

Basin model development and site response

- NZ-wide basin model development using the available methods (Geology/topography, HVSR, Geophysical/Geotechnical testing)
- Refinement of the velocity model using the full waveform tomography using existing strong motion and broadband stations.
- Basin model development using the full waveform tomography technique in smaller scale (ambient noise tomography using temporary deployment of sensor arrays)
- Validation of site response (including basin and topographic effect) simulations based on sensor arrays