

DR GREGORY PETERS

POSITION

Program Manager Sustainability Assessment, WRC

PEN PICTURE

Greg's work is about enhancing life cycle inventory data and sustainability assessment tools; and broadening their application in industry. Greg has 10 years' experience in life cycle assessment, environmental impact assessment, ecological footprint analysis and corporate environmental reporting. He has managed large research projects in the government and university sectors and negotiated compromises between engineers and environmental scientists to ensure sustainable project delivery in the construction sector. Greg was re-elected President of the Australian Life Cycle Assessment Society (ALCAS) in 2008, is the Chair of the LCIA Development Committee of the Australian LCI Database Initiative and a member of the UNEP/SETAC Life Cycle Initiative Working Group on Assessment of Freshwater Use and Consumption. He was selected as a member of the CSIRO Timber LCI Technical Steering Committee.

EXPERIENCE SUMMARY

- Major research projects to improve LCI data and LCIA for the timber and meat industries.
- Development methods for including LCA in a flexible environmental management system.
- Greenhouse gas emissions forecasts for Sydney Water's response to climate change.
- Management of the first complete LCA of an Australian metropolitan water service provider
- Direction of a project to examine the need, scope and potential for the development of LCI databases for the Australian plastics industry.

QUALIFICATIONS

1993	Sydney University	BE (Hons1)	Chemical Engineering
2000	Sydney University	PhD	Environmental Engineering

RESEARCH OUTPUT SAMPLE

Blackburn N, Peters GM (2009) *LCA comparison of an 'atmospheric water generator' with a bottled water cooler*. Sixth Australian Conference on Life Cycle Assessment, Melbourne, 16-19 February.

Peters GM, Rowley HV (2008) Environmental comparison of biosolids management systems using life cycle assessment. *Environmental Science and Technology*, 43 (8), 2674-2679

Peters G, Sack F, Lenzen M, Lundie S, Gallego B. (2008) Towards a deeper and broader ecological footprint. *Engineering Sustainability*, 161(1)31-37.

Lundie S, Peters GM, Rowley HV, Schulz M, Salem J. (2008) Environmental preferences in refrigerant selection for domestic air conditioning, *Proceedings of 15th CIRP International Conference on Life Cycle Engineering*, Sydney, 17 - 19 March 2008. ISBN: 1 877040 68 1.

Lundie S, Peters G, Ashbolt N, Lai E, Livingston, D. (2006) A sustainability framework for the Australian water industry. *Water*, 33(7)83-88. ISSN 0310-0367, November 2006. Australian Water Association, Sydney

Lundie S, Peters GM. (2005) Life cycle assessment of food waste management options. *Journal of Cleaner Production*, 13:275-286.

Lundie S, Peters G, Beavis P (2004) Life cycle assessment for sustainable metropolitan water systems planning – options for ecological sustainability. *Environmental Science and Technology*, 38(13)3465 – 3473.