

# Colombia



**Name:** Colombian Tunnelling Committee (Comité Colombiano de Túneles)

**Type of structure:** Non-profit association (Asociación sin ánimo de lucro)

**Number of members:** 9 Members, representing more than 2000 engineers

## CURRENT TUNNELLING ACTIVITIES

In Colombia in 2017 several works were carried out in terms of tunnels and the use of underground space. As was expected, many works started in previous years were successfully completed last year.

- The country is also developing works in the El Toyo tunnel that runs for 9.84km at the city of Medellin, and the 2.5km Mulatos tunnel that connects the central coffee region with the city of Medellin.
- The national road 40 which includes the crossing of the Central Cordillera includes the construction of 8.6km of tunnel called

## 2017 ACTIVITIES

The Colombian Tunnelling Committee participated in the WTC 2017, in Norway with members of Working Group 3 (Contractual practices in underground construction) and Working Group 2 (Research)

Some members were part of a joint Task Group (TG 10) currently undertaking an evaluation of FIDIC forms of contracts in order to produce a FIDIC Standard Form of Contract for Underground Construction Projects

Designated by the Colombian Society of Engineers to be part of the review team for the proposed manual for Tunnelling design and construction developed by the National Highway Institute of Colombia. A specific task force has been created within the CCT

### The Colombian Tunnelling Committee has the following local Working Groups:

WG3	Contractual practices in under ground construction
WG6	Maintenance and repair of under ground structures
WG12	Sprayed concrete use
WG15	Underground and environment
WG19	Conventional tunnelling
YM	ITA Young Members Group





La Linea, and 23 additional tunnels. This will improve the connection between the capital Bogota and the main port on the pacific coast - Buenaventura

- Between Bogotá and Villavicencio four tunnels with a total length of 2.21km long were inaugurated.

### FUTURE TUNNELLING ACTIVITIES

The committee will organize the “Tunnelling Symposium” in 2018, in which all Working Groups will participate with topics covered during the year

The committee will publish its first academic article about tunnelling that will be developed with all the Working Group’s research

In 2018 the committee will create the Young Members Working Group and it will promote the participation of young

engineers in the development of the Colombian Tunnelling Committee

### STATISTICS

Vehicle operation costs had a reduction of 30% and transport times decreased by about 20% due to new tunnelling projects.

More than \$1.4M was invested in infrastructure last year in the country. About 25km of tunnels were put into operation in 2017.

Around 180.000 jobs were created in the development of tunnelling works in 2017

