H2 UGS summer school Bergen 2026

DRAFT Agenda FINAL

15-19.June 2026

CSSR

Monday	***Academic lectures for students and newcomers to the field***	Speaker	Affiliation
9:00	Arrival and coffee		
9:30	Welcome and intro		
09:45-10:45	Hydrogen underground storage (UHS) and modelling aspects	Hadi Hajibeygi	TU Delft
10:45 - 11:00	*Break*		
11:00 - 12:00	Geochemistry aspects for UHS	Katriona Edlmann	University of Edinburgh
12:00 - 13:00	*LUNCH and coffee*		
13:00 - 14:00	"Can they eat my hydrogen?" - Microbiology intro for UHS	Nicole Dopffel	NORCE
14:00 - 14:15	*Break*		
14:15 - 15:15	Underground Hydrogen Storage – From Power Point to Power Plant	Markus Pichler	RAG Austria
15:30	*End*		

Tuesday	First day of general summer school	Speaker	Affiliation
8:10	Arrival and coffee		
08:30-08:40	Welcome	NORCE	
08:40 - 09:05	Why we need clean energy - Climate Change and Impacts	Lea Svendsen	University of Bergen
09:10 - 09:20	Short overview of the status of hydrogen projects in Vestland's industrial sector	Sølve Dag Sondbø	Grøn Næringsinfrastruktur
09:25 - 09:45	FME HyValue - knowledge gaps, technology potential and scaling	Arvid Nøttveit	NORCE
09:50 - 10:20	*coffee break*		
10:20 - 10:40	Integrating Green Hydrogen Production with Energy Systems: From Generation to Storage and Utilisation Pathways	Aleksandra Komorowska	Min-Pan Krakow
10:45 - 11:05	Aldbrough Hydrogen Storage - Salt, Seismic, Solution Mining	Silvan Hoth	Equinor
11:10 - 11:40	*Poster pitches*	7	

11:40 - 12:40	*LUNCH and coffee and posters*		
12:40 - 13:10	*Poster pitches*	7	
13:15 - 13:35	HyStorage: Insights from Follow-Up Phases of the Hydrogen Storage Pilot in the Bavarian Molasse Basin	Sebastian Hogeweg	Uniper Energy Storage GmbH
13:40 - 14:00	EUH2STARS: Three Years of pure Hydrogen in the Rocks – What Really Happened Underground	Anitha Andiappan	RAG Austria
14:05 - 14:25	EUH2STARS: Practical Considerations for the Reservoir Engineering Design of Underground Porous Hydrogen Storage	Szőcs Béla Tihamér	Hungarian Gas Storage
14:30 - 14:50	*coffee break with group picture*		
14:50 - 15:10	Towards an Enabling European Regulatory Framework for Underground Hydrogen Storage	Markus Sairanen	University of Eastern Finland
15:15 - 15:35	Underground H2 storage – from feasibility to affordability	Karin deBorst	Shell
15:40 - 16:00	Introducing the new H2-TCP Task on UHS – a renewed joining of forces to help implement UHS safely, reliably and affordably	Remco Groenenberg	TNO
16:00 - 16:45	*Poster session*		
around 17:00-19:00	**Welcome reception**		

Wednesday	Second day of general summer school	Speaker	Affiliation
8:15	*Arrival*		
8:25	*Welcome and hydrogen fun fact*		
08:30 - 08:45	*Poster pitches*	5	
08:45 - 09:15	*Poster session*		
09:15 - 09:35	H2CAST UHS experiences - from planning into operation	Carsten Reekers	STORAG Etzel
09:40 - 10:00	HyPSTER Project - Results from the first Underground Hydrogen Storage in a salt cavern in France	Gregoir Hevin	Storengy
10:00 - 10:25	*coffee break*		
10:30 - 10:50	Unravelling internal diapir structure and lithological heterogeneity – an integrated numerical modelling approach	Leonardo Muniz-Pichel	University of Bergen

10:55 - 11:15	Insights on gas quality from two H2 storage pilots in a limestone reservoir and a salt cavern	Joachim Tremosa	Geostock
11:20 - 11:45	Modeling hydrogen storage in context: the devil is in the details	Harry van der Weijde	Open Energy Transition
11:50 - 12:40	*LUNCH and coffee*		
12:40 - 13:00	Introduction interactive session "PowerPlay"	Eddy Kuperus	Gasunie
13:00 - 14:00	*Interactive session "PowerPlay" with discussion round*		
14:00 - 14:30	*coffee break & posters*	Living on Hydrogen	
14:30 - 14:50	New Zealand's unique hydrocarbon microbiome and its implications for potential hydrogen geostorage	Kelsey McKenzie	University of Canterbury
14:55 - 15:15	Microbial impact on underground hydrogen storage in European porous reservoirs: Insights from the HyDRA project	Petra Bombach	Isodetect
15:15 - 15:35	The impact of varying hydrogen concentrations on microbial communities from three porous gas reservoirs in the Vienna Basin	Lydia Krasper	MicroPro
15:35 - 15:45	*short break*		
15:45 - 16:05	An in situ biosampling device for accurate microbiological characterization of underground gas storage reservoirs	Artur Zaduryan	BOKU
16:10 - 16:30	Living the HyLife - Presenting the results of the microbial screening of 52 European storage sites	Nicole Dopffel	NORCE
19:00	**Dinner at Fløirestauranten, Fløyfjellet 2, 5014 Bergen, please use the Fløibanen funicular tickets**		

Thursday	Third day of general summer school	Speaker	Affiliation
8:30	*Arrival and coffee*		
8:50	*Welcome and hydrogen fun fact*		
09:00-09:30	Energy literacy in the media: Why are journalists so (selectively) techno optimists when they cover climate change?	Andreas Ytterstad	OsloMet
09:30 - 10:30	*Science communication practice (no online interactions)*		
10:30 - 10:50	*coffee break*		
10:50 - 11:30	*Results of communication practice (no online interactions)*		

11:30 - 12:30	*LUNCH and coffee*		
12:30 - 12:50	*poster session*		
12:55 - 13:15	Lined Rock Caverns: What? Why? and How? — Exploring the Future of Underground Energy Storage	Mohammad Masoudi	SINTEF
13:20 - 13:40	Fundamentals on Natural Hydrogen - basic geochemistry and exploration	Giuseppe Etiope	INGV / BBU
13:45 - 14:05	H2-QUEST Project: Exploration and Evaluation of European Natural Hydrogen Potential	Stephane Polteau	IFE
14:05 - 14:35	*coffee break & posters*		
14:35 - 15:55	Possibilities of subsurface hydrogen storage based on petrophysical laboratory tests	Marianna Vadászi	University of Miskolc RIAES
15:00 - 15:20	Geochemical considerations of H2 storage: Hydrogen-mediated pyrite dissolution in mixed mineral systems	Lauren Beckingham	Auburn University
15:25 - 15:45	Unlocking Underground Potential: Repurposing Existing Salt Caverns for Hydrogen Storage	Anne Westhues	DEEP.KBB
15:45 - 15:50	Announcement Poster Award Winner		
15:55	*Reflection of the 2026 summer school*	*Sarah Gasda*	NORCE
16:10	*Final words and announcement of next summer school*		

Friday OPTIONAL	
Excursion to Northern Lights CO2 storage project (only available to those who have signed up)	7:15-11:30
Pick up location: Odd frantzens plass	
Bus departs at 7:30 AM, please arrive at 7:15 AM	
Bus will arrive back at the same location at 11:30 AM	