



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



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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 homepage of the ITA Working Groups Online Projects Database. The header includes the logo 'ITA Working Groups' and the text 'Online Projects Database'. A navigation bar contains links for 'HOME', 'SEARCH THE DATABASE', 'ADD A PROJECT', and 'VISIT ITA WEBSITE'. A user profile section for 'Hi Wout Broere' includes 'Log out', 'My profile', and 'Projects list' buttons. The main content area is titled 'PROJECTS DATABASE' and features a search bar, a 'Country' dropdown menu, and a 'Main themes' dropdown menu with options: 'Conventional Tunnelling', 'Urban Problems, Underground Solutions', and 'Life Cycle Asset Management'. Three project cards are displayed: 'CENTRAL ARTERY' in Boston, United States; 'LANE COVE TUNNEL' in Sydney, Australia; and a third project with an image of a tunnel entrance.

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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?