

The main tunnelling processes

16 October 2019

Nigeria - Abuja

Objective: After a first session dedicated to underground space use, this 2019 seminar aims to go further in the tunnelling processes with a presentation of the major issues related to the design and construction aspects. It will help the clients to understand how to manage underground projects and set up a suitable organisation.

Session 1: Introduction to tunnelling methods

09.00-09.15: Welcome and Opening: ITA and concerned country representatives

09.15-10.00: The main tunnelling methods - Elements for the choice of the construction method (A. Dix)

10.00-10.45: Logistics and environmental impacts (J. Brandl)

10.45-11.15: Coffee Break

11.15-12.00: The main risks in a tunnel project and their management – existing approaches (P. Grasso)

12.00-12.45: Case study 1: Example of mechanized tunnelling (J. Brandl)

12.45-13.00: Questions and answers

13.00-14.00: Lunch

Session 2: Organisation and risk management

14.00-14.45: Case study 2: Example of conventional tunnelling (P. Grasso)

14.45-15.30: The importance of ground investigation (J. Brandl)

15.30-16.00: Coffee Break

16.00-16.45: Governance (A. Dix)

16.45-18.15: Round table on Project Management & Contractual issues

18.15-18.30: Closing remarks