

Barney Foran

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Barney Foran covers the big picture sustainability issues of energy, greenhouse, human population, lifestyle, water, biodiversity and land use. Currently he focuses on future designs for Australia's economy that will ensure moderate rates of economic productivity and energy security combined with the rapid transition to a low carbon economy. The *Powerful Choices*¹ study testing some of these options has been released recently by Land and Water Australia.

He has degrees in agriculture and ecology which led to professional eras spanning rangeland ecology, agricultural systems, environmental science and long term analysis of Australia's physical economy. He led research teams in CSIRO's Resource Futures group which produced long term analyses of Australia's physical economy focusing on human population (*Future Dilemmas*)², marine fisheries (*Fish Futures*)³, land and water (*Decision Points*) and a triple bottom line analysis of the Australian economy (*Balancing Act*)⁴. His work on human population led to a number of high profile media appearances including the Four Corners program *Search for a Supermodel*⁵ and subsequent stories such as *The Greenhouse Mafia*⁶.

Barney now lives in North East Victoria and is a research fellow at the Institute for Land Water and Society at Charles Sturt University in Albury. As well as his nationally scaled work on energy and greenhouse he is a member of Indigo Shire's environmental advisory committee⁷ and also contributes to the work of local sustainability groups. Barney's family are recent blow-ins to North East Victoria and live as typical tree changers involved in Landcare rehabilitation projects, planting forests, growing fruit and vegies and drinking coffee on the veranda.

Recent Publications

Foran B (in press). Low carbon transition options for Australia. *Journal of Ecological Modelling* 2011

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¹ Foran B (2009). *Powerful Choices: The Transition to a Low Carbon Economy*. <http://lwa.gov.au/products/pn30178> accessed 16-7-2009

² Foran BD and Poldy F (2002). *Future Dilemmas: Options to 2050 for Australia's Population, Technology, Resources and Environment*. Consultancy project report for the Federal Department of Immigration, Multicultural and Indigenous Affairs. October 2002, 336pp. <http://www.cse.csiro.au/publications/2002/fulldilemmasreport02-01.pdf> accessed 16-7-2009

³ Kearney B, Foran B, Poldy F and Lowe D (2003). *Modelling Australia's Fisheries to 2050: Policy and Management Implications*. Research consultancy report for the Fisheries Research and Development Corporation, March 2003, 38pp. <http://www.cse.csiro.au/research/futures/fishfutures/index.htm> accessed 16-7-2009

⁴ Foran B, Lenzen M and Dey, C (2005). *Balancing Act: A Triple Bottom Line Analysis of the Australian Economy*. Consultancy project report for the Federal Department of Environment and Heritage. May 2005, 800pp. <http://www.csiro.au/resources/BalancingAct.html> accessed 16-7-2009

⁵ Fullerton T (2002). Search for a Supermodel. Four Corners broadcast 5/11/2002. http://www.abc.net.au/4corners/archives/2002b_Tuesday5November2002.htm accessed 16-7-2009

⁶ Cohen J (2006). The Greenhouse Mafia. Four Corners broadcast 13/2/2006
<http://www.abc.net.au/4corners/content/2006/s1566257.htm> accessed 13-2-2006

⁷ Indigo Shire (2009). Greenhouse Action Plan. See Appendix on household responses.
<http://www.indigoshire.vic.gov.au/residents/natural-resource-management/greenhouse/?searchterm=greenhouse%20action%20plan> accessed 16-7-2009