

Technical Class Schedule

Chester, United Kingdom 25-28, September 2022

No	Instructor	Title	Objectives
1	Pierre Bérest	History of the Abandonment Problem through In-Situ Tests	Understand history of SMRI activities since the 90's
2	Benoit Brouard	Overview of the Physical Phenomena involved in Salt Cavern Abandonment	Understand the phenomena involved and how they can be measured or calculated
3		SMRI History & Research Subjects related to Cavern Abandonment	Understand history of SMRI activities since the 90ies
4	Heike Bernhardt (DEEP.KBB)	"Abandonment of Salt Caverns", Research Project 2022: Gap Analysis (part 1).	Identification of missing subjects regarding cavern and cavern field closures
5	Dirk Zapf (IUB)	The Results of the Pressure Build-Up Test in a Brine Filled Cavern in Etzel	Overview of the test conditions and the test results
6	Arnaud Reveillere (Geostock)	Abandonment of LPG Caverns at Carresse: Removing of Trapped Propane and Tests on Shallow Caverns in France	Review of several case studies including a couple of abandonment tests supported by SMRI, and sharing of experiences after removing of trapped product
7	Andreas Bannach (ESK)	SMRI, Research Project (2004-2009): "The Staßfurt Abandonment Field Test"	Demonstrate the phenomena identified in previous research at a field scale for shallow bedded salt
8	Joel Nieland (RESPEC)	Geomechanical Modeling of Gulf Coast Salt Cavern for Abandonment Alternatives	Conventional and unconventional plugging and abandonment options
9	Benoit Brouard (Brouard Consulting)	Numerical Simulation of Cavern Abandonment for Shallow and Deep Caverns	Show how cavern-pressure evolution on the long term can be predicted using simple and robust hypothesis
10	Dieter Brückner (IfG)	Rock mechanical concept and in-situ investigations for cavern abandonment	Providing evidence for a successful and safe abandonment; Securing evidence
11	Brandon Lampe (Agapito Associates Inc.)	Recent Abandonment Techniques - North America	Compare recent abandonment techniques and regulatory requirements across North America
12	Allan Lennox (Atkins)	Practical considerations on cementing casing strings to surface and the consequences on well Integrity & abandonment	Alternative Cement Designs for the Production Casing. Review Pros and Cons of each option from construction, operations and abandonment view.
13	Alex van El (WEP) Robert Mastaler (Frisia) René Schneider (DEEP.KBB)	Abandonment of the brine production cavern Frisia BAS#2 in Harlingen, The Netherlands	Case history of Frisia BAS2 (bedded salt, very deep) incl. history, pre-investigations, observation phase, permitting, abandonment preparation and execution, monitoring.
14	Marinus den Hartogh (Nouryon)	Things to consider for abandonment of shallow bedded caverns (Hengelo) and large domal caverns (Heiligerlee)	Topics to be considered when planning abandonment? What are the differences between abandonment of shallow caverns in bedded salt an large caverns in domal salt?
15	René Buzogany, Heike Bernhardt (DEEP.KBB)	"Abandonment of Salt Caverns", Research Project 2022: Gap Analysis (part 2)	Discussion about specific research subjects, "new RFPs"