

South Africa

Name: SANCOT

Type of structure: Functions as a Committee within SAIMM
(South African Institute of Mining and Metallurgy)

Number of members: Corporate: 5, Individual: 20



MAIN ACTIVITIES

a) Progress of local Working Groups:

- Shaft Sinking / Vertical Tunnelling (Jean Walls/D Vogt) – book in progress
- WG12: Sprayed Concrete Durability (Chris Viljoen)
- WG21: Life Cycle Asset Management (Frank Stevens / Monique Wainstein)

b) Participation in ITA Working Groups:

- WG2 Research (Ron Tluczek)
- WG12 Sprayed Concrete Use (Chris Viljoen)
- WG21 Life Cycle Asset Management (Monique Wainstein)

c) Development of Young Professional Forum and participation in ITA-YM (Lucky Nene).

d) Training: Conferences, Technical Talks.

e) Publications, articles, newsletter, webpage, LinkedIn

f) South African Tunnels Database (being updated)

g) Alec Wilson Award was not awarded this year

h) Continued support of Lesotho Tunnelling Society

TUNNELS – UNDERGROUND WORKS

1) Projects in Planning Stage.

- Lesotho Highlands Water Project Phase 2, Polihali dam and 38km tunnel
- Two major Department of Water & Sanitation water transfer schemes: uMkhomazi (Dams with 34km tunnel) and Mzimvubu (Dam with 8km tunnel)
- Gautrain Metro Tunnels Phase 2 and upgrade of Phase 1: Some 30km metro tunnel to expand the present network
- Overvaal railway tunnel – 4km double track adjacent to existing single track

- Airports Company South Africa – tunnels to new midfield terminal
- A number of sea outfalls for desalination projects in Durban and Cape Town.
- Use of micro tunnelling techniques in sewer collector applications



2) Projects under Construction.

- Commissioning of Ingula Pumped Storage Scheme in progress. Target completion is 2017.

FUTURE ACTIVITIES

- Planning a conference on Asset Management in support of the local WG 21 work.
- Continuing work on “State of the Art” on Vertical Tunnelling
- Continuing expansion of SANCOT visibility with publications, conferences, website.
- Development of Young Professional Forum and participation in ITA-YM