

Flood Control and Tunnelling
25 November 2017
Shanghai, China

Session 1 - Harald Wagner

09.00-10.20 : Context and global approach:

- Primer on Flooding Vulnerabilities in Urban Areas
- Drainage Tunnels and Development of Resilient Cities
- Urban Flood Risk Management

10.20-10.30 : Questions

10.30-11.00 : *Coffee Break*

Session 2 - Martin Knights

11.00-12.20 : Illustrated case studies:

- Hydro schemes in the Himalayas
- Water transfer scheme in California
- Storm Water flood relief in Washington DC

12.20-12.30 : Questions

12.30-13.30 : *Lunch*

Session 3 - Martin Knights

13.30-14.50 : - Case history 1 : the London Thames Tideway tunnel programme
including:

- context and choice of the solution
- ground investigation
- construction and organisation
- main issues and operation

14.50-15.00 : Questions

15.00-15.30: *Coffee Break*

Session 4 - Harald Wagner

15.30-16.50: - Case history 2 : Bangkok's Megaflood in 2011

- including:
- Disaster Experiences
 - Prevention and Infrastructural Consequences
 - Integrated Urban Flood Risk Management

16.50-17.00: Questions