

FP2 Workshops

FP2 Annual Meeting workshop - 31 August

Goals of the QuakeCoRE Flagship Project 2 workshop:

- Provide an overview of major research on soil liquefaction and its impacts on infrastructure
- Determine how each of the existing individual projects fit together
- Improve collaborations between researchers, industry and stakeholders
- Identify the needs of end-users and industry, gaps in current research efforts, and develop project outlines to fill the gaps in future research
- Develop a prioritisation of the research needs/projects from various perspectives (industry/end-users/stakeholders/researchers)
- Discuss how the research findings from the Flagship Project 2 can be facilitated into updates of codes, guidelines and practice notes and incorporated into practice

AGENDA

1. Introduction and background of the Flagship Project 2 (*Misko / Sjoerd*)
 - 2015 FP2 workshop
 - Three thrust areas in 2015 RfP (no proposals for one area)
 - 2016 Projects
 - Next year's call for proposals – similar to previous round
 - Emphasis on areas not covered so far
 - Continuation of previous studies
 - Purpose and goals of the workshop
2. Overview of the current (2016) FP2 QuakeCoRE research projects
 - [Lateral Spreading](#) - *James / Sarah*
 - [Whakatane case histories](#) - *Sarah / Nick*
 - [Probabilistic assessment](#) – *Virginie*
 - [Partial saturation](#) – *Baki / Misko*
 - [Gravels](#) – *Gabrielle*
 - [Undisturbed sampling of pumaceous soils](#) – *Mark*
 - In-situ characterisation of pumaceous soils – *Rolando*
3. Overview of other major liquefaction based research projects currently being undertaken in New Zealand
 - Characterization of Christchurch soils - *Misko*
 - [Silty soil project](#) – *Jon Bray*
 - VsVp project – *Sjoerd*
 - Lateral spreading – *Misko*
 - Case history based studies from 2010 – 2011 Canterbury Earthquakes
 - Residential land and buildings - *Sjoerd*
 - Pipe networks & bridges – *Misko*
 - Pumaceous Soils - *Rolando*
 - Others studies
 - (NZTA/GNS?) – *Stuart Finland*
 - Liquefaction hazard mapping studies in New Zealand - *Sjoerd*
 - EQC catastrophe liquefaction loss modelling – *Minerva - Sjoerd*
4. Overview of international contribution to New Zealand liquefaction research including research teams, capability, and funding sources
 - Introduction - *Misko*
 - Principal contributors
 - Research teams and areas of research
 - Research capability and funding contribution
 - [Liquefaction evaluation methods](#) – *Russell Green*
 - [CBD buildings](#) – *Jon Bray*
 - [Pipe networks](#) – *Tom O'Rourke*
 - Lateral spreading – *Ellen Rathje*
 - US researchers comments on NZ research in relation to international activities and perspectives – *Russell, Jon, Tom, Ellen*
5. NZTA / EQC / MBIE perspectives on the current liquefaction research projects and perceived future research needed (*Stuart Finland – NZTA, Richard Smith - EQC, John Scott - MBIE*)
6. Discussion of linkages between projects followed by open floor discussion – *Misko/Sjoerd*
 - Improved interaction and collaboration between research teams and projects
 - Research gaps
 - Prioritization for future research

- Other ideas

7. Discussion and summary with smaller groups (parallel sessions)

Group 1 - Stakeholder-focus group (*Sjoerd and Misko*)

- Establish the industry needs and associated gaps in the current liquefaction research projects:
 - Perceived gaps from current researchers
 - Perceived gaps from the industry and building regulators (i.e. NZTA, MBIE, EQC)
 - Prioritization for future research
 - Discuss how the research findings from the Flagship Project 2 can be facilitated into updates of codes, guidelines and practice notes and incorporated into practice
 - Next steps
 - Next round RFP emphasis
 - Report / actions / deliverables

Group 2- QuakeCoRE researchers (*Sarah and Mark*)

- Perceived gaps from current researchers
- Suggestions for the next RFP