

Curriculum vitae Henrikke Baumann

Title: Professor of Industrial and Domestic Ecologies **Date of birth:** 30 June 1964

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Citizenship: Norwegian

Affiliation: Division of Environmental Systems Analysis, Department of Technology Management and Economics, Chalmers University of Technology, Gothenburg, Sweden

DEGREES

1990 MSc Chemical Engineering, Chalmers University of Technology

1998 PhD Environmental Science, Chalmers University of Technology

2004 Docent Environmental Systems Analysis, Chalmers University of Technology

CURRENT POSITION

2018-... Full professor, Environmental Systems Analysis, Chalmers

NB: Since 2004, I work part-time (50%) owing to disabilities after an accident.

AWARDS AND RECOGNITION

2021 Best presentation, 'Introducing Business Model LCA', 10th Life Cycle Management conference

2011-2015 Marie Curie International Fellow, Visiting fellow, Erasmus University Rotterdam

2004 Royal recognition for interdisciplinarity in environmental research, King Carl XVI Gustaf 50th Anniversary Fund for Science, Technology and the Environment

RESEARCH SPECIALISATION

- Research themes: Life cycle assessment (LCA) methodology and practice, Life cycle management and product chain organisation, Business model LCA
- Domains: the built environment, marine plastic debris, packaging, carbon capture and utilisation
- Approach: Methodological development, Cross-disciplinary research, Qualitative methods and social dimensions in Industrial Ecology

TEACHING AND TUTORING, IN SELECTION

- 2020-... Director of MSc Industrial Ecology program at Chalmers
- PhD supervision: 12 candidates to their degree completion, now supervisor to 2 candidates
- Postdoc and junior faculty mentoring: currently 2 postdocs and 1 assistant professor (TT)
- Author of the internationally best-selling textbook "Hitch Hiker's Guide to LCA. An orientation in life cycle assessment methodology and application", Studentlitteratur 2004, with A-M Tillman

SERVICE TO ACADEMIA AND SOCIETY, IN SELECTION

- Standing session chair, New Business Models conference since 2024, with Luedeke-Freund et al.
- 2021 Contribution to national roadmap for the sustainable use of plastics in Sweden
- 2020 Chair of 7th international conference on Social Life Cycle Assessment
- 2012-... Board member, Swedish Life Cycle Center
- 2010-2012 Chalmers council on academic fraud
- 2002-2008 Chalmers faculty senate

PUBLICATIONS - SUMMARY

Number of journal articles: 49, of which first/sole author: 11

Total citations: 9060 (Oct 2025)

MOST CITED

Baumann, Henrikke & Anne-Marie Tillman (2004). *The Hitch Hiker's Guide to LCA. An orientation in life cycle assessment methodology and application*. Studentlitteratur, Lund.

- Baumann, Henrikke, Frank Boons & Annica Bragd (2002). Mapping the green product development field: engineering, policy and business perspectives. *Journal of Cleaner Production* 10(5):409-425.
- Rex, Emma & Henrikke Baumann (2007). Beyond ecolabels: what green marketing can learn from conventional marketing. *Journal of Cleaner Production* 15(6):567-576.
- Gluch, Pernilla & Henrikke Baumann (2004). The life cycle costing (LCC) approach: a conceptual discussion of its usefulness for environmental decision-making. *Building and Environment* 39(5):571-580.

PUBLICATIONS ON LIFE CYCLE MANAGEMENT, AND BUSINESS MODEL LCA

- Baumann, H, Berlin, J, Brunklaus, B, Lindkvist, M, Löfgren, B. & Tillman, AM (2011). The usefulness of an actor's perspective in LCA. In *Towards Life Cycle Sustainability Management* (pp. 73-83). Springer, Dordrecht.
- Boons, F, Baumann, H & Hall J (2012) Conceptualizing sustainable development and global supply chains. *Ecological Economics* 83 (2012): 134-143.
- Nilsson-Lindén, H, Baumann, H, & Rex, E (2018). LCM development: focusing on the LC promoters and their organizational problem-solving. *The International Journal of Life Cycle Assessment*, 24(2), 297-309. (doi.org/10.1007/s11367-018-1523-z)
- Nilsson-Lindén, H, Baumann, H, & Rosén, M (2019). Product chain collaboration for sustainability – A business case for life cycle management. *Business Strategy and The Environment*, 28 (8), 1619-1631 (doi:10.1002/bse.2388)
- Nilsson-Lindén, H, Diedrich, A, & Baumann, H (2021). Life cycle work: A process study of the emergence and performance of life cycle practice. *Organization & Environment*, vol. 34 (1), p. 99-122 (1086026619893971).
- Baumann, H, & Lindkvist, M (2021). A sociomaterial conceptualization of flows in industrial ecology. *Journal of Industrial Ecology*, 26 (2), 655-666. doi: 10.1111/jiec.13212
- Baumann, H, Böckin, D, Goffetti, G, Tillman, AM, Zobel, T (2021). Switching the focus from product function to business profit: Introducing business model LCA. *10th international conference on Life Cycle Management (LCM2021)*, September 5-8, 2021, Stuttgart & online. **Best presentation award.**
- Böckin, D, Goffetti, G, Baumann, H, Tillman, AM, & Zobel, T (2022). Business model life cycle assessment: A method for analysing the environmental performance of business. *Sustainable Production and Consumption*, 32, 112-124
- Goffetti, G, Böckin, D, Baumann, H, Tillman, AM, & Zobel, T (2022). Towards sustainable business models with a novel LCA method. *Business Strategy and the Environment*, 31(5), 2019-2035. 10.1002/bse.3005
- Somerset, EG, Lancz, K, Baumann, H, & Elliot, T (2025). Transparent or Hidden Choices: Exploring Perceptions and Practices of LCA. *Building Projects. Building and Environment*, 113439.
- Beemsterboer, S, Baumann, H, & Wallbaum, H (2025). The myth of informed decision-making: explaining the substantive effectiveness of LCA use in a building product development project. *The International Journal of Life Cycle Assessment*, 10.1007/s11367-025-02472-5