Objective: to provide an introduction to Health and Safety (H&S) in tunnel construction. The seminar would provide a general overview to be followed by more in-depth sessions on the hazards and risk associated with specific tunnelling techniques, generic safety issues affecting all tunnels and generic health issues arising from tunnelling activity. The seminar is aimed at Clients, Designers and Contractors.

Tentative Programme

Day 1
Session 1: General overview
09.00 – 09.45: Welcome and Opening: ITA and concerned country representatives
09.45 – 10.30: Introduction to H&S from WG5 including video
10.30 – 11.00: Coffee break
11.00 – 11.30: Legislation relevant to host nation, Guidance
11.30 – 12.00: Hazard identification, risk assessment and risk management
12.00 – 12.30: Role of parties to contract, contract requirements for H&S, H&S competence of contractor
12.30 – 14.00: Lunch

Session 2: Hazards and risks associated with different construction methods
14.00 – 14.45: Machine tunnelling in soft ground and hard rock
14.45 – 15.30: Drill & Blast and explosives safety
15.30 – 16.00: Coffee Break
16.00 – 16.45: SCL (roadheaders)
16.45 – 17.30: Hand tunnelling, Shaft sinking, Ground improvement, Compressed air, Membranes, Tunnel services
17.30 – 18.00: Questions and Answers

Day 2
Session 3: Safety in tunnelling construction
09.00 – 09.45: Fire
09.45 – 10.30: Tunnel transport and access
10.30 – 11.00: Coffee break
11.00 – 11.45: Emergency procedures, Communications, Lighting
11.45 – 12.30: Ventilation
12.30 – 14.00: Lunch

Session 4: Health in tunnel construction
14.00 – 14.45: Occupational Health
14.45 – 15.30: Welfare
15.30 – 16.00: Coffee Break
16.00 – 16.30: First aid
16.30 – 17.00: Competence of work force (training)
17.00 – 17.30: Personal Safety, Atmosphere monitoring, self rescuers
17.30 – 18.00: Questions and Closing Remarks