

# **COSTA RICA**

## **ACTIVITY REPORT 2013**

**Comité Técnico de Obras Subterráneas**

**400 m este del CFIA, mano derecha, Edificio del Régimen de Mutualidad CFIA - CIC, segundo piso, Curridabat, San José, Costa Rica**

**E-mail [mtapia@geomekca.com](mailto:mtapia@geomekca.com)**

**A Technical Committee, which depends on the Costa Rican Geotechnical Association. Its membership is open to any interested people.**

**Comité Técnico de Obras Subterráneas created in 2012 has got 36 individuals members and 4 companies members.**

**During 2013, only hydro tunnels were excavated in Costa Rica. 1 Symposium on Drilling and Blasting. 1 Lecture on Risk Management. 1 Technical visit to a hydro tunnel. 4 meetings of Board of Directors**





## COSTA RICA – Activity Report 2013

Three hydroelectric projects, still under construction, have included the excavation of several tunnels, among headrace tunnels, diversion and auxiliary tunnels.

Only those from Reventazón Hydroelectric project were finished during 2013. The other ones are still in construction and will be terminated on 2014.

These correspond to the hydroelectric projects Cachi and Torito. This last one is being constructed by means of an EPB-TBM. On the other hand, Cachi's tunnel is being partially excavated by means of a road header machine, the first used in Costa Rica.



Aspect of headrace tunnel (conventional excavation), Reventazón Hydroelectric Project



Tunnel excavated by roadheader, Cachi Hydroelectric Project



Access tunnel for Cachi Hydroelectric Project



Tunnel excavated by EPB-TBM at Torito Hydroelectric Project