Training session 'Risk Management in Tunnelling'
Wednesday 6 - Thursday 7 September 2017
Double tree Hilton Hotel - Santiago - Chile

Objective: Introduction to the Risk Management process throughout a project lifecycle from the planning, design and construction stages through to the operation of a tunnel or underground project. It is specifically aimed at Owners and Decision Makers, Consulting Engineers, Contractors and others with an interest in risk management activities.

Wednesday 6 September
Session 1: Introduction and Overview on Risk management
09:00 – 09:15: Welcome & opening: ITA & local representatives
09:15 – 10:00: Introduction to Risk Management concepts
10:00 – 10:45: Establishing a risk policy for tunnelling: objectives, timeline, keypoints
10:45 – 11:45: Coffee break
11:15 – 12:00: Specific hazards and risks in tunnelling
12:00 – 12:45: Site investigation – Considerations about uncertainties in geomechanics
12:45 – 14:00: Lunch
Session 2: Implementing a risk management process – Design phase
14:00 – 14:45: Risk Management Plan: content, role and responsibilities, governance and organisation
14:45 – 15:30: Hazard Identification and Risk Assessment during the design steps
15:30 – 16:00: Coffee break
16:00 – 16:45: Risk mitigation during design
16:45 – 17:30: Case study 1: Example of RMP implemented during design stages
17:30 – 18:00: Questions & answers

Thursday 7 September
Session 3: Risk Management during tendering and construction phases
09:00 – 09:45: Sharing risks in contracts - Contractual documentation - Tendering
09:45 – 10:30: Case study 2: Example of contracts with risk sharing
10:30 – 11:00: Coffee break
11:00 – 11:30: The risk approach in the tendering phase from the contractor's point of view
11:30 – 12:30: Role of insurer
12:30 – 14:00: Lunch
Session 4: Construction and contractual aspects
14:00 – 14:45: Risk management plan during construction
14:45 – 15:30: Case study 3: Example of an unforeseen event during construction: contractor's point of view
15:30 – 16:00: Coffee break
16:00 – 16:45: Case study 4: Monitoring and reviewing risks during construction
16:45 – 17:30: Discussion: does RMP manage to avoid disputes?
17:30 – 18:00: Summary & closing of the seminar