



CO2GeoNet member's participation GHGT-16

CO2GeoNet member	Presenter	Title	Session	Date	Location
Sintef	Ragnhild Skagestad	Assessing the Suitability of CO2 Reduction Technologies for Industry	Session 1E- Decarbonizing industry I Track E	Monday, Oct 24, 2022 11:20 - 11:40	Tete D'Or room 1 - 1st Floor
Imperial College London	Solene Chiquier	The efficiency, timeliness and permanence of CDR pathways: a comparative analysis	Session 1D - From zero to negative emissions Track D	Monday, Oct 24, 2022 11:20 - 11:40	Bellecour room 1 - lower level -1
Imperial College London	Piera Patrizio	CO2 mitigation or removal, the optimal uses of biomass in energy systems decarbonization	Session 1D - From zero to negative emissions Track D	Monday, Oct 24, 2022 11:40 - 12:00	Bellecour room 1 - lower level -1
Eth Zürich	Mattheus Meijssen	SWISSCARB, Indirect mineral carbonation using demolished concrete waste: from reactor modelling to economic and environmental optimization	Session 1F -Basalts, low-permeability and mineralisation modelling Track F	Monday, Oct 24, 2022 12:20 - 12:40	Tete D'Or room 1 - 1st Floor
Sintef	Donghoi Kim	Process design optimization and techno-economic analysis of a hybrid low-emission hydrogen production system	Session 2E- Hydrogen and CCS Tracks Track E	Monday, Oct 24, 2022 3:00 - 3:20	Tete D'Or room 1 - 1st Floor
Heriot-Watt University	Amir Jahanbakhsh	Does Structural Heterogeneity Overshadow the Effects of Wettability Heterogeneity on Fluid Flow at Pore-scale?	Session 2F -Geochemical and pore-scale modelling Tracks Track F	Monday, Oct 24, 2022 2:20 - 2:40	Tete D'Or room 2 - 1st Floor
GEUS	Ulrik Gregersen	Tectonostratigraphy and structural evolution of the Stenlille structure in Zealand, Denmark – A site for natural gas and CO2 storage	Session 3B - Geological Storage Case Studies I Tracks Track B	Monday, Oct 24, 2022 4:10 - 4:30	Salle Gratte- Ciel 2nd Floor
GEUS	Nikolai Andrianov	Characterization of brine-CO2-rock interactions by inverse modelling – A case study from the Nini field, Danish North Sea	Session 3B - Geological Storage Case Studies I Tracks Track B	Monday, Oct 24, 2022 4:30 - 4:50	Salle Gratte- Ciel 2nd Floor
GEUS	Kenneth Bredesen	Quantitative seismic interpretation of the Gassum Formation at the Stenlille aquifer gas storage	Session 3B - Geological Storage Case Studies I Tracks Track B	Monday, Oct 24, 2022 4:50 - 5:10	Salle Gratte- Ciel 2nd Floor
IFPEN	Lead Panellist - Florence Delprat-Jannaud	Round table on political issues related to CCUS. Overview	Session 3C - Panel Discussion 1- Round table on political issues related to CCUS. Tracks Track C	Monday, Oct 24, 2022 4:10 - 5:50	Bellecour rooms 2&3 lower level -1

Università di Roma "La Sapienza"	Stan E. Beaubien	Mapping and quantifying CO2 leakage using the Ground CO2 Mapper	Session 3F - Ecosystem and well monitoring with focus on chemical methods Tracks Track F	Monday, Oct 24, 2022 4:10 - 4:30	Tete D'Or room 2 - 1st Floor
Sintef	Rubén M. Montañés	Techno-economic assessment of the hybrid adsorption-membrane concept for post-combustion CO2 capture from industry flue gases	Session 3G-Membranes Tracks Track G	Monday, Oct 24, 2022 3:00 - 3:20	Salon Tete D'Or -1st Floor
TNO	Jasper Ros	Construction and Operation of a non-Metallic pilot CO2 Capture Rig	Session 4A - Absorption: Environment and Operation I Tracks Track A	Tuesday, Oct 25, 2022 10:30 - 10:50	Grand Salon Gratte-Ciel, 2nd Floor
IFPEN	Sibylle Duval--Dachary	Life Cycle Assessment of BECCS systems: critical review of life cycle inventories	Session 4D Biomass & CCS I Tracks Track D	Tuesday, Oct 25, 2022 9:10 - 9:30	Bellecour room 1 - lower level -1
BRGM	Isaline Gravaud	Environmental and Techno-economic Feasibility of a BCCUS project: the CO2SERRE case study in Centre-Val de Loire (France)	Session 4D Biomass & CCS I Tracks Track D	Tuesday, Oct 25, 2022 9:50 - 10:10	Bellecour room 1 - lower level -1
TNO	Jurriaan Boon	Indirect gasification of residual biomass coupled with sorption-enhanced water-gas shift: A cost-effective platform for negative CO2 emissions and climate-positive hydrogen	Session 4D Biomass & CCS I Tracks Track D	Tuesday, Oct 25, 2022 10:30 - 10:50	Bellecour room 1 - lower level -1
Heriot-Watt University	Till Strunge	Marginal cost curves for decarbonizing the European cement industry	Session 4E - Cement Industry Tracks Track E	Tuesday, Oct 25, 2022 9:10 - 9:30	Tete D'Or room 1 - 1st Floor
Sintef	Michael Jordan	Learnings from the Pre-ACT campaign at the Svelvik CO2 Field Lab	Session 4F - Distributed Acoustic Sensing - surface deployments Tracks Track F	Tuesday, Oct 25, 2022 9:10 - 9:30	Tete D'Or room 2 - 1st Floor
BGR, SINTEF, and TNO	Panelists: Filip Neele -TNO, Simon Roussanaly -SINTEF, Heike Rütters -BGR	CO2 Impurities and Implications for Multiple Source Networks and Hubs	Session 5C Panel discussion 3-CO2 Impurities and Implications for Multiple Source Networks and Hubs Tracks Track C	Tuesday, Oct 25, 2022 11:20 - 13:00	Bellecour rooms 2&3 lower level -1
Eth Zürich	Antonio Gasós	Indirect mineral carbonation of recycled concrete: experimental assessment of a solid-bed reactor for improved calcium extraction	Session 5E- CO2 Mineralisation Tracks Track E mardi, octobre 25, 2022	Tuesday, Oct 25, 2022 12:40 - 13:00	Tete D'Or room 1 - 1st Floor
Sintef	Bastien Dupuy	Multiphysics geophysical surveys for CO2 storage characterization and CO2 plume monitoring	Session 5F - Multiphysics monitoring I Tracks Track F	Tuesday, Oct 25, 2022 11:20 - 11:40	Tete D'Or room 2 - 1st Floor

BGS co-author	Jamie Vovrosh (University of Birmingham)	Quantum technology based Gravity and Gravity Gradiometry as a tool for CCS monitoring and investigation	Session 5F - Multiphysics monitoring I Tracks Track F	Tuesday, Oct 25, 2022 12:40 - 13:00	Tete D'Or room 2 - 1st Floor
TNO	Roberta Veronezi Figueiredo	DORA Demonstration at TRL7 at HVC in the Netherlands	Session 6A - Absorption: Environment and Operation III Tracks Track A	Tuesday, Oct 25, 2022 4:00 - 4:20	Grand Salon Gratte-Ciel, 2nd Floor
Sintef	Ragnhild Skagestad	A Framework to Compare Climate Positive Technologies	Session 6D - NET & CCU Tracks Track D	Tuesday, Oct 25, 2022 4:00 - 4:20	Bellecour room 1 - lower level -1
Imperial College London	Piera Patrizio	Potentials and challenges of near-term deployment of hydrogen-based e-fuels for the European aviation sector	Session 6E- CO2 Conversion I Tracks Track E	Tuesday, Oct 25, 2022 4:40 - 5:00	Tete D'Or room 1 - 1st Floor
BRGM	Thomas Le Guenan	Facilitating the deployment of CO2 storage by exploiting synergies with geothermal energy	Session 7D- Assessing Geothermal Systems Tracks Track D	Wednesday, Oct 26, 2022 9:30 - 9:50	Bellecour room 1 - lower level -1
BRGM	Isaline Gravaud	Developing Carbon Capture Use and Storage in the Paris basin: the STRATEGY CCUS scenario	Session 7D- Assessing Geothermal Systems Tracks Track D	Wednesday, Oct 26, 2022 10:30 - 10:50	Bellecour room 1 - lower level -1
TNO	Maartje Feenstra	Separation enhanced methanol synthesis from CO2 and H2	Session 7E- CO2 Conversion II Tracks Track E	Wednesday, Oct 26, 2022 9:10 - 9:30	Tete D'Or room 1 - 1st Floor
Sintef	Anouar Romdhane	Screening and Non-Invasive Geophysical Monitoring of Legacy Wells Integrity for Offshore CO2 Storage	Session 8E - Wellbore Integrity Tracks Track E	Wednesday, Oct 26, 2022 11:20 - 11:40	Tete D'Or room 1 - 1st Floor
Sintef	Pierre Cerasi	Finite Element modelling of effect of Carbon nano-fibre inclusions on well cement strength	Session 8E - Wellbore Integrity Tracks Track E	Wednesday, Oct 26, 2022 12:20 - 12:40	Tete D'Or room 1 - 1st Floor
Heriot-Watt University	Pezhman Ahmadi	The Impact of Impurities on Thermophysical Properties of CO2 Rich Systems	Session 8G - Transport - CO2 Quality Tracks Track G	Wednesday, Oct 26, 2022 11:20 - 11:40	Salon Tete D'Or -1st Floor
Heriot-Watt University	Johnson Jimba	Experimental Investigation of Coriolis Meter Performance under Dense, Supercritical and Multicomponent CCS Transport Conditions	Session 8G - Transport - CO2 Quality Tracks Track G	Wednesday, Oct 26, 2022 12:20 - 12:40	Salon Tete D'Or -1st Floor
Sintef	Thor Mejdell	Compression and liquefaction unit for measuring impurities in the CO2	Session 8G - Transport - CO2 Quality Tracks Track G	Wednesday, Oct 26, 2022 12:40 - 13:00	Salon Tete D'Or -1st Floor
Imperial College London	Yuting Zhang	Geological storage resource use trajectories to meet CCS demand in China	Session 9B - Storage capacities Tracks Track B	Wednesday, Oct 26, 2022 4:20 - 4:40	Salle Gratte- Ciel 2nd Floor
OGS co-author	Anna Stork (Silixa Ltd.)	Monitoring CO2 injection with passive and active seismic surveys: Case study from the Hellisheiði geothermal field, Iceland	Session 9F - Monitoring microseismicity	Wednesday, Oct 26, 2022 4:40 - 5:00	Tete D'Or room 2 - 1st Floor

NORCE	Trine Solberg Mykkeltvedt	Impact of impurities on CO2 plume migration with application to CCS for H2 production	Session 9B - Storage capacities Tracks Track B	Wednesday, Oct 26, 2022 5:00 - 5:20	Salle Gratte- Ciel 2nd Floor
GeoEcoMar	Alexandra Constanta Dudu	Regulatory and social aspects related to well re-use in CO2 storage operations	Session 9C - Regulations and Standards - International and EU Tracks Track C	Wednesday, Oct 26, 2022 5:00 - 5:20	Bellecour rooms 2&3 lower level -1
Eth Zürich	Linda Frattini	Legal and regulatory gaps for carbon capture, transport, and storage	Session 9C - Regulations and Standards - International and EU Tracks Track C	Wednesday, Oct 26, 2022 5:20 - 5:40	Bellecour rooms 2&3 lower level -1
Eth Zürich	David Yang Shu	Insights from Life Cycle Assessment of the carbon capture and storage supply chain in the DMX™ Demonstration in Dunkirk (3D) project	Session 9D- System Perspectives Tracks Track D	Wednesday, Oct 26, 2022 5:00 - 5:20	Bellecour room 1 - lower level -1
Eth Zürich	Johannes Burger	Environmental impact of Carbon Capture, Transport and Storage (CCTS) chains	Session 9D- System Perspectives Tracks Track D	Wednesday, Oct 26, 2022 5:20 - 5:40	Bellecour room 1 - lower level -1
Imperial College London	Matthias Mersch	CCS value chain optimisation to maximise US tax credit revenues in Wyoming	Session 9G-Transport - Infrastructure & source-sink matching Tracks Track G	Wednesday, Oct 26, 2022 5:00 - 5:20	Salon Tete D'Or -1 st Floor
Czech Geological Survey NORCE co-author	Vit Hladik	Assessment of a mature hydrocarbon field in SE Czech Republic for a CO2 storage pilot	Session 10C - Geological Storage Case Studies Tracks Track C	Thursday, Oct 27, 2022	Bellecour rooms 2&3 lower level -1
TNO	Suzanne Hurter	The Surat Deep Aquifer Appraisal Project, Queensland, Australia	Session 10C - Geological Storage Case Studies Tracks Track C	Thursday, Oct 27, 2022 9:50 - 10:10	Bellecour rooms 2&3 lower level -1
GEUS	Florian Smit	Seismic Geomorphology of the Upper Triassic – Lower Jurassic Gassum Formation – Improved Reservoir Characterization in the Stenlille (Denmark) CCS Demonstration Site	Session 10C - Geological Storage Case Studies Tracks Track C	Thursday, Oct 27, 2022 10:10 - 10:30	Bellecour rooms 2&3 lower level -1
Imperial College London	Augustin Prado	Understanding the Impact of NET deployment on the Electricity Sector	Session 10D- Deployment Modelling Tracks Track D	Thursday, Oct 27, 2022 9:10 - 9:30	Bellecour room 1 - lower level -1
IFPEN	Guillaume Batôt	Life cycle assessment of CCUS scenarios in three promising European regions	Session 10D- Deployment Modelling Tracks Track D	Thursday, Oct 27, 2022 10:30 - 10:50	Bellecour room 1 - lower level -1

IFPEN	Audrey Estublier	Evaluation of surface movement observability and optimization of the monitoring plan through conceptual and coupled flow-geomechanics models - Examples of carbonate and sandstone reservoirs in CCS context	Session 10E -Geomechanics modelling Tracks Track E	Thursday, Oct 27, 2022 9:30 - 9:50	Tete D'Or room 1 - 1st Floor
TNO	Stefan Belfroid	Multiphase CO2 Induced Vibrations	Session 10G - Transport – Pipelines Tracks Track G	Thursday, Oct 27, 2022 10:10 - 10:30	Salon Tete D'Or -1 st Floor
IFPEN	Paula Coussy	An economic evaluation of eight regional scenarios for the deployment of carbon capture, use and storage in Southern and Eastern Europe to 2050	Session 10D- Deployment Modelling Track 4	Thursday, Oct 27, 2022 10:10 - 10:30	Bellecour room 1 - lower level -1