

Society, Tunnelling & the use of Underground Space

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Contemporary Issues

- Communication
- Security
- Energy Efficiency
- Climate Change
- Resources
- Risk

How can tunnel & underground solutions help?



London 2005



Tokyo 2000

Metro Security



Loch Ness

Glen Doe Hydro Project
North Scotland
Euro 300 Million



TBM




A network of 9 miles of tunnels has been dug



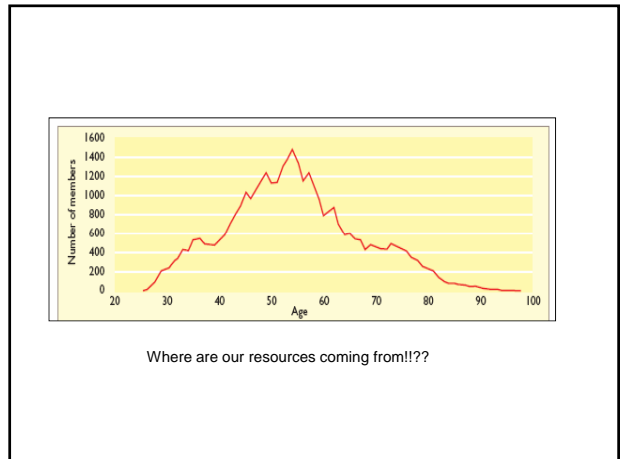
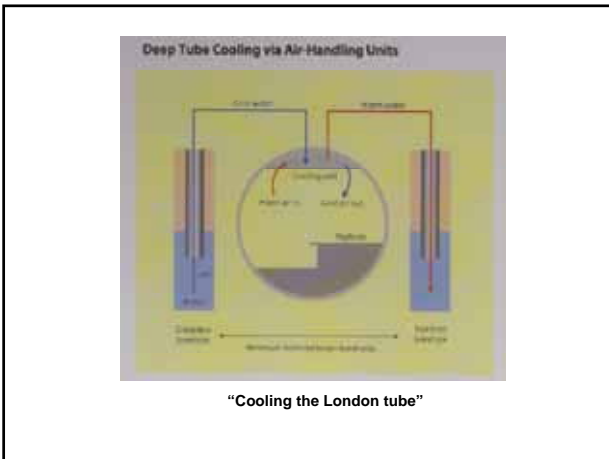
Climate Change
It's getting un bearable!!

Climate Change Issues




Peru needs water supply tunnels

Glacial melting



Risk Management Code



Best practice for managing risk for tunnel and underground projects



CERN
The world's largest
particle physics laboratory