

## Panel discussion: Research priorities for TKHE-EG /CASANZ TSIG for 2019

Below table provides a summary of key points discussed.

Panel member	'Top' research priorities for transport emissions 2019
Ian Longley, NIWA	<p>Priority should be on solutions -outcome based research. Look at the benefits of solutions/interventions.</p> <p>A new HAPINZ which better captures transport emissions and strategic air quality monitoring network to support this.</p> <p>Land use planning and transport integration -urban design/network design.</p>
Janet Petersen, NZTA	<p>Land use planning and transport -tools to help make decisions on interventions.</p> <p>Health impacts assessment (new HAPINZ) -appropriately valuing impacts in decision making.</p>
Paul Boulter, ERM	<p>Moving towards solutions -encouraging uptake of EVs.</p> <p>Non-exhaust particulates are of increasing importance (should be higher priority).</p>
Drew Bingham, MfE	<p>In relation to environmental reporting: understanding impacts from transport emissions. NO2 health and social impacts (New HAPINZ). Gaps in monitoring.</p>
Tamsin Mitchell, GWRC	<p>Regional Council perspective: Development of air quality indicators relevant to transport. Air quality monitoring (especially black carbon) and modelling of transport emissions. Embed air quality with sustainable transport part of the Council. Use air quality knowledge to drive interventions within Councils. Communication of science – data visualisation for education purposes.</p>
Iain McGlinchy, MoT	<p>All identified priorities are important. In particular: new HAPINZ, land use planning (e.g. bus corridors), heavy vehicles emissions in NZ (e.g. further work around retrofit).</p>
Floor discussion (summary)	<p>Land use planning -influencing planning at local level, location of residential development/ urban intensification, urban design -walking and cycling, healthy lifestyles.</p> <p>Health impacts -New HAPINZ needed</p> <p>National planning standards</p> <p>Outcomes focus -EV incentives, low emission buses</p> <p>Heavy vehicles. Rail freight – more efficient transfer (hubs). Communicating value of rail.</p> <p>Indoor air quality -criteria needed around this, especially for schools and early learning centres.</p>