Safe and Effective Decommissioning of Arch Supports

duration of the project: 01.09.2025 – 31.08.2028

Kick-Off Meeting, Plac Gwarków 1; Katowice (Poland),

Agenda

DAY 1 25/09/2025

Meeting Introduction		**10.00-12.30**
INTRODUCTION	Welcome and approval of Meeting agenda	GIG-PIB Management representative + M. Pytlik + J. Skiba
	Introduction by Project Officer and General overview on the Agency and best practices for project implementation/administrative obligations	Francesco Palazzo
	Self-introduction of Project Partners (Power Point Presentation are warmly welcome)	All
Lunch		12.30-13.30
WP1. Coordination, reporting, dissemination and conclusions		13.30-13.50
WP1	Task 1.1 - Project coordination management and control	
	Task 1.2 - Website Management and dissemination	
	Task 1.3 - Lessons learned document and promotion of project results	
	Task 1.4 - Publications and dissemination workshop	

WP2. Concept of the arch support recovery technology		13.50-14.40
WP2	Task 2.1 - Development of preliminary assumptions for the recovery of arch supports process (assumed efficiency, auxiliary equipment, constraints...)	
	Task 2.2 - Development of an overall concept for cutting charges (casing, shape, insert, explosive)	
	Task 2.3 - Analysis of the impact of postexplosion gas discharge, ignition prevention, explosive charge safeguard methods and arch supports recovery process	
	Task 2.4 - Development of a concept for a new arch supports' recovery technique (synthesis, consideration of the legal environment and underground conditions)	
	Task 2.5 - Development of a concept for conducting demolition work of surface facilities of the mine	
Coffee Break		14.40-14.50
WP3. Numerical modelling, simulations and laboratory experiments		14.50-15.20
WP3	Task 3.1 - Material data acquisition, validation and correlation of the constitutive models	
	Task 3.2 - Verification and validation of numerical models based on laboratory tests	
	Task 3.3 - Laboratory experiments in EM "Barbara", IPO and INSEMEX	
	Task 3.4 - Numerical simulations and optimization studies of the shaped charge cutting process (shaped charge geometry, mass and effectiveness)	
WP4. Field scale demonstration in insitu conditions		15.20-15.50
WP4	Task 4.1 - Arch support recovery technology	
	Task 4.2 - Complete arch support final test underground (GIG-PIB)	
	Task 4.3 - Technology of demolition of surface facilities of the mine	
	Task 4.4 - Demonstration of operation under real ground conditions	
Coffee Break		15.50-16.00

WP5. Supporting measures		16.00-16.40
WP5	Task 5.1 - Potential Failure mode analysis	
	Task 5.2 - Occupational health and safety risk assessment	
	Task 5.3 - Cost-benefit analysis regarding GHG emissions	
	Task 5.4 - Business case study	
	Task 5.5 - Life cycle assessment and Ecoefficiency analysis	
Next steps to be taken under the project		16.40 -17.00
Closing of the meeting		17.00 -17.10

Following the meeting, a social Dinner will be held at 19.30

Site visit, Mikołów (Poland),

Agenda

DAY 2 26/09/2025

Site visit in Laboratory of Explosives Testing - Conformity Assessment Body / Experimental Mine "Barbara", Podleska 72 Street, 43-190 Mikołów		**10.50-13.20**
SITE VISIT	Site visit in Laboratory of Explosives Testing - Conformity Assessment Body and Experimental mine "Barbara",	
Lunch and closing of the site visit		13.20 -14.00