



TESSE²B
the smart energy storage

Thermal Energy Storage Systems for energy efficient building an integrated solution for residential building energy storage by solar and geothermal resources



Horizon 2020
European Union funding
for Research & Innovation

Workshop

“Thermal Energy Storage Systems for energy efficient building an integrated solution for residential building energy storage by solar and geothermal resources” TESSE²B

Friday 2 November 2018

Location: **Conference Hall, Prefecture of Central Greece, Chalkida, Greece**

Organised by **Technological Education Institute of Sterea Ellada**

AGENDA

Under the auspices of Council of Research and Innovation of the Region of Sterea Ellada (Central Greece)



Friday, November 2, 2018 - 4th Tesse2b Workshop and B2B Meetings

AGENDA

9:00 – 9:30 Opening - Welcoming	<ul style="list-style-type: none"> - Authorities - Council of Research and Innovation of the Region of Sterea Ellada (Central Greece) / Prof. Vassilis Stathopoulos, Co-Chairman - Centre for Renewable Energy Sources and Saving (CRES) / Dr. Constantinos Karytsas, Director of RES Division - TEI of Sterea Ellada / Prof. Michail Gr. Vrachopoulos, Chairman of Mechanical Engineering Department 						
9:30 – 9:45	<i>The TESSe2b project: Thermal Energy Storage Systems for Energy Efficient Buildings</i> Assist. Prof. Luis Coelho, IPS - Portugal						
9:45 – 10:00	<i>Phase Change Materials (PCMs) for renewable heating and cooling</i> Adam Dicken, PCM PRODUCTS Ltd, UK						
10:00 – 10:30	<i>Development of heat exchangers and PCM tanks for heating, cooling and Domestic Hot Water (DHW) – Innovation with development of protective coating and use of nanoparticles</i> Assist. Prof. Maria K. Koukou, Christos Pagkalos, TEISTE, Greece Prof. George Evangelakakis, UOI, Greece						
10:30 – 10:50	<i>New controlling strategies for TES HVAC systems</i> Prof. C. Sourkounis, RUB, Germany						
10:50 – 11:30	COFFEE BREAK						
11:30 – 11:45	<i>Enhanced Geothermal BHEs with PCMs</i> Mag. Heiko Gaich, GEOTEAM, Austria						
11:45 – 12:15	<i>Best Practices: Demonstration of the TESSe2b system in three demosites</i> Aniol Esquerra Alsius, ECOSERVEIS, Spain, Mag. Heiko Gaich, GEOTEAM, Austria, Zenon Chrysanthou, Z&X Ltd, Cyprus						
12:15 – 12:30	<i>Exploitation of research results and transfer to market</i> Dr. Olympia Polyzou, CRES, Greece						
12:30 – 12:50	<i>Energy Storage in European Union – Experience from existing projects and future prospects</i> Ass. Prof. Luis Coelho, IPS, Portugal						
12:50 – 13:20	Open discussion - comments						
13:20 – 14:40	LUNCH						
14:40 – 16:30	Thematic B2B Meetings <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">PCM Products</td> <td>PCMs and their applications</td> </tr> <tr> <td>RUB</td> <td>Control and monitoring systems applied to thermal energy storage and HVAC Systems</td> </tr> <tr> <td>CRES</td> <td>HVAC systems based on TES and Business-Economics & Marketing</td> </tr> </table>	PCM Products	PCMs and their applications	RUB	Control and monitoring systems applied to thermal energy storage and HVAC Systems	CRES	HVAC systems based on TES and Business-Economics & Marketing
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16:30 - 16:45	COFFEE BREAK						
16:45 – 18:00	Thematic B2B meetings – Continuation						
18:00	End of workshop						