

MATTHIAS SCHULZ

POSITION

Research Associate, Sustainability Assessment Program

PEN PICTURE

Matthias is a Research Associate at the UNSW Sustainability Assessment Program. In this role, Matthias is responsible for project management, communication and liaison with industry partners, life cycle inventory data acquisition and analysis, life cycle modelling using GaBi4 software, life cycle impact assessment and reporting. The themes of Matthias' work include application of life cycle assessment and life cycle costing methodology, development of sustainability assessment tools and environmental reporting.

EXPERIENCE SUMMARY

- Liaison, data acquisition, analysis and computational modelling for an LCA project for the red meat industry.
- Project management, modelling, analysis and set up of an interactive reporting tool of a Carbon Footprint Measurement project for the New Zealand Dairy Industry.
- Project coordination, scoping, data acquisition and industry liaison for the development of an Environmental Sustainability Assessment Tool (ESAT) for the Victorian Smart Water Fund with the purpose to compare alternative water and sewage servicing options for the four water service providers in Melbourne.
- Management of the development of a criteria matrix to assess existing LCI data for the Australian plastics industry, review of generally available data from the main raw plastics manufacturers and gap analysis.

QUALIFICATIONS

2003 University of Hanover, Germany

Masters Degree in Business Administration and Economics (specialised in Environmental Economics)

RESEARCH OUTPUT SAMPLE

Lundie S., Peters G.M., Rowley H.V., Schulz M., Salem J. (2007) Environmental preferences in refrigerant selection for domestic air conditioning, Conference paper for the Life Cycle Engineering Conference, presented in March 2008, UNSW, Sydney

Schulz M., Peters G.M., Rowley H.V. (2009) Tool for Rapid Cost and Environmental Assessment of Water Servicing Strategies. Refereed paper for the 6th ALCAS Conference, presented in February 2009, Melbourne.

Lundie S., Schulz M., Peters G.M. (2008) Carbon Footprint Measurement for the NZ Dairy Industry, Several milestone reports on the processing and distribution of products and methodological issues (reports to client).

Schulz M, Short M, Peters GM (2008) Life Cycle Assessment for Sustainable Water Cycle Management at Penrith Lakes (report to client, Penrith Lakes Development Corporation).

Schulz M., Peters G.M. (2008) Creation of an Environmental Sustainability Assessment Tool (ESAT), Final Evaluation Report (report to client for Smart Water Fund project), Report, ESAT Tool and User Manual accessible under http://www.smartwater.com.au/latest_news.asp