

Distributed Infrastructure RNC/QuakeCoRE

Monthly Meeting
11/6/2018

Summary

- Introductions
- Infrastructure project updates – project leads
- Presentation: “Volcanic hazards and impacts to decision making” Alec Wild
- Presentation: “Criticality assessment and asset health management of electricity infrastructure components factoring resilience” Ebad Rehman
- Discussion

Infrastructure Project Updates

- Short updates from project leads in attendance

Presentations

- Presentation: “Volcanic hazards and impacts to decision making” Alec Wild
- Presentation: “Criticality assessment and asset health management of electricity infrastructure components factoring resilience” Ebad Rehman

RNC1

- Annual Reporting completed in last few weeks
- Infrastructure research projects highlighted in report
 - Transportation: Criticality rating (with RNC Urban)
 - Transportation: Ministry of Transport post-Kaikoura study (with RNC Governance, Trajectories and Rural)
 - Electricity: Resilience framework in SI
 - 3 Waters: Christchurch potable water
 - Wider AF8 collaboration across RNC
- International Science Advisory Group:
 - Infrastructure Toolbox. “The work is excellent, particularly given the resources available and the work is being delivered in a timely fashion and has meaningfully engaged stakeholders. The Group was impressed with the amount and quality of the progress that has been made in developing network models for lifeline infrastructure.”

RNC2 Updates

- RNC2 Structure modification
 - Likely that Buildings and Infrastructure will become its own workstream as part of RNC2
 - More control over Infrastructure research direction across RNC2
 - Current community approach will continue
- Alignment workshop 7th June
 - Development of more integrated projects across RNC2
 - Co-funded PhD projects with other workstreams
- This framing of projects will continue over next few months

Other Updates

- Conferences:
 - IPWEA: 20 June, Rotorua
 - QuakeCoRE Annual Meeting, 3-6 September, Wairakei
 - <http://www.quakecore.nz/annualmeeting/>
 - ISCRAM Asia Pacific 2018, 5-7 November, Wellington - papers by end of month
 - <http://www.confer.co.nz/iscramasiapacific2018/>
 - 9th International Conference of the International Society for Integrated Disaster Risk Management, 2-4 November Sydney – papers open
 - <http://www.idrim.org/>
 - National Lifelines Forum, 15-16 October, Wellington (potential for research day on the 17th)
- Funding
 - BRANZ Building Research Levy

Other Items?

- Wiki:

<https://wiki.canterbury.ac.nz/display/QuakeCore/Special+Project+1%3A+Spatially-distributed+Infrastructure>