Objective: Information for Tunnellers on the main principles of Conventional Tunnelling, including necessary site investigation, design, construction, monitoring and contractual aspects.

Tentative Programme

Day 1

Session 1: Introduction and Site investigation
- 09.00 – 09.45: Welcome and Opening: ITA and concerned country representatives
- 09.45 – 10.30: Principles of Conventional Tunnelling
- 10.30 – 11.00: Coffee break
- 11.00 – 11.45: Site investigation
- 11.45 – 12.30: Design Parameters
- 12.30 – 14.00: Lunch

Session 2: Design aspects
- 14.00 – 14.45: Layout Conception
- 14.45 – 15.30: Design Stages
- 15.30 – 16.00: Coffee Break
- 16.00 – 16.45: Geotechnical and Structural Design steps
- 16.45 – 17.30: Possible Hazards and Counter actions
- 17.30 – 18.00: Questions and Answers

Day 2

Session 3: Construction and Monitoring
- 09.00 – 09.45: Monitoring Schemes
- 09.45 – 10.30: Construction Methods and necessary Equipments
- 10.30 – 11.00: Coffee break
- 11.00 – 11.45: Tunnel Site Organization
- 11.45 – 12.30: Example 1 (including auxiliary methods)
- 12.30 – 14.00: Lunch

Session 4: Management and
- 14.00 – 14.45: Contractual Aspects
- 14.45 – 15.30: Risk and Safety Management
- 15.30 – 16.00: Coffee Break
- 16.00 – 16.45: Advantages/Disadvantages of Conventional Tunnelling
- 16.45 – 17.30: State of the art by ITA WG 19 (Conventional Tunnelling)
- 17.30 – 18.00: Questions and Closing Remarks