



# **GECO SUMMER SCHOOL 2022**

## **17-21 MAY, VOLTERRA, TUSCANY, ITALY**



Tuesday 17 May 2022		
16:30	Arrival - Bus from Pisa airport to Volterra	
18:00 – 22:00	<i>Aperitivo / Dinner:</i> Icebreaker, Informal Introduction to GECO Project	
Wednesday 18 May 2022		
08:30 – 09:00	<b>Registration</b>	
09:00 – 09:45	Lecture: Status of Climate Change, Traditional CCS and CCM	Guest Lecturer (TBD)
09:45 – 10:30	Geothermal Energy: Greener Production Opportunities	Daniele Fiaschi (University of Florence)
10:30 – 11:00	<i>Coffee break</i>	
11:00 – 11:45	Pre-feasibility Study for a Safe Geothermal Power Plant (Reservoir management, monitoring, and verification)	Eugenio Trumpy (CNR)
11:45 – 12:30	Drilling and Well Completion - State of the Art	Volker Wittig (Fraunhofer IEG)
12:30 – 13:00	Q&A	
13:00 – 14:00	<i>Lunch</i>	
14:00 – 15:00	GECO Solutions: Capture and Purification Technologies for Geothermal	Nökkvi Andersen (Reykjavík Energy)
15:00 – 16:00	GECO Solutions: Injection Well Modeling and Completion	Vlasios Leontidis (IFPEN) Serhat Akin (Middle East Technical University)
16:00 – 16:30	<i>Coffee</i>	
16:30 – 17:30	GECO Solutions: Carbfix Mineral Storage	Sandra Ó. Snæbjörnsdóttir (Carbfix) Bergur Sigfusson (Carbfix)
17:30 – 20:00	<i>Aperitivo</i>	
Thursday 19 May 2022		
08:30 – 09:30	GECO Solutions: Ex situ Mineralisation in Serpentinites	Chiara Boschi (CNR)
09:30 – 10:50	Castelnuovo: Conceptual Power Plant of GECO and its Real Counterpart Qualtra	Fausto Batini (GGP) Giordano Montegrossi (CNR)



10:50 – 11:10	<i>Coffee</i>	
11:10 – 11:40	GECO Injection Method in Kızıldere Geothermal Power Plant	Erdoğan Şentürk (Zorlu Enerji) Tuğrul Hazar (Zorlu Enerji)
11:40 – 12:10	Environmental Issues Related to Geothermal Power Plant: Overview	Isabella Nardini (Fraunhofer IEG)
12:10 – 13:00	Life Cycle Analysis, Life Cycle Cost, Life-Cycle Inventory (in GECO)	Giampaolo Manfreda (University of Florence) Maria Dolores Mainar Toledo (CIRCE)
<b>13:00 – 14:00</b>	<b><i>Lunch</i></b>	
14:00 – 14:30	3-E Methodology: Exergo-Economic, Exergo-Environmental Analysis	Lorenzo Talluri (University of Florence)
14:30 – 16:00	Regional CCS Deployment, Policy, and Public Acceptance	Adele Manzella (CNR) Amel Barich (GEORG)
16:00 – 18:00	Poster session & Aperitivo Departure to Villetta di Monterufoli	
<b>20:00</b>	<b><i>Dinner</i></b>	
<b>Friday 20 May 2022</b>		
09:30 – 16:30	Field trip to Malentrata Serpentinite-hosted Magnesite Deposits (Natural Analogue for Mineral CCS in Ultramafic Rocks)	Field trip leader: Andrea Dini (CNR)
<b>18:00 – 20:00</b>	<b>Aperitivo &amp; Wine Tasting</b>	
<b>20:00 – 22:00</b>	<b>Final dinner with music entertainment</b>	
<b>Saturday 21 May 2022</b>		
<b>08:00</b>	<b>Departure – Bus to Pisa Airport</b>	

