

## SIG Research Priorities

DATE	As at 1 June 2015	
SIG:	<b>Regional Waste and Contaminated Land</b>	
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RESEARCH PRIORITIES	Ranking	Priority
	1	<p>Risk assessment to support the management of waste and contaminated land</p> <ul style="list-style-type: none"> <li>• Monitoring and predicting environmental concentrations and effects. fate and transport of hazardous substances - Behaviour of contaminants in NZ soils / under NZ conditions – conceptual models – passive sampling etc</li> <li>• Review and assessment of emerging developments in in-situ analysis and laboratory analysis of contaminants i.e. more affordable investigation and monitoring methods.</li> <li>• Understanding legal, social, economic and ethical issues related to waste and contaminated land – environmental stewardship – dealing with uncertainty – property rights and values vs conservation and public interest/good (for example human health – right to know etc)</li> </ul>
	2	<p>Cost-effective innovative technologies</p> <ul style="list-style-type: none"> <li>• Controlling organic/inorganic and hazardous waste, site characterisation and remediation (from hot spots to large sites) – bioremediation, in-situ remediation, natural attenuation – life cycle assessment</li> <li>• Reducing impact and need of landfills – support product stewardship schemes and waste-based businesses – new business opportunities (economic feasibility of new technology)</li> <li>• Reducing impact and need of land application of waste products – energy conversion from organic waste?</li> <li>• Reducing impact of spills (e.g. Rena?)</li> <li>• Information sharing and reporting – indicators, national database</li> </ul>
OTHER INFORMATION:	“Contaminated land and waste draft research priorities” (March 2015)	