

## Malcolm Peterson Scott

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Kia ora Greg,

I'd like to provide my endorsement for the Climate Engineering Impacts on New Zealand (CLEINZ) proposal. Since 2015 I have been in regular correspondence with the Ministry for the Environment about the establishment of a regulatory framework for the governance of geoengineering in New Zealand (particularly atmospheric geoengineering – SRM), but according to Minister David Parker the ministry has made no progress whatsoever in this regard.<sup>1</sup> I am particularly concerned about the possible psychosocial and cultural impacts of SRM technologies, and research undertaken at Massey University by Wright *et al.* (2014) about public awareness of climate engineering found that “as SRM techniques become more widely known they are more likely to elicit negative reactions” (p.106).<sup>2</sup> There are also numerous environmental and public health risks associated with deliberation of aerosols into the atmosphere for SRM (Effiong & Neitzel, 2016; Whiteside & Herndon, 2018).<sup>3</sup>

In many respects aerosol geoengineering technologies are a ‘genie in a bottle’ that once ‘released’ may have long term and possibly catastrophic consequences. For these reasons it is vital that New Zealand take a responsible approach to geoengineering technologies, and that sound governance structures are established through public consultation and participation with particular attention to obligations to the Treaty of Waitangi and Te Ao Māori.

Kind regards,



Malcolm Scott

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<sup>1</sup> David Parker, Minister for the Environment, 16 May 2018 (Letter Ref: COR1477).

<sup>2</sup> Wright M.J., Teagle D.A.H., Feetham, P.M. (2014). A quantitative evaluation of the public response to climate engineering. *Nature Climate Change* 4, 106-110.

<sup>3</sup> Effiong, U., and Neitzel, R. L. (2016). Assessing the direct occupational and public health impacts of solar radiation management with stratospheric aerosols. *Environmental Health*, 15:7.

Whiteside, M., Herndon, J. M. (2018). Aerosolized coal fly ash: risk factor for COPD and respiratory disease. *Journal of Advances in Medicine and Medical Research*, 26 (7), 1-13.