

Odd-month “Liquefaction” Meetings

- Run in similar fashion as Flagship Project 2 (QuakeCoRE-1)
- For first few meetings (July, September 2021), focus on:
 - brief summaries of current on-going works
 - perspectives on where current work should progress
 - debates/discussions on significant changes to the current practice that we should pursue

Topics in “Liquefaction” Strand

Works in FP2 (QuakeCoRE-1):

- Advancement of liquefaction assessment methodologies
- Historical evidence of NZ liquefaction
- Dynamic characterisation of NZ’s problematic soils
- Tools and procedures for seismic effective stress analysis

New/emerging topics

Provocative discussions

Today's Presentations

- Invasive seismic geophysical testing for liquefaction studies (Andrew Stolte, UC)
- Tephra-Seismites: New insight into Hamilton's seismic risk (Max Kluger, UoW)
- Stress density model validation: calibration and preliminary 2D results (Majid Zakerinia, UoA)
- Challenges in determining reference input ground motions for site response analyses and applicability to site/basin response analyses in Wellington (Chris de la Torre, UC)
- Investigation of cyclic behaviour of pumiceous sands and silts of the Waikato and Bay of Plenty, and diatomaceous silts of Rotorua (Kim de Graaf, UoW)
- Energy-based liquefaction assessment approach for pumiceous sands (Rolly Orense, UoA) – **only if there is time**

- Please let me know if you don't have anything ready for today, but are keen to present in the next meeting (30th September)