



## WG 20 - URBAN PROBLEMS, UNDERGROUND SOLUTIONS

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## WG 20 Urban Problems – Underground Solutions

- 18 participants with 10 countries represented
  - The Netherlands, Korea, France, Italy, Australia, UK, USA, Japan, India, Norway

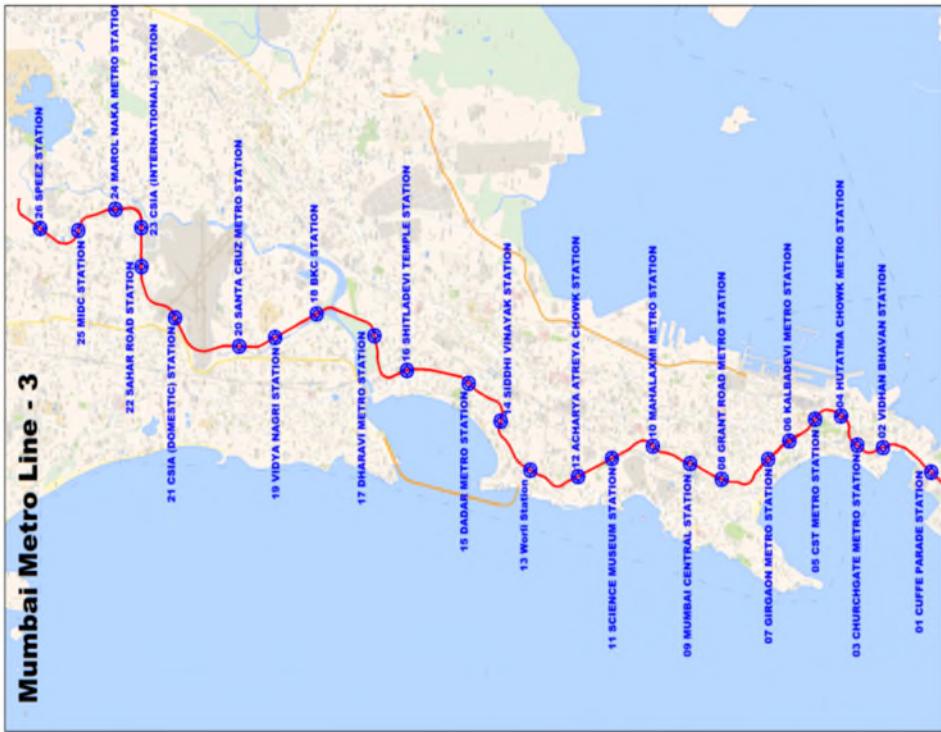
# WG 20 Urban Problems – Underground Solutions

- Highlight the solutions the underground can bring
  - Get more people involved
  - Bring it to a wider audience
  - Set up a web-based survey and search-able database of urban underground projects



# WG 20 Urban Problems – Underground Solutions

## Presentations on Mumbai Metro Line 3 ThinkDeep UK



# WG 20 Urban Problems – Underground Solutions

- Discussed the workflow of the project database at <http://wg.ita-aites.org>

The screenshot shows the ITA Working Groups website interface. At the top, there is a navigation bar with links for 'Log out', 'My profile', 'Projects list', and a green 'Hi Wout Broere,' button. Below the navigation bar, there is a search bar labeled 'SEARCH THE DATABASE' and a 'VISIT ITA WEBSITE' link. On the left, there is a sidebar with 'Main themes' including 'Conventional Tunnelling', 'Urban Problems, Underground Solutions', and 'Life Cycle Asset Management'. The main content area is titled 'PROJECTS DATABASE' and features three project cards: 'LANE COVE TUNNEL' (Sydney, Australia), 'CENTRAL ARTERY' (Boston, United States), and an image of a bridge under construction.

ITA Working Groups  
Online Projects Database

HOME SEARCH THE DATABASE ADD A PROJECT VISIT ITA WEBSITE

PROJECTS DATABASE

Main themes

Conventional Tunnelling  
Urban Problems, Underground Solutions  
Life Cycle Asset Management

Country - Select a country -

Hi Wout Broere,  
Log out  
My profile  
Projects list

LANE COVE TUNNEL  
Sydney, Australia

CENTRAL ARTERY  
Boston, United States



# WG 20 Urban Problems – Underground Solutions

## Panel discussion in the Open Session

### *Success in Urban Underground Space*

- What key factors are needed to make UUS project successful?
- Can we identify the indirect benefits of UUS that drive its success?
- Can these benefits be included early on in the decision making process when considering above ground and underground alternatives?
- How do we communicate success in UUS?