

Earth4All

A system dynamics based modelling framework

Combining economy, natural world and social systems

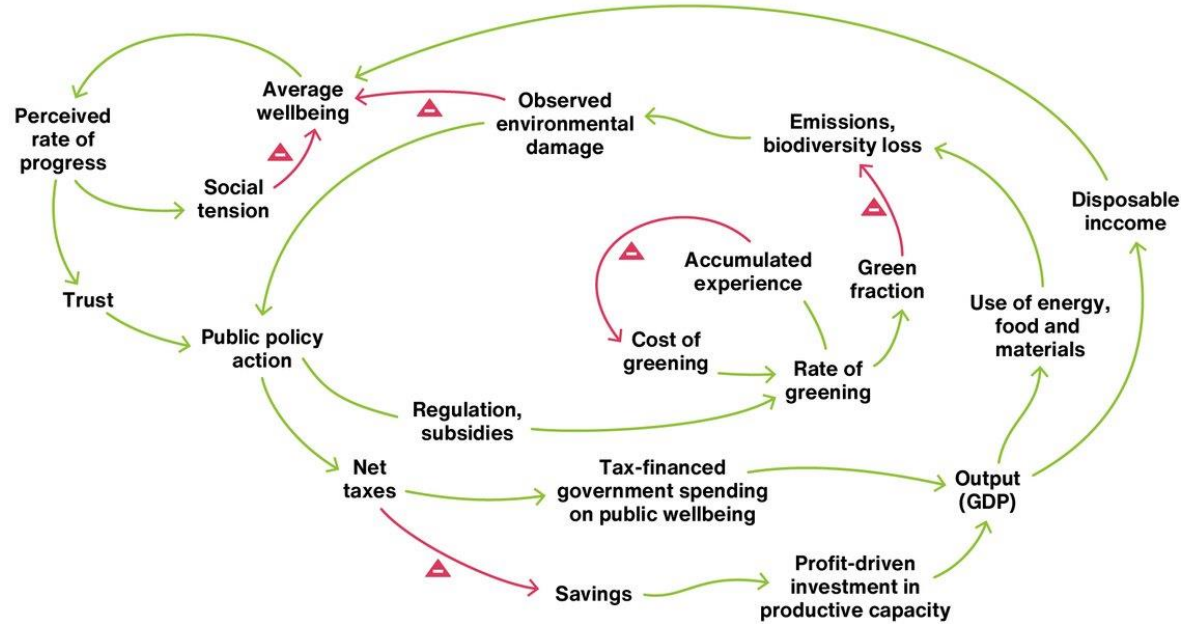
Nathalie Spittler

23 Nov 2023

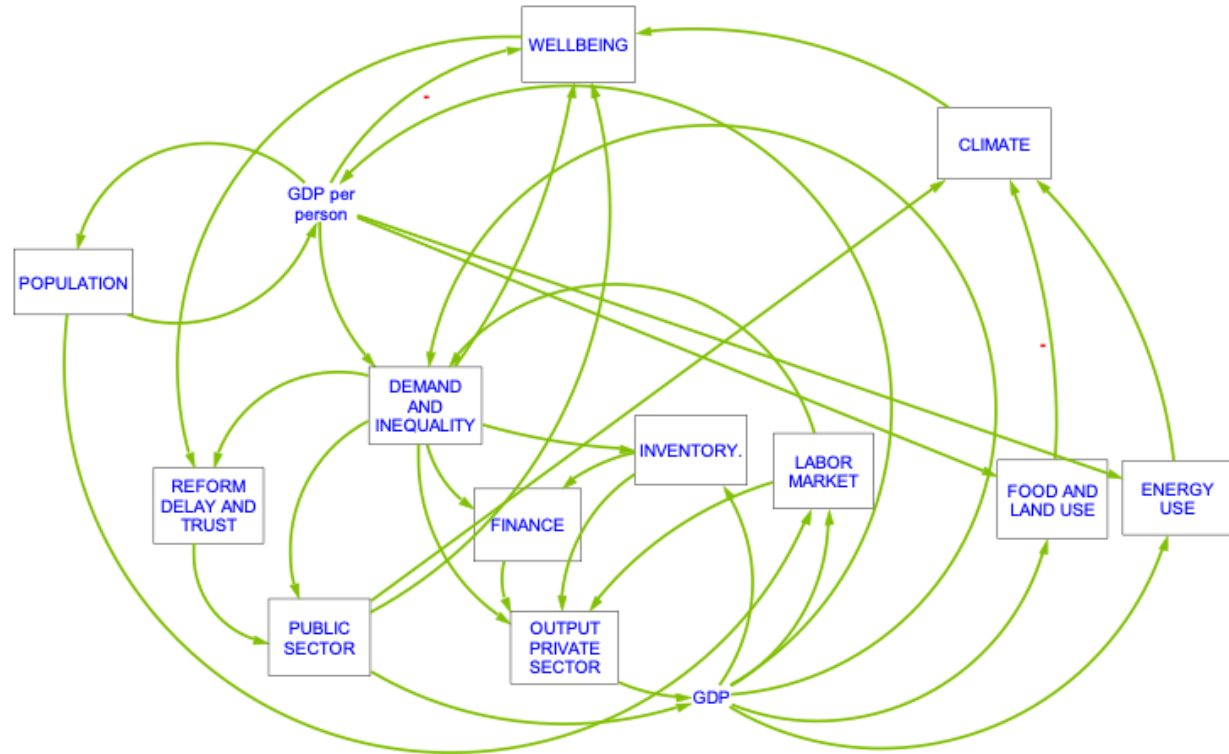


The global Earth4All model

Main causal relations

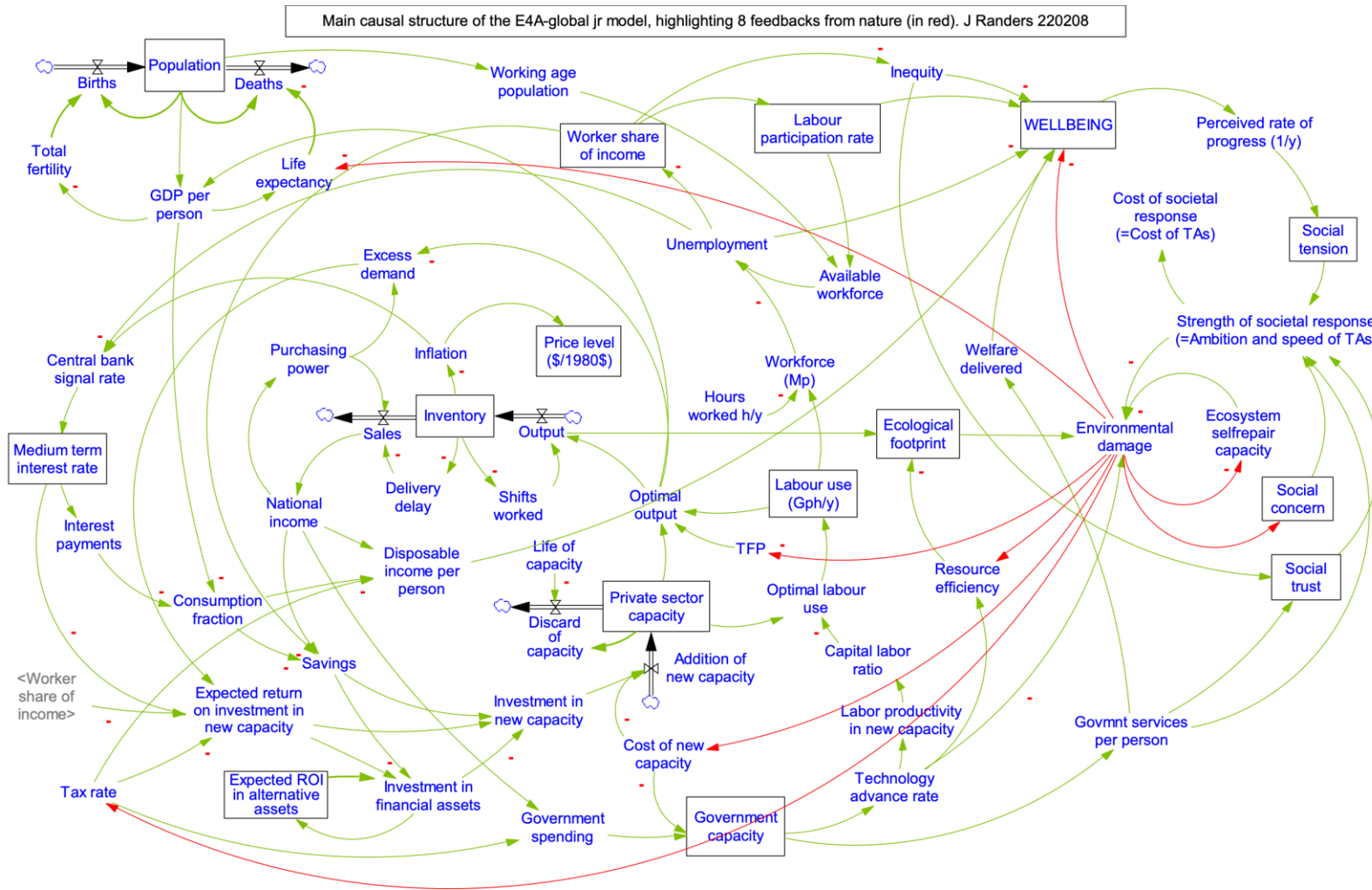


Sectors

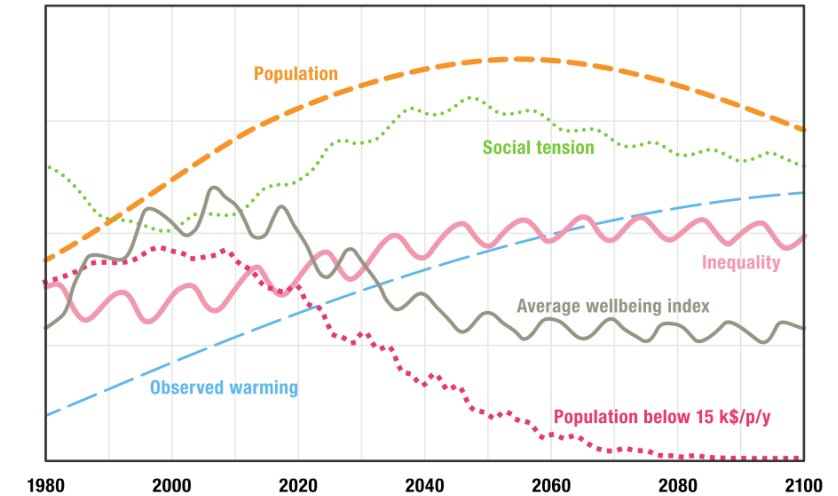


A tool to consistently ASSESS and QUANTIFY the econ-socio-bio-system dynamics and the impacts of 5 extraordinary actions (Poverty, Inequality, Empowerment, Food and Energy)

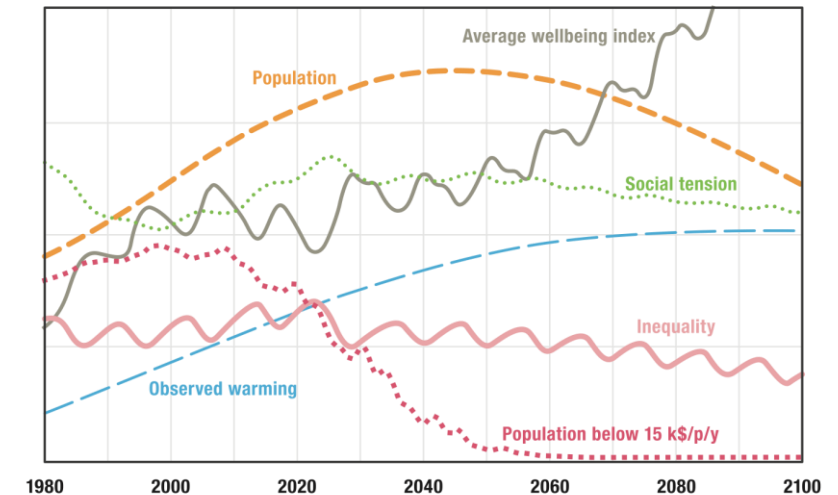
RAPIDLY REDUCE SOCIAL TENSION



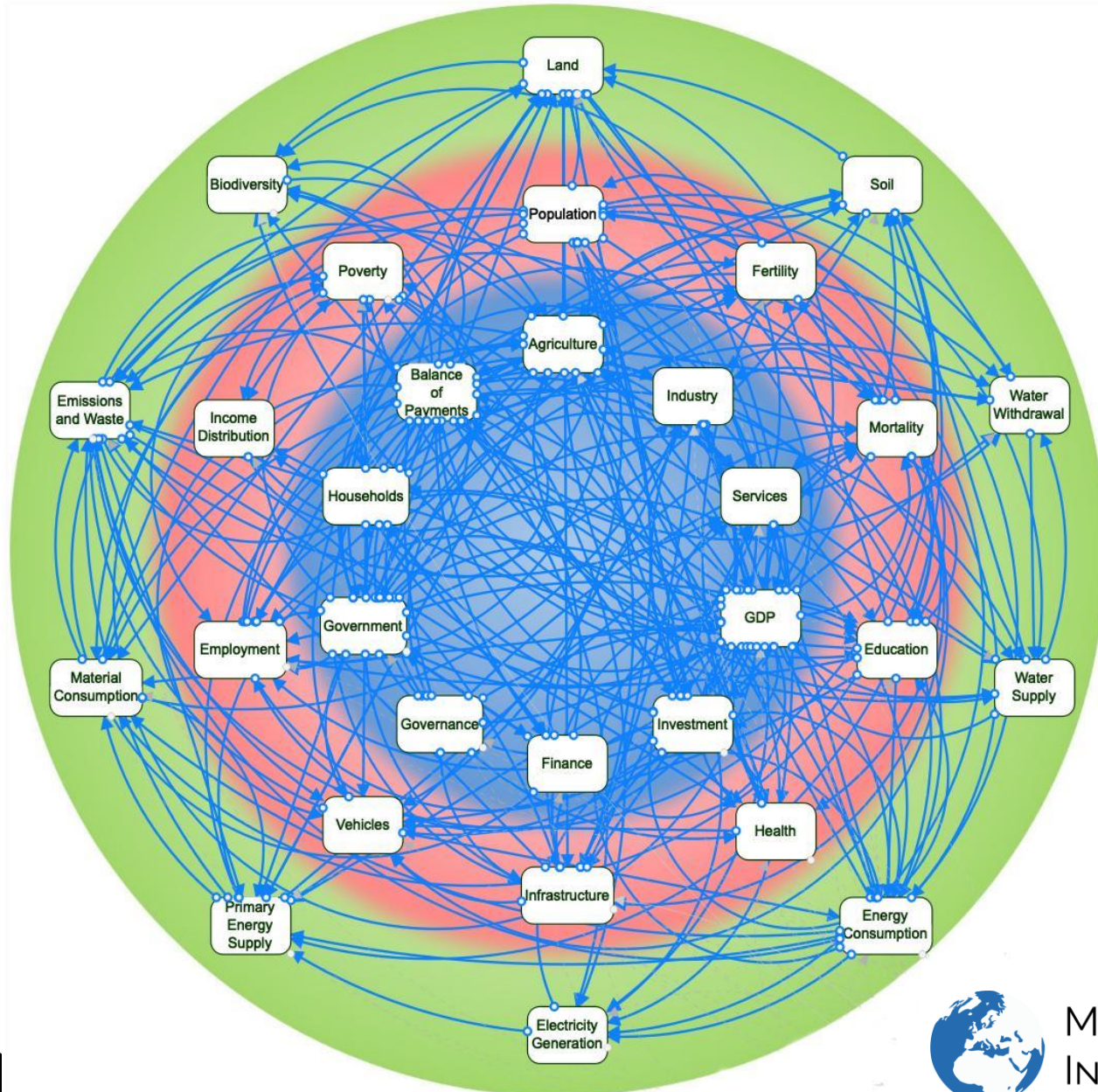
Too little too late scenario



Giant leap scenario



The national iSDG model



Allen, C. *et al.* (2019) 'Greater gains for Australia by tackling all SDGs but the last steps will be the most challenging', *Nature Sustainability*, 2(11), pp. 1041–1050. doi: 10.1038/s41893-019-0409-9.



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