



## **WG 19 – CONVENTIONAL TUNNELLING**

**Animateur:**

**Heinz Ehrbar**

**Vice-Animateur:**

**Robert Galler**

**Tutor:**

**Alexandre Gomes**



# Working Group 19 – Conventional Tunnelling

## Overview on the meeting

Sunday April 24, 2016, 14:15 – 16:45

Meeting chaired by Heinz Ehrbar

18 delegates representing 11 nations

### Main Topics:

- 1. Review on ITA WG 19 activities**
  - Meeting at Dortmund
  - Recommendations on the development process for mined tunnels
  - List of publications
- 2. Election of a new animator => Nasri Munfah, USA**
- 3. Presentations from member nations Jairo Pascoal, Brasil**
- 4. New Projects for WG 19**



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## ITA Report #17 – it's done!

### Content

1. Glossary
2. Summary
3. Introduction
4. Description of the main Project Requirements
5. Project Definition Phase
6. Design Phase
7. Preparation for Construction (Tender Phase)
8. Tasks during the Construction
9. Brief Conclusions
10. References
11. Annex – List of typical and exceptional Projects



# Working Group 19 – Conventional Tunnelling

## Publications of WG 19 since 2004

ITA Report	Title	Year of publication
2	Conventional Tunnelling General Report of the ITA WG 19	2009
13	Guidelines on Special Aspects in Contracts for Conventional Tunnelling	2013
17	Recommendations on the development process of mined tunnels	2016

Elaborating Publications in Working Groups needs time!

The final document represents the opinion of the member nations.

**It's worth to invert the time needed!**

**Many thanks to all delegates and ExCO-members  
and the ITA-Secretariat who always supported our work!**



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## Discussion about new Projects

<b>Guidelines for the Design and Implementation of Conventional Tunnelling in Difficult Ground</b>	✓
<b>Performance of Conventional Tunnelling</b> (incl. case studies), Contribution to ITA-Database	will be supported under clear boundary conditions (e.g. quality assurance)
<b>General conditions for tunnelling (FIDIC)</b> with respect to conventional tunnelling	will be followed up
<b>Risk management / risk sharing</b>	<b>X</b>
<b>Industrialisation (Robotics) and Digitalisation</b> in Conventional Tunnelling	postponed

**Member nations are requested to give a stronger support to the working groups, e.g. by creating national mirror groups!**