

2nd European Underground Energy Storage Workshop

Paris, 23 – 24 of May 2023

This workshop is dedicated in the memory of our colleague from the Czech Geological Survey

Vit Hladik

who contributed enormously to the organization of the first workshop and initiated the present event

Workshop program

DAY 1 - 23rd of MAY 2023

Time	Title	Speaker	Affiliation
11:30	Registrations		
12:30	<i>Lunch buffet</i>		
	Session 1. Introductory session <i>chair: Alexandra Dudu, ENeRG President</i>		
13:30	Welcome and introduction to the workshop	Alexandra Dudu	ENeRG President
13:40	In memoriam Vit Hladik	Alla Shogenova	Ex-ENeRG President
14:00	The COST Action Geothermal DHC in a nutshell	Jessica Maria Chicco	University of Torino
14:20	Research perspectives/needs on underground energy storage	György Falus	Supervisory Authority for Regulatory Affairs
14:40	Industry perspectives/needs on underground energy storage	Miguel Silva	Avalon

15:00	<i>Coffee break & posters</i>		
	Session 2. Advances in deployment of underground energy storage <i>chair: Barbara Merson, ENeRG-OGS</i>		
15:30	Hydrogen storage in salt caverns – current status and potential future research topics	HeiKe Bernhardt	DEEP.KBB
15:50	Pilot Strategy	Fernanda Veloso	BRGM
16:10	Energy underground storage of fluids in salt caverns for Power-To-Methane technology	André Burnol tbc.	BRGM
16:30	Identification of promising CCUS clusters in the Baltic and Mediterranean regions (CCUS ZEN project)	Catherine Ringstad	SINTEF
16:50	Panel discussion: Advances in the deployment of underground energy storage <i>chair: Alla Shogenova, ENeRG-TalTech-DG</i>		

DAY 2 - 24th of MAY 2023

Time	Title	Speaker	Affiliation
9:00	Registrations		
	Session 3. Challenges for underground energy storage <i>Chair: Kazbulat Shogenov, ENeRG-SHOGenergy</i>		
09:30	CO2Spicer	Roman Berenblyium	NORCE
09:50	GSEU's Contribution to Advancing Energy Storage Solutions	Francesco Pizzocolo	EuroGeoSurveys
10:10	Finding Synergy between CCS and Large-scale Hydrogen Storage	Gang Wang	Heriot-Watt University
10:30	<i>Coffee break & posters</i>		
11:00	Mass exchanges between the phases of a salt cavern: Hydrogen permeation in rock salt and hydrogen dissolution in the brine	Murad Abuaisha	Paris School of Mines
11:20	Numerical modeling of the complex behavior of salt caverns	Benoit Brouard	Brouard Consulting SAS
11:40	Laboratory characterization of rock salt and	Laura Blanco	Paris School of

	implications for underground facilities	Martin	Mines
12:00	<i>Lunch break & poster session</i>		
	Underground Thermal Energy Storage Systems (COST-GEOTHERMAL DHC)		
	Session 4. Overview of the main technological aspects <i>chairs: Jessica Maria Chicco, University of Torino & Vasiliki Gemeni, HAEE</i>		
13:00	The role of the UTES systems in the 5th generation technologies and DHC grids	Saquib Javed & Marwan Abugabbara	Lund University
13:25	Drivers for widespread adoption of ATES systems. Confirmed speaker: Martin Bloemendal	Martin Bloemendal	TU Delft
13:50	Current status of ATES in UK	Carl Jacquemyin	Imperial College London
14:15	Borehole thermal energy storage (BTES): LT and HT BTES with case studies	Charles Maragna	BRGM
14:40	BTES case studies in Scandinavian countries	Saquib Javed	Lund University
15:05	Mine Thermal Energy Storage (MTES): case studies from Northern Germany	René Verhoeven	Fraunhofer IEG
15:30	<i>Coffee break & posters</i>		
	Session 5: Challenges in the development of UES across Europe <i>chair: Jessica Maria Chicco, University of Torino</i>		
16:00	Costs, benefits and potential of UTES	Giulia Conforto	e-Think Vienna
16:25	The role of the communication: raising knowledge among stakeholders and non scientific people	Vasiliki Gemeni	HAEE
16:50	Facilitating the development of UES to Fight Against Energy Poverty	Meltem Ş. Ucal	Khadir Has University
17:15	<i>Round table and closing remarks</i>		

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Info:	info@energnet.eu
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