









2nd European Underground Energy Storage Workshop

Paris, 23 - 24 May 2023

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

Vit Hladik





Context

Building on the success of the 1st European Underground Energy Storage Workshop, held in Paris in 2019, the ENeRG network, COST Action Geothermal-DHC and EuroGeoSurveys are pleased to welcome you to the 2nd European Underground Energy Workshop

Organizing
committeeAlexandra Dudu, GeoEcoMar and ENeRG President 2023-2024Alla Shogenova, TalTech, SHOGenergy, ENeRG President 2022-2023Eleonora Manoukian, CERTH and ENeRG secretaryJessica Chicco, University of Turin, MC member of Cost action "Geothermal DHC"Barbara Merson, OGSGregor Goetzl, Geosphere Austria, Chair of the Cost action "Geothermal DHC,,Arnaud Reveillere, GeostockAnnamária Nádor, EuroGeoSurveys, chair of the GeoEnergy Expert Group

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1st UES workshop 7-8 November 2019, Paris







First big EU event on Underground Energy Storage (UES) was organized by ENeRG together with EuroGeoSurveys' GeoEnergy Expert Group, BRGM, and the ANR FLUIDSTORY project.

The workshop was a real success, both in terms of the number of participants (130 from 23 countries) representing research, policy and industry, and of the constructive scientific exchanges.



Program – Day 1

17:40	End of the day	
17:10	Discussion: Advances in the deployment of underground energy storage chair: Alla Shogenova, ENeRG-TalTech-DG	
15:30-17:10	Session 2. Advances in deployment of underground energy storage chair: Barbara Merson, ENeRG-OGS	
15:00	Coffee break & posters	
13:30-15:00	Session 1. Introductory session chair: Alexandra Dudu, ENeRG President	
12:30	Lunch buffet	
11:30	Registrations	
Time	Title	

Program – Day 1 Session 1. Introductory session

Time	Title	Speaker	Affiliation		
	Session 1. Introductory session chair: Alexandra Dudu, ENeRG President				
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 need for underground energy storage	Kazbulat Shogenov & Alla Shogenova	TalTech and SHOGenergy (Estonia)		
14:20	Project Optimization for New Industrial Projects	Miguel Silva	Avalon (USA)		
14:40	The COST Action Geothermal DHC in a Nutshell	Jessica Maria Chicco	University of Torino (Italy)		
15:00	Coffee break & posters				

Program – Session 2

	Session 2. Advances in deployment of underground energy storage chair: Barbara Merson, ENeRG-OGS			
15:30	Hydrogen Storage in Salt Caverns – Current Status and Potential Future Research Topics	HeiKe Bernhardt	DEEP.KBB (Germany)	
15:50	Underground Storage of Ammonia (NH3): Review of Possibilities	Matthias Torquet	Geostock (France)	
16:10	Storing H2 in Aquifers using CO2 as Cushion Gas, the Thermodynamic Behavior of the System	Fernanda Veloso	BRGM (France)	
16:30	Identification of Promising CCUS Clusters in the Baltic and Mediterranean Regions (CCUS ZEN Project)	Catherine Ringstad	SINTEF (Norway)	
16:50	PilotSTRATEGY - EU project	Fernanda Veloso	BRGM (France)	
17:10	Discussion: Advances in the deployment of underground energy storage chair: Alla Shogenova, ENeRG-TalTech-DG			
17:40	End of the day			

Posters

Title	Authors	Affiliation
Ranking of geological structures in deep aquifers for UHS	Leszek Lankof, Radoslaw Tarkowski, and Katarzyna Luboń	MEERI-PAS (Poland)
GIS-based analysis of rock salt deposits' suitability for underground hydrogen storage	Radoslaw Tarkowski, Leszek Lankof, and Katarzyna Luboń	MEERI-PAS (Poland)
New synergy concept of geothermal energy recovery, CO2 and green hydrogen geological storage in the Baltic offshore structure	Kazbulat Shogenov & Alla Shogenova	TalTech & SHOGenergy (Estonia)
Driven Geothermal Energy Pile: An innovative heating/cooling solution	Rao Martand Singh	NTNU (Norway)
Utilization of empty caverns in oil fields of Albania for the underground storage of natural gas arriving from TAP	Altin Maraj	Polytechnic University of Tirana (Albania)
A Successful ATES deployment in the UK Chalk Aquifer, London	Hayley Firth	Imperial College London (UK)