

FINAL CONFERENCE AGENDA

Tuesday, 4th of October 2022

Katowice, Central Mining Institute, Plac Gwarków 1, 40-166 Katowice

+ hybrid mode → link to online participation will be sent to registered participants at the end of September 2022)

8:30 CEST	Registration welcome, organizational issues and technical issue check for online attendants – by Malgorzata Markowska (GIG) and GIG Team
9:00 CEST	SESSION I: Introduction & welcome
9:00 – 9:10	Welcome by Central Mining Institute representative
9:10 – 9:40	Keynote speech: Introduction to climate change modelling and projections and impacts of extreme weather events - by Patrick Foster, University of Exeter
9:40 – 9:50	Introduction to TEXMIN project – by Malgorzata Markowska, Central Mining Institute
9:50 CEST	SESSION II: Climate change modelling and impacts of extreme weather events on mining sector
20 min	Impact of precipitation and groundwater level changes affecting tailing dams and natural hillsides located over underground mining areas – by Guillermo Vaquero Quintana, SUBTERRA
15 min	A new perspective for the numerical slope stability of surface coal mines due to rainfall – by Alexandros Theocharis, CERTH.
15 min	Advantages and disadvantages of overburden protection of deep mines from surface weather phenomena – by Christoph Klinger, DMT
20 min	Gas emissions from closed mine in light of climate change – by Paweł Wrona, Politechnika Śląska
15 min	Summary of impacts & synthesis of modelling undertaken in TEXMIN project (WP3) – by Nele Pollmann, DMT
10 min	Discussion
11:25 – 11:40	Coffee break
11:40 CEST	SESSION III – Mitigation strategies and tools for eliminating or minimising the impact of extreme weather events on working and abandoned mines
20 min	Strategies and remedial actions for impact and risks affecting mining structures – by UNEXE representative
15 min	Impact identification related with changes in precipitation and monitoring methodology in tailing dams. – by Guillermo Vaquero Quintana, SUBTERRA
15 min	Risk monitoring and adaptation measures during the reclamation of mining region sites - by Michal Rehor, Pavel Schmidt, Vlastimil Moni, VÚHU
60 min	Supporting processes of forecasting and reacting to climate risks - Workshop on TEXMIN tool – by Piotr Zawadzki, Mariusz Kruczek, GIG

15 min	Discussion and summary of the session
13:45	Lunch break
14:40 CEST	SESSION IV: Case studies
10 min	Case study 1: New reclamation methodology and mitigation measures at Radovesice spoil heap, Most Basin, CZ – by <i>Michal Rehor, Pavel Schmidt, VÚHU; Arnostka Kostkova, North Bohemian Mines, j. s. c.</i>
10 min	Case study 2: The role of groundwater on the stability of an abandoned shallow underground room and pillar coal mine - by <i>Alexandros Theocharis, CERTH.</i>
10 min	Case study 3: Effects of extreme infiltration conditions in the southern Ruhr area on pumping and pump management by <i>Christoph Klinger, DMT</i>
15 min	Case study 4: Polish experiences and perspectives, monitoring results and interconnection between RECOVERY and TEXMIN – by <i>Aleksander Wrana,</i>
15 min	Synthesis and handbook presentation – by <i>Mike Bedford, University of Exeter</i>
10 min	Discussion
15:50	Closing remarks
16:00	End of the conference