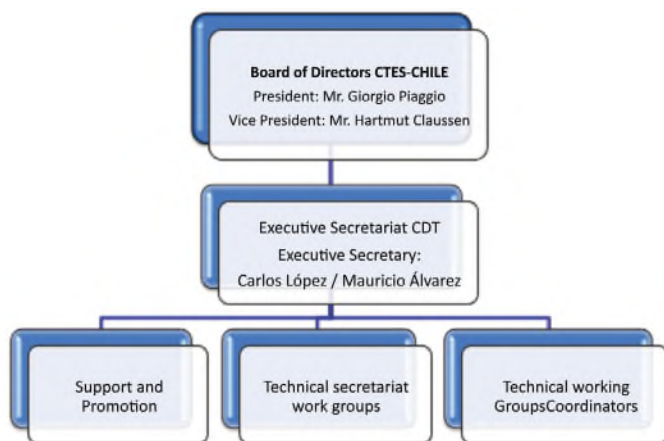


Chile

Name: Chilean Committee for Tunnelling and Underground Space

Type of structure:



Number of members: 103 Members (81 are companies from the industry) Corporate Members: 4 Category Premium, 33 Category Gold, 44 Category Associated and 22 Individual members.

MAIN ACTIVITIES 2017

1.- Seminars and Conferences

- Las Leñas Bi-National Tunnel (Chile-Argentina)
- Development plan for El Teniente-Codelco Mine.
- Base Tunnels in Austria
- Materials and Supplies for Tunnels
- Agua Negra Bi-National Tunnel (Chile-Argentina)
- Development of tunnels for underground mining (Antofagasta)
- International symposium: Large-scale underground projects

2.- Training

- International Workshop – Risk Management in Tunnelling

3. Technical Lectures

- Drilling fluids for tunnels and underground spaces – Company AMC Chile S.A.
- Control of seismic activity in the “El Teniente” mine
- Inspection by laser scanner in tunnels and underground spaces – Company GEOCOM

44. Publications

- 4th version “Guide for materials and products for tunnelling”
- Directory with Companies members of CTES-CHILE 2017.
- “Fundamentos del diseño de túneles”

(“Bases for tunnel design”). Support of CTES-Chile to the authors/publisher.

Project Pipeline:

Project Name	Location	Start Date	End Date
Las Leñas Bi-National Tunnel	Chile-Argentina	2017	2020
Agua Negra Bi-National Tunnel	Chile-Argentina	2017	2020
El Teniente-Codelco Mine	Chile	2017	2020
Base Tunnels in Austria	Austria	2017	2020
Development of tunnels for underground mining	Antofagasta	2017	2020
International symposium: Large-scale underground projects	Various	2017	2020

Project Pipeline:



Infrastructure	Tunnel in Cordoba II (2000m) starting 2017	Construction-start 2017
Energy	Hydropower plant and shafts (over 40 km of tunnels, shafts and caverns)	Under Construction
Energy	Hydropower (in Cordoba, 3.80MW) (2000m)	Under Construction
Energy	HPP Yaballa, Puna/Chiriqui Forest area	Engineering stage
Energy	HPP Mollinobata, C. Bolu/Chiriqui	Construction-start 2017
Energy	Puerto Rico, ENEL: C. Bolu/Chiriqui	Construction-start 2017

Energy	HPP Ruda (130-MW)	Under construction
Energy	HPP Melimaru (200MW) Tunnel (1 km, 4.5 m diameter)	Exploratory gallery (300m) under construction
Energy	HPP Pádel de Aguila and Arandana (200MW)	Engineering stage
Mining	Chupacurata Underground Mine - Access Tunnels, Ventilation tunnels, Deep shafts and inner facilities	Under Construction
Mining	Andina 244 - Conveyor Tunnel	Under construction

Project Pipeline 2017 - Comments:

- The last commodities boom period has pushed forward a large number of massive underground infrastructure projects for the mining sector, together with the development of new power plants, new expansions of the Metro Santiago network and road tunnels. A significant portion of Projects listed in the project pipeline have, so far, been developed to a certain extent. However with the current economic slowdown experienced in the country, several projects have been cancelled, postponed and/or re-structured.
- Anyhow, it is expected that these large mining projects shall continue to be developed, even if at a slower pace. Additionally, the country has an increasing demand for energy, which cannot be covered just by the construction of new hydro-power plants. Public investment in infra-structure, mainly from the Railway Authority (EFE) and the Ministry of Public Works (MOP) are expected as anti-cyclic measures to counteract the economic depression generated by the end of the mining boom.



ACTIVITIES ALREADY SCHEDULED FOR 2018:

- ITACET Workshop on Mechanized Tunnelling
- 5th version of the seminar "Materials and Supplies for Tunnels"
- Participation of the Chilean delegation in WTC2018- Dubai
- National Congress of Tunnels and Underground Space
- Technical lectures (lectures by member-companies during all year)
- Photo awards CTES-Chile 2018
- CTES meeting with academic entities