

Dr Karli James
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CURRENT RESPONSIBILITIES

Karli has been working with the Centre for Design at RMIT University since November 2002. Since joining the Centre, Karli has worked on projects in the Life Cycle Assessment and Sustainable Products programs. She is now the Program Manager for the Sustainable Products Program.

Completed projects (2003/4) include:

- Life cycle assessment research for Dulux Australia (November 2004).
- Life cycle assessment research for City of Melbourne (November 2004).
- Environmental rating matrix for Laine Furnishings (June 2004).
- Life cycle assessment research for Cadbury Schweppes (June 2004).
- Life Cycle Assessment of Plantic Biodegradable Plastics compared with conventional plastics for Plantic Technologies (2004)
- The Impacts of Degradable Plastics in Australia for the Department of Environment and Heritage (2003).
- Life Cycle Assessment of Waste and Resource Recovery Options (including energy recovery) for EcoRecycle Victoria (2003).

Projects that Karli is currently involved in include:

- Developing environmental packaging checklist and guidelines for packaging technologist and marketers at Nestle Oceania;
- Developing and running training courses in sustainable packaging;
- Developing the methodology and conducting projects within the Industrial Packaging Supply Chain Project – (a) Charlwood Design and Hafele Australia; (b) Australand, Village Park Consortium and Austral Bricks; and (c) National Foods Limited, 3M, Safetech, P&O Cold Logistics, Woolworths.

Prior to working at the Centre for Design, Karli was LCA Researcher at the Centre for Packaging, Transportation and Storage at Victoria University on behalf of the Co-Operative Research Centre for International Food Manufacture and Packaging Science. She worked for six years on packaging LCA projects and completed her PhD thesis titled "Environmental life cycle costs in the Australian food packaging supply chain" through the School of Accounting and Finance at Victoria University. A copy of her thesis can be downloaded at the bottom of this screen.

QUALIFICATIONS

- Doctor of Philosophy (March 2003) Environmental life cycle costs in the Australian food packaging supply chain, School of Accounting and Finance, Victoria University.
- Bachelor of Science (with Honours), Deakin University, Rusden Campus (1996).
- Bachelor of Applied Science in Environmental Management of Hazardous Materials, Deakin University, Rusden Campus (1993-95).

MEMBERSHIPS

Member of the Australian Life Cycle Assessment Society (ALCAS)

Member of the Society of Environmental Toxicology and Chemistry (SETAC)

Associate Member of the Australian Institute of Packaging (AIP)

REPRESENTATION ON COMMITTEES/WORKING GROUPS

- Founding Secretary of the Australian Life Cycle Assessment Society (2001-present).
- Leader of sub-group 7 of the SETAC-Europe Life Cycle Costing working group (2002-present).
- Member of the UNEP/SETAC Life Cycle Initiative Life Cycle Management Working Group (2004-present).
- Secretary of the Victorian Branch of the Australian Institute of Packaging (1999-2003).
- Member of the Organising Committee for the Australian Institute of Packaging National Conference "Packaging Clean and Green" held in Melbourne, March 21-22, 2002.
- Active member of the SETAC-Europe "Data Quality and Availability" working group (1999-2001).
- Secretariat of the International Association of Packaging Research Institutes (IAPRI) Environment and Packaging Working Group (1997-2002).

AWARDS

- National Distinguished Service Award from the Australian Institute of Packaging (May 2002).
- Best Presentation at the 19th IAPRI Symposium - Packaging 2000, Rochester Institute of Technology, New York, USA (June 1998).

Karli L James Publication List – as of 29 June 2004

James, Karli L (2003) *Environmental life cycle costs in the Australian food packaging supply chain*, PhD Thesis, School of Accounting and Finance, Victoria University, Melbourne.

1. Publications - Reports

James, Karli (2004) *Environmental Rating Matrix for Textile Fabrics*, Confidential Report to Laine Furnishings, June.

James, Karli (2004) *Streamlined Life Cycle Assessment of Chocolate Wrappers Packaging Systems*, Confidential Report for Cadbury Schweppes, June.

Lewis, Helen., **James, Karli.**, and Sonneveld, Kees., (2003) *Sustainable Packaging Training Course Material*, Centre for Design at RMIT University and Sustainable Packaging Alliance, October.

James, Karli., and Grant, Tim., (2003) *Streamlined Life Cycle Assessment on Plantic™ biodegradable plastic packaging systems versus conventional plastic packaging systems*, Final Report to Plantic Technologies Ltd, September.

ExcelPlas Australia, Centre for Design RMIT and Nolan ITU (Authors: John Scheirs, Helen Lewis, Tim Grant, **Karli James**, Peter Allen and Vanessa Lenihan) (2003) *The Impacts of degradable plastic bags in Australia*, Final Report to Department of the Environment and Heritage, September.

Grant, Tim., Hallman, Mark., and **James, Karli.**, (2003) *Streamlined Life Cycle Assessment of Powder Coats*, Confidential Report for Dulux Australia, August.

Grant, Tim., **James, Karli L.**, Partl, Hannes., (2003) *Life Cycle Assessment of Waste and Resource Recovery Options (including energy from waste)*. Report to EcoRecycle Victoria, April.

Grant, Tim., **James, Karli L.**, Lundie, Sven., Sonneveld, Kees., and Beavis, Paul (2001) *Life Cycle Assessment of Paper and Packaging Waste Management Scenarios in New South Wales Final Report*, Centre for Design, RMIT, Centre for Packaging, Transportation and Storage at VU and Centre for Water and Waste Technology, UNSW, December.

James, Karli., Afsharmanesh, Nadereh and Sonneveld, Kees (2001) *Life Cycle Assessment of Polystyrene Packaging Systems: General Purpose Polystyrene Foamed (GPPSf) Meat Trays. Final Report*, Prepared for Polystyrene Australia, Centre for Packaging, Transportation and Storage Victoria University, 2 November.

James, Karli., Cran, Marlene and Sonneveld, Kees (2001) *Life Cycle Assessment of Polystyrene Packaging Systems: High Impact Polystyrene (HIPS) Yoghurt Tubs. Final Report*, Prepared for Polystyrene Australia, Centre for Packaging, Transportation and Storage Victoria University, 2 November.

Grant, Tim., **James, Karli L.**, Lundie, Sven., Sonneveld, Kees., (2001) *Life Cycle Assessment of Paper and Packaging Waste Management Scenarios in Victoria (Stage 2) Final Report*, Centre for Design, RMIT, Centre for Packaging, Transportation and Storage at VU and Centre for Water and Waste Technology, UNSW, January.

Van Hoof, Gert., de Beaufort, Angeline., Hochfeld, Christian., **James, Karli L.**, (2001) SETAC Working Group: Data Availability and Quality, *Subgroup 1: Driving Forces for Data Exchange Final Report*, SETAC Europe.

Grant, Tim., **James, Karli L.**, Lundie, Sven., Sonneveld, Kees., (2001) *Life Cycle Assessment of Paper and Packaging Waste Management Scenarios in New South Wales, Draft Final Report*, Centre for Design, RMIT, Centre for Packaging, Transportation and Storage at VU and Centre for Water and Waste Technology, UNSW, May.

Lundie, S., **James, K.L.**, Sonneveld, K., Grant, T., (2000) State of Life Cycle Energy Analysis in Australia, for the Australian Greenhouse Office, Centre for Water and Waste Technology, UNSW, April.

Grant, T., **James, K.L.**, Dimova, C., Sonneveld, K., Tabor, A., Lundie, S., (1999) Stage 1 Report for Life Cycle Assessment of Packaging Waste Management in Victoria, for Eco Recycle Victoria, November

James, K.L., Sonneveld, K., (1999) Main Report, Comparative Life Cycle Inventory (LCI), Meat Tray Packaging Systems, GPPSf and PET, Prepared for ACI Plastic Packaging through the Food and Packaging CRC Program E, August, p 119

James, K. L. (1999). The Integration of Life Cycle Assessment and Life Cycle Costing for food packaging applications. Candidature Paper for the Department of Accounting and Finance. Melbourne, Victoria University of Technology: 27, August.

Centre for Packaging, Transportation and Storage, (1998), Syllabus for Life Cycle Assessment in the packaging chain - Industry Training Workshop, Vol I and II, Victoria University of Technology, Melbourne.

Centre for Packaging, Transportation and Storage, (1998), Life Cycle Assessment in the packaging chain – Industry Training Workshop, Final Report to EcoRecycle Victoria, Victoria University of Technology, Melbourne.

James, K.L., (1996), A Use of Life Cycle Assessment - Product Comparison or Product Environmental Improvements, Honours Thesis, Deakin University, November.

2. Publications - Journal articles (peer reviewed)

Lewis, Helen, **James, Karli** and Carroll, Brett (2004) Implementing EcoDesign in the Australian packaging industry, Journal of Cleaner Production, Submitted

James, Karli and Grant, Tim (2004) Life cycle assessment of alternative residual and organic waste fractions in Victoria, Australia, International Journal of Life Cycle Assessment Submitted.

James, Karli., and O'Donovan, Gary., (2003) Environmental accounting in the Australian packaging supply chain, Accounting Forum Submitted.

James, Karli (2002) The National Packaging Covenant. Journal of the Asia Pacific Centre for Environmental Accountability, Vol 8, No. 3, September, Australian National University.

James, Karli., Grant, Tim., and Sonneveld, Kees (2002) Stakeholder Involvement in Australian Paper and Packaging Waste Management LCA Study, International Journal of Life Cycle Assessment, DOI: <http://dx.doi.org/10.1065/lca2001.12.070>, 7 (3) 151-157 (2002).

3. Publications - Journal articles

James, Karli (2004) ALCAS Corner: New Activities, International Journal of Life Cycle Assessment, 9 (1) 68

James, Karli (2003) Environmental Life Cycle Costs in the Australian Food Packaging Supply Chain, International Journal of Life Cycle Assessment, 8 (4) 243

James, Karli (2003) ALCAS Corner: Water Issues in Australia - An LCA Perspective. Summary of presentations made at the ALCAS LCA Roundtable held Wednesday 7th May 2003, International Journal of Life Cycle Assessment 8 (4) 242

James, Karli., Beavis, Paul and Grant, Tim (2003) Reflections upon 2002 and looking ahead to 2003, ALCAS Corner, International Journal of Life Cycle Assessment, 8 (1) 49.

Grant, Tim and **James, Karli** (2002) Australian LCA Society (ALCAS), International Journal of Life Cycle Assessment, 7 (3) 177.

James, Karli and Grant, Tim (2002) What's Happening In Australia? International Journal of Life Cycle Assessment, 7 (1) 4.

Grant, Tim., **James, Karli.**, Lundie, Sven (2001) ALCAS: Australian LCA Society, International Journal of Life Cycle Assessment, 6 (6) 323-324.

Van Hoof, Gert., de Beaufort, Angeline., Hochfeld, Christian., **James, Karli L.**, (2001) SETAC Working Group: Data Availability and Quality, *Subgroup 1: Driving Forces for Data Exchange Final Report*, International Journal of Life Cycle Assessment, 6 (3) 133-134.

James, Karli L. (2000) IAPRI Environment Working Group Conference Report, Packaging Technology and Science, 13: 177-179.

4. Publications in Conference proceedings

James, Karli L (2003) Environmental Accounting in the Australian Food Packaging Supply Chain, Paper presented at the 2nd CSEAR Australian Summer School, Charles Sturt University, Bathurst 27-29 April 2003.

James, Karli., O'Donovan, Gary., Kloot, Louise., Sonneveld, Kees., (2002) Environmental Issues and the Australian Food and packaging Supply Chain. Referred Proceedings of the 33rd Annual Meeting of the Decision Sciences Institute (DSI 2002) November 23-26, San Diego, California.

James, Karli L., Grant, Tim., (2002) Proposal for a National Life Cycle Data Resource. Paper presented at the Third Australian Conference on Life Cycle Assessment - *Life Cycle Decision Making for Sustainability*, Grand Mercure Hotel, Broadbeach Gold Coast, 17-19 July.

James, Karli L., (2002) The National Packaging Covenant, Life Cycle Assessment and Costing Approaches: An Australian food and packaging case study. Paper to be presented at the Third Australian Conference on Life Cycle Assessment - *Life Cycle Decision Making for Sustainability*, Grand Mercure Hotel, Broadbeach Gold Coast, 17-19 July.

James, Karli., O'Donovan, Gary., Kloot, Louise., Sonneveld, Kees., (2002) Environmental issues and accounting approaches: An Australian food and packaging industry case study. Paper to be presented at the Accounting Association of Australia and New Zealand Annual Conference, Sheraton Hotel Perth, 7-9 July.

James, Karli L., (2002) Making Environmental Costs More Visible and Relevant - How Can it Be Done?, Paper presentation at the Australian Institute of Packaging National Conference - Packaging Clean and Green 2002, Carlton Crest Hotel, Melbourne, 21-22 March.

James, Karli L., Grant, Tim, Lundie, Sven., Sonneveld, Kees., (2001) *Environmental Impact Assessment of Kerbside Recycling of Paper and Packaging*, Paper presentation at the 12th IAPRI World Conference on Packaging - Contribution of Packaging to the transforming economies in Europe and in the World, Warsaw Poland, 18-20 June.

James, Karli L., (2001) *The Australian (National) Packaging Covenant*, Poster presentation at the 12th IAPRI World Conference on Packaging - Contribution of Packaging to the transforming economies in Europe and in the World, Warsaw Poland, to be presented during 18-20 June.

James, K.L., Tivander, J., (2000) Life Cycle Assessment Database Framework Development. Editor Jorge A. Marcondes, *Advances in Packaging Development and Research*. Proceedings from the 20th International Association of Packaging Research Institutes Symposium, San Jose State University, San Jose, California., June 14-18.

Grant, T., **James, K.L.**, Sonneveld, K., (2000), Life Cycle Assessment Study of Kerbside Waste Management in Melbourne. Fifth Australian Waste Convention, Sydney Convention Centre, Waste Management Association of Australia and Australian Water and Wastewater Association, Sydney, NSW, Australia, April.

James, K. L. (2000). *Influences on Data Development and Frameworks*. 2nd National Conference on Life Cycle Assessment, February 23-24, Melbourne, Australia

James, K.L., Dimova, C., Grant, T., Lundie, S., Sonneveld, K., Tabor, A., Tolmie, D., Wainberg, R., 1999, Australian Life Cycle Assessment of Packaging Waste Management Scenarios, 11th IAPRI World Conference on Packaging: Packaging 21, Singapore, July 1999.

James, K.L., 1998, LCA and the Australian Food and Packaging Industries. Paper presentation at the 19th IAPRI Symposium, Rochester, NY, USA, 23rd June.