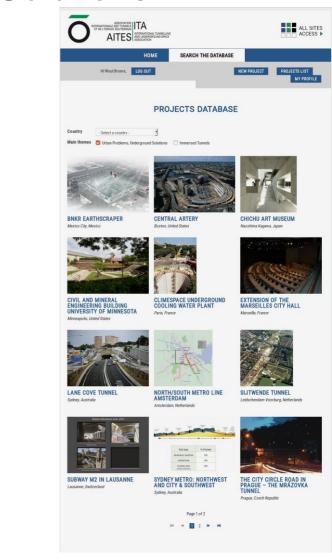


- Animateur : Wout Broere
- Vice Animateur : Damian McGirr, UK
- Tutor : Olivier Vion
- 14 representatives from 10 countries
 - the Netherlands, UK, Iran, Switzerland, Japan, India, USA, Poland, Russia and Nigeria

- Database of projects on ITA website <u>http://wg.ita-aites.org</u>
 - Open to submissions
 - Invitation to enter ITA Awards submissions



- Database of projects on ITA website <u>http://wg.ita-aites.org</u>
- Presentation on large span underground construction method, case Mashad Metro_____

+7.10

+1.00



How can underground spaces enable cities to develop sustainably and become resilient?

- > What are the resilience issues that need to be addressed?
 - > Climate change
 - Flooding
 - > Earthquake
 - > Sea level rise
 - > Tsunami
 - > Pollution
 - > Hurricanes
 - > Terrorism
 - > and others .

- > Current Examples
 - > Rotterdam car park
 - > SMART tunnel
 - > Climespace
 - > Sponge parking



The Plan

- > A document that addresses examples and ideas of how the use of underground space can create resilience
- > Create a short paper on the Terms of reference for this report
- Create a reference list on existing papers/reports on resilience in cities (e.g. 100 resilient cities; rockefeller foundation; cost suburban)
- > Initial ideas on chapters
 - > What is Resilience
 - > What are the threats to resilience
 - > How can underground systems improve resilience
 - > Planning and future infrastructure
 - > Improving existing infrastructure or reuse of existing infrastructure
 - > Multi-use assets
 - > Demonstrate with examples