



Programme Workshop IEA HPT Annex 49 Design and integration of heat pumps for nZEB Online, Monday, April 26, 2021, 15.00 – 17.00 h

nZEB definition and ambition level

15.00 – 15.10	Introduction and overview of IEA HPT Annex 49	(C. Wemhoener)
15.10 – 15.20	Swedish nZEB implementation and comparison of heating systems	(O. Gustafsson)
15.20 – 15.35	Methodology to compare nZEB ambition level in different countries	(F. Ochs)

Case studies and optimisation of heat pumps in nZEB by monitoring/simulation

15.35 – 15:50	Group of eight buildings with low temperature heating grid	(C. Betzold)
15.50 – 16.05	Vögelebichl Innsbruck – Monitoring and simulation of two multi-family houses with heat pump, PV and collectors	(F. Ochs)
16.05 – 16.20	Monitoring of Energy plus buildings with different use	(F. Bockelmann)

Prototype technologies and heat pump integration options

16.20 – 16.35	Façade integrated PV-coupled heat pump system for space cooling	(A. Heinz)
16.35 – 16.50	Integrated heat pump (IHP) prototypes for NZEB	(V. Baxter)

Conclusions

16.50 – 17.00	Lessons learned	(C. Wemhoener)
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