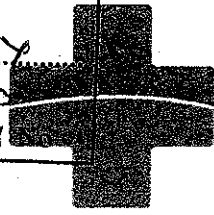


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Doctors for the Environment Australia

February 2020

- Climate change is a critical global threat
- The hazards to health arise from increasing global temperatures, increased extreme weather events, worsening droughts, increased allergic disease, reduced access to nutritional food and mental health impacts.
- Current Australian fossil fuel exports comprise 3.6% of global greenhouse gas emissions (see Graph)
- Assessing the health impact of fossil fuel extractive projects in NSW includes an assessment of the downstream or Scope 3 greenhouse gas emissions due to their effect on climate change
- Barring consent authorities from assessing downstream greenhouse gas emissions of major projects prevents them from appropriately protecting the health of NSW residents from climate change

The results of this analysis show if current government and industry projections for fossil fuel exports are realised, Australia could be responsible (including both domestic and exported emissions) for about 13% (between 11.9% – 17.4%) of Paris Agreement compatible global CO₂ emissions in 2030¹⁷. By far the largest growth would be coming from coal exports.

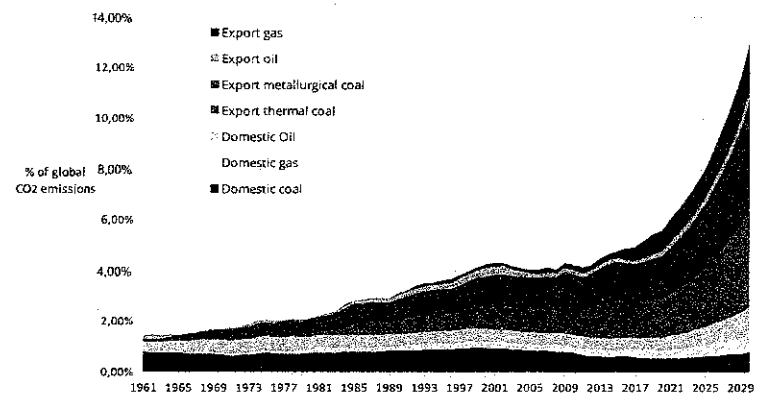


Figure 16 - Australia's domestic and exported emissions as share of global emissions. The percentage of global emissions prior to 2017 are historical and with respect to global CO₂ emissions from fossil fuels and cement in each year. After 2017 emissions are based on domestic and export projections as described in the report and are expressed with respect to a global CO₂ emissions pathway consistent with the Paris Agreement 1.5°C limit as reported in the IPCC Special Report on 1.5°C involving a 45% reduction in CO₂ emissions by 2030 from 2010 levels. In addition to CO₂ combustion emissions, fugitive CO₂ and CH₄ emissions related to fossil fuel production and use in Australia are included.

Source: Parra et. al: *Evaluating the significance of Australia's global fossil fuel carbon footprint.*
 Climate Analytics. July 2019