prof. Dr. 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	Dr. Christoph Müller	hc-solar innovative solar solutions	Germany
20	Rainer Büsser	eVERA GmbH	Germany
21	Bernd Hafner	Viessmann Climate Solutions SE	Germany
22	Stefanie Lott	University of Stuttgart	Germany
23	Arkadiusz Urzędowski	Lublin University of Technology, Poland	Poland
24	Magdalena Paśnikowska –Łukaszuk	Lublin University of Technology, Poland	Poland
25	M. Sc. Muthalagappan Narayanan	Technische Hochschule Ulm (THU)	Germany

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26	Prof. Gerhard Menedoht	Technische Hochschule Ulm (THU)	Germany
27	Andreas Gäbler	TU Bergakademie Freiberg	Germany
28	Dr. Henner Kerskes	University of Stuttgart	Germany
29	Hinrich Reyelts	Diplomingenieur, Architekt	Germany
30	Costas Travasaros	Prime Laser Technology SA Greece	Greece
31	Yong Chen	IRENA International Renewable Energy Agency	Germany
32	Jyotirmay Mathur	Malaviya National Institute of Technology	India
33	Zhiyong Tian	Huazhong University of Science and Technology	China
34	M.C. Mario Nájera Trejo	Centro de Investigación en Materiales Avanzados, S.C.	Mexico
35	Lahoucine Ouhsaine	co-founder of Plataforma SAS	France
36	Glen Ryan	Sunovate Co Funder	Australia
37	Jonas van Ouwerkerk, M.Sc.	RWTH Aachen University	Germany