



AGENDA

9th Experts Group Meeting

Venue: AAU-CPH, A. C. Meyers Vænge 15, 2450 København SV. Denmark
 Date: May 1 – 3, 2013

Capsule

April 30	International Conference: Towards Net Zero Energy Buildings (optional)
May 1-3	Experts Group meeting (by invitation only)
May 2	09h00 – 17h00 Task/Annex Meeting 18h00 - Cultural Event 19h30 – Group dinner (informal)
May 3	09h00-13h00 Task/Annex Meeting

Tuesday, April 30th, 2013

All day	Hotel check-in	
	<i>International Conference: Towards Net Zero Energy Buildings</i>	AAU-CPH
19h30	Management meeting of OA and Subtask leaders	AAU-CPH

Day 1, Wednesday, May 1st, 2013

08h00	Registration	
09h00	<u>Opening Plenary</u> (Ayoub/Wittchen)	AAU-CPH (Room XXX)
	1- Overview and welcome	
	2- Recognition of meeting participants and welcome new participants	
	3- Announcements by Host	
	4- OA report (Change in member country and National experts participation / ExCo feedback / Deliverables/milestones scheduling)	
09h45	<u>Subtask Progress & Objectives at the meeting</u>	
	5- STA – Progress report and agenda (Karsten)	
	6- STA – Definitions & Implications (Frederico)	
	7- STA – Indicators for Load Match & Grid Interaction (TBD)	
10h45	Coffee Break	
11h00	8- STB – Design Processes & Tools (Athienitis/O'Brien)	
11h30	9- STB – Case studies (Sam Yip, Costas)	
12h00	10- STC – Solution Sets and Outputs (Donn/Garde)	
12h30	Lunch	
13h30	<u>Subtask-Breakout Sessions</u>	
14h00	11- Joint STB – STC presentation and Qs&Rs on editing requirements (Sam Yip)	AAU-CPH
15h15	Coffee Break	STA – Room XXX
15h30	<u>Subtask-Breakout Sessions</u>	STB – Room YYY STC – Room ZZZ
17h00	End Day 1	

Day 2, Thursday, May 2nd, 2013

09h00	ST Breakout Sessions (cont'd)	AAU-CPH
10h30	Coffee Break	STA – Room XXX
11h00	ST Breakout Sessions (cont'd)	STB – Room YYY
13h00	Lunch	STC – Room ZZZ
14h00	ST Breakout Sessions (cont'd)	
15h30	Coffee Break	
15h45	ST Breakout Sessions (cont'd)	

1700 End Day 2

18h00	Cultural tour of city center (meeting location to be announced)
19h30	Group dinner (sponsored, venue to be announced)

Day 3, Friday, May 3rd, 2013

09h00	ST Breakout Sessions (Wrap-up)	AAU-CPH
10h30	Coffee Break	STA – Room XXX
11h00	Closing Plenary	STB – Room YYY
	12- Subtasks feedback (STB / STA / STC - 15 min. max)	STC – Room ZZZ
	<ul style="list-style-type: none">• Advances towards work plan/ milestones/ deliverables• Summary Action Items Summary• Plans for next 6 months• End of Task/Annex Management Reporting• End of Task/Annex Survey	
	13- Plans for the 10 th and last Task/Annex meeting	
	14- Any other business	
	<ul style="list-style-type: none">• Follow up ideas for new annexes/tasks (Anna, Karsten, others?)	

12h30 Close of Meeting - Lunch

Breakout Sessions Agendas

SUBTASK A (Room XXX)	SUBTASK B (Room YYY)	SUBTASK C (Room ZZZ)
<ul style="list-style-type: none"> • Activity A.1: Develop international NZEB definitions framework based on experience from existing approaches • Activity A.2: Develop monitoring, verification and compliance guide for checking annual balance in practice • Activity A.3: Study grid interactions and the time dependent energy mismatch and exergy balance 	<ul style="list-style-type: none"> • Activity B.1: Document processes & tools currently being used or under development to design NZEBs • Activity B.2: Select/refine pre-concept design, feasibility tools linked to STC Solution Sets • Activity B.3: Develop tools guide, worked examples of projects to support industry adoption 	<ul style="list-style-type: none"> • Activity C.1: NZEB STC Database • Activity C.2: Analysis Matrix • Activity C.3: Research analysis of themes undertake • Activity C.3: STC Source Book

Day 1, Wednesday, May 1 st		
13H30 – 17h00	<p>A.1 Minutes and action plan review, Barcelona meeting (Karsten/Federico)</p> <p>A.2 Reporting on new reports (from us or others), conference and journal publications, planning (all, see Excel list)</p> <p>A.3 New country specific developments, national definitions, (all)</p> <p>A.4 Status updated literature review (Anna)</p> <p>A.5 Status of approval for the M&V protocol (Federico)</p> <p>A.6 Status of approval for the LCA report (Björn, Monika)</p> <p>A.7 Net ZEB Tool – Testing, Experiences, Feedback (Federico)</p> <p>A.8 Net ZEB Wikipedia – Status (Eike)</p>	<p>B.1 Volume 2 chapter status</p> <p>Ch2. Modeling and Design of NZEBs as Integrated Energy Systems. (Andreas, All)</p> <p style="padding-left: 20px;">2.1 Comfort considerations and function requirements</p> <p style="padding-left: 20px;">2.2 Passive design, energy efficiency and thermal dynamics</p> <p style="padding-left: 20px;">2.3 Modelling of solar systems integrated in buildings</p> <p>Ch3. The Path to Net-Zero Energy Buildings: Modelling, Design Processes, and Tools. (Liam, All)</p> <p style="padding-left: 20px;">3.1 Introduction</p> <p style="padding-left: 20px;">3.2 Tools, model resolution and design with examples</p> <p style="padding-left: 20px;">3.3 Design process and benchmarks</p> <p style="padding-left: 20px;">3.4 Optimization (separate chapter?)</p>
Day 2, Thursday, May 2 nd		
09h00 – 17h00	<p>A.9 Paper/report “Implications of Weighting Methodologies on Energy Systems in Net Zero Energy Buildings”: status, case studies, Steps towards paper and report (Federico, Eike, Per, ...)</p> <p>A.10 Indicators for low/high resolution analysis of load match and grid interaction – discussion on testing, steps towards summary and reporting (Igor, Eike, Björn, Jaume ...)</p> <p>A.11 Renewable energy fraction in Net ZEB – discussion on calculation procedures (Karsten)</p> <p>A.12 Monitoring results on a Swiss Net ZEB with E-Mobility and load matching measures (Monika)</p>	<p>Ch4. NZEBs: Design Case Studies.</p> <p style="padding-left: 20px;">4.1 Ecoterra (Liam, Xiang)</p> <p style="padding-left: 20px;">4.2 Leaf (Fransesco)</p> <p style="padding-left: 20px;">4.3 RSF/NREL (Xiang, Sam)</p> <p style="padding-left: 20px;">4.4 Enerpos (Aurelie, Costas)</p> <p>Ch5. Load management, predictive control, and peak generation and its impact on the electrical grid.</p> <p>Integration of sections, Introductions and Closing chapter</p>
Day 3, Friday, May 3 rd		
09h00 – 10h30	<p>A.13 Summarizing work plan and action items, preparation of the plenary presentation (all)</p>	<p>B.2 Wrap-up, review schedule for Vol. 2 delivery, closing plenary (everyone)</p>
		<p>C. 1 Summarizing work plan and action items, preparation of the plenary presentation (all)</p>