

Objective: Information for engineers, architects, planners and public administrators on the benefits and logistics involved in the use of common utility tunnels (users) in urban areas.

Tentative Programme

Day 1

Session 1: Introduction and Overview

- 09.00-09.45: Welcome and Opening: ITA and concerned country representatives
- 09.45-10.30: Introduction
- 10.30-11.00: Coffee Break
- 11.00-11.45: Characteristics of each major utility type (water, sanitary sewer, storm sewer, gas, electric, telecommunications, information/control (e.g. traffic systems), district heating, refuse removal, pneumatic systems, etc.)
- 11.45-12.30: Characteristics (continued)
- 12.30-14.00: Lunch

Session 2: Construction Technologies for Common Utility Tunnels

- 14.00-14.45: Cut-and-cover construction
- 14.45-15.30: Person-entry tunnelling in soil and in rock
- 15.30-16.00: Coffee Break
- 16.00-16.45: Non-person entry methods
- 16.45-17.30: Selection of appropriate installation method
- 17.30-18.00: Questions and Answers

Day 2

Session 3: Decision-making and Design for Users

- 09.00-09.45: Benefits and drawbacks of common utility placement
- 09.45-10.30: Administrative and operational issues for users management
- 10.30-11.00: Coffee break
- 11.00-11.45: Detailed design issues for users
- 11.45-12.30: Maintenance and Repair
- 12.30-14.00: Lunch

Session 4: Case Studies / Creating and Identifying Opportunities

- 14.00-14.45: Worldwide case studies of Users
- 14.45-15.30: When and how to transition from separate to combined utilities
- 15.30-16.00: Coffee Break
- 16.00-16.45: Case studies of the administrative/financial aspects of transition
- 16.45-17.30: Making users more viable (future possibilities)
- 17.30-18.00: Closing Remarks