



## Workshop & B2B Meeting: Thermal Energy Storage Systems for Energy Efficient Buildings

22<sup>nd</sup> June 2017

RUB ID E04/401, Universitätsstraße 150, 44801, Bochum

### AGENDA

09:00 – 09:10	Welcome	Ruhr-Universität Bochum, Germany (RUB)
09:10 – 09:30	The TESSE2b project: Thermal Energy Storage Systems for Energy Efficient Buildings	Polytechnic Institute of Setúbal, Portugal (IPS)
09:30 – 09:50	The CREATE project: Compact RETrofit Advanced Thermal Energy storage	Vaillant Group, Germany (Vaillant)
09:50 – 10:15	Innovative use of Phase Change Materials (PCMs) for renewable heating and cooling	Phase Change Material Products Ltd, United Kingdom (PCM Products)
10:15 – 10:40	Protective layers for hydrated salts and Nanoparticle Enhanced PCM (NEPCM) for improved thermal conductivity	University of Ioannina, Greece (UOI)
10:40 – 11:05	Development of heat exchangers and PCM tanks for heating, cooling and Domestic Hot Water (DHW)	Central Greece University of Applied Science, Greece (TEISTE)
11:05 – 11:20	COFFEE BREAK	
11:20 – 11:45	Geothermal heat pumps with PCM in boreholes	Geoteam Technisches Büro für Hydrologie, Geothermie und Umwelt GmbH, Austria (GEOTEAM)
11:45 – 12:10	Demonstration of the TESSE2b system in residential houses in Austria, Cyprus and Spain and their energy analysis	GEOTEAM, IPS, TEISTE
12:10 – 12:35	Control and monitoring system for high energy and cost efficiency	RUB, Warsaw University of Life Sciences, Poland (SGGW), Centre for Renewable Energy Sources and Saving, Greece (CRES)
12:35 – 13:00	Exploitation of research results and transfer to market	CRES
13:00 – 13:10	Research overview on thermal energy storage in FP7-project MERITS and H2020-project STORY	VITO, Belgium
13:10 – 14:15	LUNCH	
14:15 – 15:15	<b>B2B meetings on:</b>	
	• PCMs and their applications	PCM Products, UOI
	• Business-Economics & Marketing	CRES
	• Control and monitoring systems applied to thermal energy storage and HVAC Systems	RUB, SGGW
15:15 – 15:30	• B2B meeting on HVAC systems based on thermal energy storage	IPS, CRES, Vaillant, TEISTE
	COFFEE BREAK	
15:30 – 16:30	B2B meetings – Continuation	

