

2015

A. Lehmann, M. Finkbeiner, C. Broadbent and R. T. Balzer (2015): **Policy Options for Life Cycle Assessment Deployment in Legislation**, *LCA Compendium - The Complete World of Life Cycle Assessment*, G. Sonnemann and M. Margni, M. (eds.), Springer Dordrecht Heidelberg New York London, ISBN 978-94-017-7220-4

T. Buchert, S. Neugebauer, S. Schenker, K. Lindow, R. Stark (2015): **Multi-Criteria Decision Making as a Tool for Sustainable Product Development – Benefits and Obstacles**, *Procedia CIRP*, 26, pp. 70-75, dx.doi.org/10.1016/j.procir.2014.07.110

B. Peukert, S. Benecke, J. Clavell, S. Neugebauer, N. F. Nissen, E. Uhlmann, K.-D. Lang, M. Finkbeiner (2015): **Addressing sustainability and flexibility in manufacturing via smart modular machine tool frames to support sustainable value creation**, *Procedia CIRP*, 29, pp. 514-519, dx.doi.org/10.1016/j.procir.2015.02.181

A. P. Barquet , J. Seidel, T. Buchert, M. Galeitzke, S. Neugebauer, N. Oertwig, H. Rozenfeld, G. Seliger (2015): **Sustainable product service systems – from concept creation to the detailing of a business model for a bicycle sharing system in Berlin**, *Proceedings of the 13th GCSM conference, September 16th-18th, Ho Chi Min City, Vietnam*

G. Brankatschk, M. Finkbeiner (2015): **Modeling crop rotation in agricultural LCAs – Challenges and potential solutions**, *Agricultural Systems*, 138, pp. 66-76, dx.doi.org/10.1016/j.aghsy.2015.05.008

J. Martínez-Blanco, A. Inaba, A. Quiros, S. Valdivia, LI. Milà-i-Canals, M. Finkbeiner (2015): **Organizational LCA: the new member of the LCA family—introducing the UNEP/SETAC Life Cycle Initiative guidance document**, *International Journal of Life Cycle Assessment*, dx.doi.org/10.1007/s11367-015-0912-9

M. Berger, S. Pfister, V. Bach, M. Finkbeiner (2015): **Saving the Planet's Climate or Water Resources? The Trade-Off between Carbon and Water Footprints of European Biofuels**, *Sustainability*, 7(6), pp. 6665-6683

V. Bach, A. Lehmann, M. Finkbeiner (2015): **Product Environmental Footprint pilot phase - will it lead us to a harmonized life cycle based approach usable for comparative assertion?**, *SETAC Europe 25th Annual Meeting, May 3rd-7th, Barcelona, Spain*

A. Lehmann, M. Finkbeiner (2015): **LCA deployment in legislation - description of policy options for the example of CO2 legislation in automotive industry**, *SETAC Europe 25th Annual Meeting, May 3rd-7th, Barcelona, Spain*

A. Lehmann, V. Bach, M. Finkbeiner (2015): **Product environmental footprint in policy and market decisions – applicability and impact assessment**, *Integrated Environmental Assessment and Management*, dx.doi.org/10.1002/ieam.1658

J. Martínez-Blanco, A. Inaba, M. Finkbeiner (2015): **Half-way point in the flagship project “LCA of Organizations” by UNEP/SETAC Life Cycle Initiative**, *Journal of Life Cycle Assessment, Japan* 11 (2), pp. 97-103

UNEP/SETAC, lead authors: J. Martínez-Blanco, M. Finkbeiner, A. Inaba (2015): **Guidance on Organizational Life Cycle Assessment**, *Life-Cycle Initiative, United Nations Environment Programme and Society for Environmental Toxicology and Chemistry, Paris, France*. ISBN: 978-92-807-3453-9

S. Neugebauer, J. Martínez-Blanco, R. Scheumann, M. Finkbeiner (2015): **Enhancing the practical implementation of life cycle sustainability assessment - proposal of a Tiered approach**, *Journal of Cleaner Production*, dx.doi.org/10.1016/j.jclepro.2015.04.053

Y.-J. Chang, G. Sproesser, S. Neugebauer, K. Wolf, R. Scheumann, A. Pittner, M. Rethmeier, M. Finkbeiner (2015): **Environmental and Social Life Cycle Assessment of welding technologies**, *Procedia CIRP* 26, pp. 293-298, dx.doi.org/10.1016/j.procir.2014.07.084

Y.-J. Chang, L. Schneider, M. Finkbeiner (2015): **Assessing Child Development: A Critical Review and the Sustainable Child Development Index (SCDI)**, *Sustainability*, 7 (5), pp. 4973-4996, dx.doi.org/10.3390/su7054973

J. Martínez-Blanco, A. Inaba, M. Finkbeiner (2015): **Scoping organizational LCA—challenges and solutions**, *International Journal of Life Cycle Assessment*, dx.doi.org/10.1007/s11367-015-0883-x

V. Bach, R. Brüggemann, M. Finkbeiner (2015): **Using partial order to analyze characteristics of resource availability indicators**, *Workshop: "Simulation in den Umwelt- und Geowissenschaften"*, March 26, Müncheberg, Germany

R. Miehe, R. Scheumann, C. M. Jones, D. M. Kammen, M. Finkbeiner (2015): **Regional carbon footprints of households: a German case study**, *Environment, Development and Sustainability*, dx.doi.org/10.1007/s10668-015-9649-7

N. Minkov, L. Schneider, A. Lehmann, M. Finkbeiner (2015): **Type III Environmental Declarational Programmes and harmonization of product category rules: status quo and practical challenges**, *Journal of Cleaner Production*, dx.doi.org/10.1016/j.jclepro.2015.02.012

L. Schneider, M. Berger, M. Finkbeiner (2015): **Abiotic resource depletion in LCA—background and update of the anthropogenic stock extended abiotic depletion potential (AADP) model**, *The International Journal of Life Cycle Assessment*, dx.doi.org/10.1007/s11367-015-0864-0

2014

C. Markard, M. Angrick, M. Berger, M. Finkbeiner, J. Frommer, U. Irmer, K. Müschen, S. Richter (2014): **Vereinfachte Bewertung von Umweltbelastungen**, *Ökologisches Wirtschaften* 29 (4), pp 39-43

F. Becker, R. Scheumann, J. Dietrich (2014): **Abschied vom Abfall - Wiederverwendungs- und Reparatur-Strategien erfordern das Konzept einer neuen Ressourcen-Hierarchie**, *ReSource*, 4.2014, pp. 47-53

A. Lehmann, M. Finkbeiner, K. Wolf, C. ten Broek C (2014): **Policy options for LCA Deployment in Automotive Industry**, *11th International Conference on EcoBalance*, Oct 27–30, Tsukuba, Japan

A. Lehmann, V. Bach, M. Finkbeiner (2014): **Product and Organisation Environmental Footprint – Challenges in Theory and Practice**, *11th International Conference on EcoBalance*, Oct 27–30, Tsukuba, Japan

A. Lehmann, V. Bach, M. Finkbeiner (2014): **Product Environmental Footprint (PEF): Ein umfassendes Instrument zur umweltbezogenen Produktinformation?**, *Fachgespräch anlässlich der Neuauflage der BDI/BMUB/UBA-Broschüre "Umweltinformationen für Produkte und Dienstleistungen"*, 17. Juni, Berlin

Sabrina Neugebauer, Denise Fischer, Vanessa Bach, M. Finkbeiner (2014): **Social indicators for meat production – addressing workers, local communities, consumers and animals**, *Proceedings of the 9th International Conference LCA of Food*, October 8-10, San Francisco, USA, ISBN: 978-0-9882145-7-6

M. Motoshita, Y. Ono, S. Pfister, A.-M. Boulay, M. Berger, K. Nansai, K. Tahara, N. Itsubo, A. Inaba (2014): **Consistent characterisation factors at midpoint and endpoint relevant to agricultural water scarcity arising from freshwater consumption**, *International Journal of Life Cycle Assessment*, dx.doi.org/10.1007/s11367-014-0811-5

A.M. Boulay, M. Motoshita, S. Pfister, C. Bulle, I. Muñoz, H. Franceschini, M. Margni (2014): **Analysis of water use impact assessment methods (part A): evaluation of modeling choices based on a quantitative comparison of scarcity and human health indicators**, *International Journal of Life Cycle Assessment*, dx.doi.org/10.1007/s11367-014-0814-2

M. Motoshita, Y. Ono, S. Pfister, A.-M. Boulay, M. Berger, K. Nansai, K. Tahara, N. Itsubo, A. Inaba (2014): **Consistent characterisation factors at midpoint and endpoint relevant to agricultural water scarcity arising from freshwater consumption**, *International Journal of Life Cycle Assessment (online first)* DOI 10.1007/s11367-014-0811-5

M. Berger (2014): **Book Review: The Water Footprint of Modern Consumer Society by Arjen Y. Hoekstra. 2013. Abingdon, Oxon, UK: Routledge. ISBN 978-1-84971-427-3**, *Journal of Industrial Ecology*, 18(6), pp. 944-945, DOI: 10.1111/jiec.1219

J. Martínez-Blanco, A. Quiros, S. Valdivia, A. L. Milà-i-Canals, A. Inaba, M. Finkbeiner (2014): **Organizational LCA, new guidance for organizations to conduct LCA considering their value chain**, *Indian Conference of Life Cycle Management (ILCM 2014)*, September 29-30, New Delhi, India

J. Martínez-Blanco, A. Quiros, S. Valdivia, A. L. Milà-i-Canals, A. Inaba, M. Finkbeiner (2014): **Guidance on Organizational LCA, the new member in the life-cycle-thinking family**, *The conference of the American Center of Life Cycle Assessment LCA XIV*, October 6-8, San Francisco, USA

C. Lazcano, J. Martínez-Blanco, T. H. Christensen P. Muñoz, J. Rieradevall, J. Møller, A. Antón, A. Boldrin, M. Nuñez (2014): **Environmental benefits of compost use-on-land through LCA – A review of the current gaps**, *The 9th International Conference LCA of Food*, October 8-10, San Francisco, USA

J. Martínez-Blanco, S. Valdivia, A. Quiros, A. L. Milà-i-Canals, A. Inaba, M. Finkbeiner (2014):
Guidance on Organizational LCA by the UNEP/SETAC Life Cycle Initiative,
The 11th International Conference on EcoBalance, October 27-30, Tsukuba, Japan

M. Finkbeiner, J. Martínez-Blanco, A. Inaba (2014):
A new Direction for LCA: Organizational LCA,
The 11th International Conference on EcoBalance, October 27-30, Tsukuba, Japan

S. Neugebauer, M. Traverso, R. Scheumann, Y.-J. Chang, K. Wolf, M. Finkbeiner (2014): **Impact Pathways to Address Social Well-Being and Social Justice in SLCA—Fair Wage and Level of Education,**
Sustainability 2014, 6(8), pp. 4839-4857, DOI 10.3390/su6084839

M. Berger, M. Finkbeiner, C. Markard, M. Angrick, J. Frommer, U. Irmer, K. Müschen, S. Richter (2014):
Vereinfachte Umweltbewertungen des Umweltbundesamtes (VERUM),
UBA Texte 33/2014; Umweltbundesamt: Dessau

R. Scheumann, J. Martínez-Blanco, K. Wolf, Y.-J. Chang, S. Neugebauer, M. Finkbeiner (2014):
Impact Pathway Characterisation to evaluate sustainability performance of products by addressing six Safeguard Subjects,
SETAC Europe 24th Annual Meeting, May 11-15, Basel, Switzerland

J. Martínez-Blanco, S. Valdivia, A. Quiros, A. Inaba, M. Finkbeiner (2014):
Organizational Life Cycle Assessment – Guidance for organizations to conduct LCA considering their value chain,
SETAC Europe 24th Annual Meeting, May 11-15, Basel, Switzerland

A. Lehmann, V. Bach, M. Berger, M. Finkbeiner (2014):
Applying PEF in practice - challenges related to the development of PEFCRs and benchmarks,
SETAC Europe 24th Annual Meeting, May 11-15, Basel, Switzerland

M. Berger, R. van der Ent, S. Eisner, V. Bach, M. Finkbeiner (2014):
The water accounting and vulnerability evaluation model (WAVE): Considering atmospheric evaporation recycling and the risk of freshwater depletion in LCA and water footprinting,
SETAC Europe 24th Annual Meeting, May 11-15, Basel, Switzerland

S. Iqbal, N. Minkov (2014): **Calculating, Quantifying and Reporting "Green",**
Elevator World Magazine, 4.2014, pp. 79-82

A. Lehmann (2014): **Nachhaltigere Technologien für eine nachhaltige Entwicklung. Ergebnisse der Dissertation „Lebenszyklusbasierte Nachhaltigkeitsanalyse von Technologien“,**
TATuP - Zeitschrift des ITAS zur Technikfolgenabschätzung, 1 (23), pp.63-68,
tatup-journal.de/tatup141_lehm14a.php

M. Finkbeiner (2014): **Indirect land use change - Science or mission?,** *BioResources 9(3), pp.3755-3756*

M. Finkbeiner, R. Ackermann, V. Bach, M. Berger, G. Brankatschk, Y.-J. Chang, M. Grinberg, A. Lehmann, J. Martínez-Blanco, N. Minkov, S. Neugebauer, R. Scheumann, L. Schneider and K. Wolf (2014):
Challenges in Life Cycle Assessment: An Overview of Current Gaps and Research Needs,
in: LCA Compendium - The Complete World of Life Cycle Assessment -Volume 1: Background and Future Prospects in Life Cycle Assessment, W. Klöpffer (ed.), Springer: Dodrecht, The Netherlands, pp 207-258,
ISBN 978-94-017-8696-6

V. Bach, L. Schneider, M. Berger, M. Finkbeiner (2014):
Methoden und Indikatoren zur Messung von Ressourceneffizienz im Kontext der Nachhaltigkeit,
Recycling und Rohstoffe, Band 7, Karl J. Thome-Kozmiensky, Daniel Goldmann (2014),
ISBN: 978-3-944310-09-1, pp. 87-101

M. Berger, R. van der Ent, S. Eisner, V. Bach, M. Finkbeiner (2014):
Water Accounting and Vulnerability Evaluation (WAVE): Considering Atmospheric Evaporation Recycling and the Risk to Freshwater Depletion in Water Footprinting,
Environmental Science and Technology, 48 (8), pp. 4521-4528, DOI 10.1021/es404994t

L. Schneider, M. Berger, E. Schüler-Hainsch, S. Knöfel, K. Ruhland, J. Mosig, V. Bach, M. Finkbeiner (2014):
The economic resource scarcity potential (ESP) for evaluating resource use based on life cycle assessment, *The International Journal of Life Cycle Assessment, 19 (3), pp.601-610,*
DOI 10.1007/s11367-013-0666-1

V. Bach, L. Schneider, M. Berger, M. Finkbeiner (2014): **ESSENZ-Projekt: Entwicklung einer Methode zur Bewertung von Ressourceneffizienz auf Produkteinheit,**
3. Symposium Rohstoffeffizienz und Rohstoffinnovation, U. Teipel, A. Reller (eds.), Fraunhofer Verlag:
Stuttgart, pp. 463-474, ISBN 978-3-8396-0668-1

G. Brankatschk, M. Finkbeiner (2014):

Application of the Cereal Unit in a new allocation procedure for agricultural life cycle assessments,
Journal of Cleaner Production, 73, pp. 72-79, dx.doi.org/10.1016/j.jclepro.2014.02.005

M. Finkbeiner (2014): **Indirect land use change: Help beyond the hype?,**
Biomass and Bioenergy, 62, pp. 218-221, dx.doi.org/10.1016/j.biombioe.2014.01.024

J. Martínez-Blanco, A. Lehmann, P. Muñoz, A. Antón, M. Traverso, J. Rieradevall, M. Finkbeiner (2014):
Application challenges for the social LCA of fertilizers within Life Cycle Sustainability Assessment,
Journal of Cleaner Production, 69, pp. 34-48, DOI 10.1016/j.jclepro.2014.01.044

M. Finkbeiner (2014): **Product environmental footprint—breakthrough or breakdown for policy implementation of life cycle assessment?,**
The International Journal of Life Cycle Assessment, 19 (2), pp. 266-271, DOI 10.1007/s11367-013-0678-x

2013

T. D. Nguyen, M. Kleinsorge, A. Postawa, K. Wolf, R. Scheumann, J. Krüger, G. Seliger (2013):
Human centric automation: Using marker-less motion capturing for ergonomics analysis and work assistance in manufacturing processes, *Proceedings of 11th Global Conference on Sustainable Manufacturing*, September 23-25, Berlin, Germany, ISBN: 978-3-7983-2608-8

K. Wolf, Y.-J. Chang, R. Scheumann, S. Neugebauer, A. Lehmann, M. Finkbeiner (2013):
What do we assess for a sustainable society from a manufacturing perspective?, *Proceedings of 11th Global Conference on Sustainable Manufacturing*, September 23-25, Berlin, Germany, ISBN: 978-3-7983-2608-8

S. Neugebauer, Y.-J. Chang, M. Maliszewski, K. Lindow, R. Stark, M. Finkbeiner (2013): **Life Cycle Sustainability Assessment & Sustainable Product Development: A Case Study on Pedal Electric Cycles (Pedelec)**, *Proceedings of 11th Global Conference on Sustainable Manufacturing*, September 23-25, Berlin, Germany, ISBN: 978-3-7983-2608-8

A. Lehmann, V. Bach, M. Berger, M. Finkbeiner (2013): **From theory into practice: Application of the Product Environmental Footprint in policy and market decisions**, *Proceedings of the 19th SETAC Case Study Symposium*, November 11-13, Rome, Italy, ISSN 2310-3191

M. Finkbeiner (2013): **Indirekte Landnutzungsänderungen: Fakt oder Fiktion?**, *Ökologisches Wirtschaften*, 4.2013, pp. 18-19

Y.-J. Chang, K. Wolf, S. Neugebauer, R. Scheumann, M. Finkbeiner (2013): **The next step for social Life Cycle Assessment**, *The Third Asian Conference on Sustainability, Energy and the Environment*, June 6-9, Osaka, Japan

Y.-J. Chang, S. Neugebauer, M. Finkbeiner (2013): **Life Cycle Sustainability Assessment (LCSA) comparison of modern bikes**, *The 6th International Conference on Life Cycle Management*, August 25-28, Gothenburg, Sweden

R. Scheumann, I. Vierhaus, Y.-J. Chang, A. Fügenschuh, M. Finkbeiner (2013): **Identification of trade-offs for sustainable manufacturing of a Bamboo Bike by System Dynamics**, in: *Proceedings of the 27th EnviroInfo 2013 Conference*, B. Page, A.G. Fleischer, J. Göbel, V. Wohlgemuth (Eds.), Shaker Verlag: Aachen, Hamburg, Germany, pp. 539-547.

R. Scheumann, K. Wolf, Y.-J. Chang, S. Neugebauer, M. Finkbeiner (2013): **A new indicator framework for LCSA considering safeguard subjects**, in: *Proceedings of the SETAC Europe 23rd Annual Meeting*. SETAC Europe, Glasgow.

L. Schneider, M. Berger, M. Finkbeiner (2013): **Measuring resources scarcity - limited availability despite sufficient reserves**, in: Mancini L, DeCamillis C, Pennington D (eds) JRC scientific and policy reports: Security of supply and scarcity of raw materials. Publications Office of the European Union

S. Neugebauer, Y.-J. Chang, M. Finkbeiner (2013): **Gaps in assessing sustainability and proposal of a tiered approach**, *Proceedings of the 6th International Conference on Life Cycle Management*, August 25-28, Gothenburg, Sweden, ISBN: 978-91-980973-5-1

J. Hegenwald, R. Ackermann, S. Neugebauer, M. Finkbeiner (2013): **Innovative product design and recycling: comparative sustainability assessment of the building material Polli-Brick**, *Proceedings of the 6th International Conference on Life Cycle Management*, August 25-28, Gothenburg, Sweden, ISBN: 978-91-980973-5-1

- S. Neugebauer, M. Finkbeiner, W. Volkhausen, S. Mecke, G. Endemann (2013): **Umweltbewertung von Stahl – neue Ökobilanz berücksichtigt Multirecycling des Werkstoffs, Stahl und Eisen, 7/2013, pp. 49-55**
- A. Lehmann, E. Zschieschang, M. Traverso, M. Finkbeiner, L. Schebek (2013): **Social aspects for sustainability assessment of technologies—challenges for social life cycle assessment (SLCA), International Journal of Life Cycle Assessment, 18 (8), pp. 1581-1592**
- A. Lehmann, R. Scheumann, M. Finkbeiner (2013): **Use of SLCA for a Comparative Sustainability Analysis of Technologies, International Seminar on Social LCA, May 6-7, Montréal, Canada**
- M. Berger, M. Finkbeiner (2013): **Methodological challenges in volumetric and impact oriented water footprints, Journal of Industrial Ecology, 17 (1), pp. 79-89**
- M. Finkbeiner (2013): **Carbon Footprint and Life Cycle Assessment of Organizations, Journal of Environmental Accounting and Management, 1 (1), pp. 55-63**
- L. Schneider, M. Berger, M. Finkbeiner (2013): **Material assessment beyond geological availability, Proceedings of CILCA 2013 – V International Conference on Life Cycle Assessment, March 24-27, Mendoza, Argentina, ISBN 978-950-42-0146-5**
- M. Berger, R. van der Ent, V. Bach, K. Brochnow, M. Finkbeiner (2013): **A new method for assessing impacts of water use in life cycle assessment, Proceedings of CILCA 2013 – V International Conference on Life Cycle Assessment, March 24-27, Mendoza, Argentina, ISBN 978-950-42-0146-5**
- M. Berger, L. Schneider, V. Bach, M. Finkbeiner (2013): **Verfügbarkeitsbewertung von Rohstoffverbräuchen in Ökobilanzen, Berliner Rohstoff- und Recyclingkonferenz, March 4-5, Band 6, Karl J. Thome-Kozmiensky, Daniel Goldmann (2013), ISBN: 978-3-935317-97-9, pp. 141-150**
- M. Finkbeiner, M. Berger, S. Neugebauer (2013): **Carbon footprint of recycled biogenic products: the challenge of modeling CO₂ removal credits, International Journal of Sustainable Engineering, 6(1), pp. 66-73, DOI:10.1080/19397038.2012.663414**
- A. Kounina, M. Margni, J. Bayart, A. Boulay, M. Berger et al. (2013): **Review of methods addressing freshwater use in life cycle inventory and impact assessment, International Journal of Life Cycle Assessment, 18 (3), pp. 707-721**
- ## 2012
- M. Grinberg, R. Ackermann, M. Finkbeiner (2012): **Ecological Scarcity Method: Adaptation and Implementation for Different Countries, Versita 2012/10, DOI: 10.2478/v10145-012-0019-5**
- E. Schau, M. Traverso, M. Finkbeiner (2012): **Life cycle approach to sustainability assessment: A case study of remanufactured alternators, Journal of Remanufacturing, DOI: 10.1186/2210-4690-2-5**
- R. Scheumann, A. Fügenschuh, S. Schenker, I. Vierhaus, R. Borndörfer, M. Finkbeiner (2012): **Global Manufacturing: How to Use Mathematical Optimisation Methods to Transform to Sustainable Value Creation, Proceedings of 10th Global Conference on Sustainable Manufacturing, October 31 - November 2, Istanbul, Turkey, ISBN: 978-605-63463-1-6**
- R. Scheumann, M. Traverso, M. Finkbeiner (2012): **Teaching Management of Sustainable Development in an Integrated Lecture at the University Level, Proceedings of 18th SETAC LCA Case Study symposium, November 26-28, Copenhagen, Denmark, ISBN: 978-87-92706-65-2**
- L. Schneider, M. Finkbeiner (2012): **The Long-Term Availability of Copper: A Scenario Analysis, The 10th International Conference on EcoBalance, November 21-23, Tokyo, Japan**
- L. Schneider, M. Berger, M. Finkbeiner (2012): **Resource availability within LCA- from geological to economic indicators, ERSCP 2012, May 2-4, Bregenz, Austria**
- L. Schneider, M. Berger, M. Finkbeiner (2012): **Measuring material scarcity – limited availability despite sufficient reserves,**

European Commission Joint Research Centre Workshop: Security of Supply and Scarcity of Raw Materials: A Methodological Framework For Supply Chain Sustainability Assessment, November 13-14, Ranco, Italy

M. Berger, V. Bach, M. Finkbeiner (2012):

Methodological Lessons Learned from Industrial Water Footprint Studies,
The 10th International Conference on EcoBalance, November 21-23, Tokyo, Japan

M. Berger, R. van der Ent, V. Bach, K. Brochnow, M. Finkbeiner (2012):

Water Footprint of Volkswagen Passenger Cars – Results and Challenges,
50th LCA Discussion Forum, December 4, Zurich, Switzerland

E. M. Schau, Y.-J. Chang, R. Scheumann, M. Finkbeiner (2012): **Manufactured products – how can their life cycle sustainability be measured? - A case study of a bamboo bicycle,**
The 10th Global Conference on Sustainable Manufacturing, October 31 - November 2, Istanbul, Turkey

Y.-J. Chang, E. M. Schau, M. Finkbeiner (2012): **Application of Life Cycle Sustainability Assessment to the Bamboo and Aluminum Bicycle in Surveying Social Risks of Developing Countries,**
The 2nd World Sustainability Forum, November 1-30, web conference

A. Lehmann, K. Matthies, J. Kopfmüller, H. Lehn, M. Finkbeiner (2012): **Life Cycle Costing of water treatment technologies within IWRM, Indonesia,**
IWRM Karlsruhe 2012, Interactions of Water with Energy and Materials in Urban Areas and Agriculture, November 21-22, Karlsruhe, Germany

S. Nayono, H. Lehn, J. Kopfmüller, A. Lehmann, J. Londong (2012): **Development of a Tool to Analyze Wastewater Treatment Sustainability: Indicators to Assess Technologies for Rural Areas in Developing Countries,**
IWRM Karlsruhe 2012, Interactions of Water with Energy and Materials in Urban Areas and Agriculture, November 21-22, Karlsruhe, Germany

A. Lehmann, M. Finkbeiner (2012): **Life Cycle Sustainability Assessment of water treatment technologies within IWRM, Indonesia,**
18th SETAC LCA Case Study Symposium: Sustainability Assessment in the 21st Century - tools, trends and applications, November 26-28, Copenhagen, Denmark

G. Peri, M. Traverso M. Finkbeiner, G. Rizzo (2012): **The cost of green roofs disposal in a life cycle perspective: Covering the gap,**
Energy, 48, pp. 406-414

J. McGlade, B. Werner, M. Young, M. Matlock, D. Jefferies, G. Sonnemann, M. Aldaya, S. Pfister, M. Berger, C. Farrell, K. Hyde, M. Wackernagel, A. Hoekstra, R. Mathews, J. Liu, E. Ercin, J.L. Weber, A. Alfieri, R. Martinez-Lagunes, B. Edens, P. Schulte, S. von Wirén-Lehr, D. Gee (2012): **Measuring Water Use in a Green Economy,**
United Nations Environment Programme, ISBN: 978-92-807-3220-7

J. Martínez-Blanco, A. Lehmann, P. Muñoz, A. Antón, M. Finkbeiner (2012): **Life Cycle Sustainability Assessment of fertilizing options,**
8th International Conference on Life Cycle Assessment in the Agri-Food Sector, October 1-4, Saint-Malo, France

S. Neugebauer, M. Finkbeiner (2012): **The Multi-Recycling-Approach as a new option to deal with end-of-life allocation dilemma,**
Conference of the American Center of Life Cycle Assessment - LCA XII – Life Cycle Thinking ... Life Cycle Living, September 25-27, Tacoma, USA

M. Traverso, M. Finkbeiner, A. Jørgensen, L. Schneider (2012): **Life Cycle Sustainability Dashboard,**
Journal of Industrial Ecology, 16 (5), pp. 680-688

M. Finkbeiner (2012): **From the 40s to the 70s—the future of LCA in the ISO 14000 family,**
International Journal of Life Cycle Assessment, 18 (1), pp. 01-04

G. Peri, M. Traverso, M. Finkbeiner, G. Rizzo (2012): **Embedding “substrate” in environmental assessment of green roofs life cycle: evidences from an application to the whole chain in a Mediterranean site,**
Journal of Cleaner Production, 35, pp. 274-287

M. Traverso, F. Asdrubali, A. Francia, M. Finkbeiner (2012): **Towards life cycle sustainability assessment: an implementation to photovoltaic modules,**
International Journal of Life Cycle Assessment, DOI 10.1007/s11367-012-0433-8

S. Neugebauer, L. Schneider, M. Finkbeiner, U. Ehses, A. Zepter (2012): **Carbon Footprint: Treibhausgasemissionen bilanzieren,**
UmweltMagazin, April-Mai 2012, pp. 68-71

M. Berger, J. Warsen, S. Krinke, V. Bach, M. Finkbeiner (2012): **Water footprint of European cars: potential impacts of water consumption along automobile life cycles,** *Environmental Science and Technology*, 46 (7), pp. 4091-4099

L. Schneider, M. Finkbeiner, S. Leiser, A. Bünz, A. Knauer (2012): **Das Leben eines UHPLC-Systems aus Umweltperspektive,** *GIT Labor-Fachzeitschrift*, 1, pp. 22-23

A. Kounina, M. Margni, J.-B. Bayart, A.-M. Boulay, M. Berger, C. Bulle, R. Frischknecht, A. Koehler, L. Mila-i-Canals, M. Motoshita, M. Núñez, G. Peters, S. Pfister, B. Ridoutt, R. van Zelm, F. Verones and S. Humbert (2012): **Review of methods addressing freshwater use in life cycle inventory and impact assessment,** *The 10th International Conference on EcoBalance, November 21-23, Tokyo, Japan*

A. Kounina, M. Margni, J.-B. Bayart, A.-M. Boulay, M. Berger, C. Bulle, R. Frischknecht, A. Koehler, L. Mila-i-Canals, M. Motoshita, M. Núñez, G. Peters, S. Pfister, B. Ridoutt, R. van Zelm, F. Verones and S. Humbert (2012): **Review of methods addressing freshwater use in life cycle inventory and impact assessment,** *Life Cycle Assessment XII, September 25-27, Tacoma, Washington, USA*

M. Berger, L. Schneider, M. Finkbeiner (2012): **Measuring resource efficiency and criticality beyond geologic availability,** *Electronic Goes Green 2012+, September 9-12, Berlin, Germany*

2011

A. Lehmann, M. Traverso, M. Finkbeiner (2011): **Proposals of Life Cycle Sustainability Assessment of Sludge Management,** in: *Sewage Sludge Management: From the Past to our Century*, A. A. Zorras, V. J. Inglezakis (eds.), Nova Science Pub Inc, chap. 18 , pp. 405-427, ISBN: 978-1-61324-393-0

J. Warsen, M. Berger, S. Krinke and M. Finkbeiner (2011): **Water consumption throughout a car's life cycle,** *5th International Conference on Life Cycle Management, August 28-31, Berlin, Germany*

L. Schneider, A. Lehmann, M. Finkbeiner (2011): **Life Cycle Management Conference 2011- Towards Life Cycle Sustainability Management,** *ReSource*, 4, pp. 55-56

E. M. Schau, M. Traverso, A. Lehmann, M. Finkbeiner (2011): **Life cycle costing in sustainability assessment – a case study of remanufactured alternators,** *Sustainability* 3 (11), pp. 2268-2288, (DOI) 10.3390/su3112268 (Open Access)

A. Lehmann, H. Lehn, J. Kopfmüller, M. Finkbeiner (2011): **Life cycle based sustainability assessment of technologies for sanitation Case study: Integrated Water Resources Management (IWRM) project in Gunung Kidul, Java, Indonesien,** *International Conference on Integrated Water resources Management: Management of Water in a Changing World: Lessons Learnt and Innovative Perspectives, October 12-13, Dresden, Germany*

S. Nayono, H. Lehn, J. Kopfmüller, J. Londong, A. Lehmann (2011): **Baseline Indicators to Support Decision Making in Sanitation, Case Study: Integrated Water Resources Management Project in Rural Karst Area of Gunung Kidul, Java, Indonesia,** *International Conference on Integrated Water resources Management: Management of Water in a Changing World: Lessons Learnt and Innovative Perspectives, October 12-13, Dresden, Germany*

G. Sonnemann, B. Vigon, C. Broadbent, M. Curran, M. Finkbeiner, R. Frischknecht, A. Inaba, A. Schanssema, M. Stevenson, C. Ugaya, H. Wang, M. Wolf, S. Valdivia (2011): **Process on "global guidance for LCA databases",** *The International Journal of Life Cycle Assessment*, 16, pp. 95-97 (DOI) 10.1007/s11367-010-0243-9

A. Lehmann, M. Finkbeiner, H. Lehn, J. Kopfmüller (2011): **Life Cycle based Sustainability Assessment as Decision Support for an Integrated Water Resources Management in an Indonesian Karst Region,** *The 5th International Conference of Life cycle Management, August 28-31, Berlin, Germany*

M. Finkbeiner (2011): **Towards Life Cycle Sustainability Management** Springer: Berlin/Heidelberg, August 2011, ISBN: 978-94-007-1898-2

L. Schneider, M. Berger, M. Finkbeiner (2011): **The anthropogenic stock extended abiotic depletion potential (AADP) as a new parameterisation to model the depletion of abiotic resources** *The International Journal of Life Cycle Assessment*, 16 (9), pp. 929-936

R. Stark, K. Lindow, M. Finkbeiner, E. Schau (2011): **Methodische Nachhaltigkeitsbewertung von Maschinenkomponenten im Entwicklungsprozess,** *Konstruktion*, 63 (5), pp. 59-60

M. Finkbeiner (2011): **Produkt-Ökobilanzen – Methode und Anwendung**,
in: *Der TÜV-Umweltmanagement-Berater - Wegweiser zur Zertifizierung*, M. Myska (ed.), TÜV Media GmbH:
Köln, June 2011, chap. 12301, pp. 1-26, ISBN 978-3-8249-0410-5

E. M. Schau, M. Traverso, M. Finkbeiner (2011): **Life cycle approach to sustainability assessment - a case study of remanufactured alternators**,
Proceedings of International Conference on Remanufacturing - ICoR 2011, July 27-29, Glasgow, United Kingdom, ISBN: 9780947649821

M. Finkbeiner (2011): **Standards und Labels zum Carbon Footprint – Chancen und Risiken**,
Regionaler DIN-Infoabend 2011, May 31, Düsseldorf, Germany

C. Benoît-Norris, G. Vickery-Niederman, S. Valdivia, J. Franze, M. Traverso, A. Ciroth, B. Mazijn (2011):
Introducing the UNEP/SETAC methodological sheets for subcategories of social LCA,
The International Journal of Life Cycle Assessment, 16 (7), pp. 1- 9

A. Lehmann, E. Zschieschang, L. Schebek, M. Finkbeiner (2011):
Feasibility of Current SLCA Methodology for Technology Assessment,
SETAC Europe 21st Annual Meeting, May 15-19, Milan, Italy

D. Russi, A. Bala-Gala, A. Lehmann, M. Finkbeiner, P. Fullana-i-Palmer (2011):
Social Life Cycle Assessment of waste management options. Some preliminary results,
SETAC Europe 21st Annual Meeting, May 15-19, Milan, Italy

M. Berger, M. Finkbeiner (2011): **Methodological Challenges in Water Footprinting**,
CILCA 2011 – IV International Conference on Life Cycle Assessment, April 4-6, Coatzacoalcos, Mexico

M. Berger, L. Schneider, M. Finkbeiner (2011): **Introducing new characterisation factors for depletion of abiotic resources: anthropogenic stock extended abiotic depletion potential**,
CILCA 2011 – IV International Conference on Life Cycle Assessment, April 4-6, Coatzacoalcos, Mexico

A. Lehmann, D. Russi, A. Bala, M. Finkbeiner, I. Fullana-i-Palmer (2011): **Integration of Social Aspects in Decision Support, Based on Life Cycle Thinking**,
Sustainability, 3(4), pp. 562-577

M. Berger, M. Finkbeiner (2011): **Correlation analysis of life cycle impact assessment indicators measuring resource use**,
International Journal of Life Cycle Assessment, 16 (1), pp. 74-81

L. Schneider, M. Berger, M. Finkbeiner (2011):
Economic material availability as a new area of protection for life cycle sustainability assessment,
SETAC Europe 21st Annual Meeting, May 15-19, Milan, Italy

M. Finkbeiner, L. Schneider, M. Berger (2011):
Design for Resource Efficiency,
7th International Symposium on Environmentally Conscious Design and Inverse Manufacturing, November 30 - December 2, Kyoto, Japan

2010

J. Warsen, S. Krinke, M. Berger, M. Finkbeiner (2010):
Water consumption throughout a car's life cycle,
Life Cycle Assessment X, November 2-4, Portland, Oregon, USA

G. Peri, G. Rizzo, M. Traverso, (2010):
Is There a Need for More Effective Quality Awards for Agritourisms?,
World Applied Sciences, 10 (Special Issue of Tourism & Hospitality), pp. 153-163

R. Ackermann, T. Bergmann, K. Jung, M. Berger, M. Finkbeiner (2010): **Yin-/Yang-concept for life cycle impact assessment**,
Life Cycle Assessment X Conference, November 2-4, Portland, Oregon, USA

L. Schneider, M. Finkbeiner (2010): **Consequential MFA – A New Approach to Integrate MFA and LCA**,
The 9th International Conference on EcoBalance, November 9-12, Tokyo, Japan

M. Berger, L. Schneider, M. Finkbeiner (2010): **A New Characterization Model for Depletion of Abiotic Resources – The Anthropogenic Stock Extended Abiotic Depletion Potential**,
The 9th International Conference on EcoBalance, November 9-12, Tokyo, Japan

L. Schneider, T. Hawkins, M. Finkbeiner, A.H. Stromman (2010): **An Approach to Addressing Material Availability for Hybrid and Electric Vehicles**,
The 9th International Conference on EcoBalance, November 9-12, Tokyo, Japan

L. Schneider, M. Finkbeiner (2010): **Consequential Material Flow Analysis-a comprehensive approach towards MFA and LCA**,
ISIE Asia-Pacific Meeting & ISIE MFA-Con Account Meeting, November 7-9, Tokyo, Japan

M. Finkbeiner, E. M. Schau, A. Lehmann, M. Traverso (2010): **Towards Life Cycle Sustainability Assessment**,
Sustainability 2010, 2 (10), pp. 3309-3322

C. Capitano, M. Traverso, G. Rizzo, M. Finkbeiner (2010): **Life Cycle Sustainability Assessment: an implementation to marble products**,
3rd International Conference on Energy and Sustainability, April 11-13, Alicante, Spain

M. Traverso & M. Finkbeiner (2010): **Sviluppi metodologici nella Social Life Cycle Assessment**,
ECOMONDO 2010– Ecobusiness cooperation event, November 4-5, Rimini, Italy

C. Capitano, M. Traverso, G. Rizzo, M. Finkbeiner (2010): **Analisi delle prestazioni di sostenibilità del marmo per l'edilizia**,
ECOMONDO 2010– Ecobusiness cooperation event, November 4-5, Rimini, Italy

G. Peri, M. Traverso, M. Finkbeiner, G. Rizzo (2010): **Un possibile approccio “Social LCA” per le coperture a verde**,
ECOMONDO 2010– Ecobusiness cooperation event, November 4-5, Rimini, Italy

A. Francia, M. Traverso, F. Asdrubali, M. Finkbeiner (2010): **Life Cycle Sustainability Assessment – un'applicazione ai moduli fotovoltaici policristallini**,
ECOMONDO 2010– Ecobusiness cooperation event, November 4-5, Rimini, Italy

A. Lehmann, H. Lehn, J. Kopfmüller, M. Finkbeiner (2010): **Life Cycle Assessment (LCA) as a Decision Support Tool for Technologies within an IWRM**, *Proceedings of IWRM Karlsruhe 2010 Conference, November 24-25, Karlsruhe, Germany, ISBN: 978-3-86644-545-1*

A. Lehmann (2010): **Life Cycle Orientated Sustainability Assessment of Technologies within an IWRM**, *IWRM Summer School (founded by BMBF), June 21-26, Dessau, Germany*

M. Traverso, A. Jørgensen, A. Lehmann, M. Finkbeiner (2010): **Trade-off between practicability and accuracy of Social LCA indicators**,
20th SETAC Europe Annual Meeting, May 23-28, Seville, Spain

M. Berger, L. Schneider, M. Finkbeiner (2010): **Anthropogenic stock extended abiotic depletion potentials: New characterisation factors for depletion of abiotic resources**,
20th SETAC Europe Annual Meeting, May 23-28, Seville, Spain

M. Finkbeiner (2010): **Übersicht über gesetzliche Grundlagen und Normen sowie Anforderungen in Deutschland, Europa und Weltweit**,
Berliner Energietage 2010, May 10-12, Berlin, Germany

M. Traverso, A. Francia, F. Asdrubali, M. Finkbeiner (2010): **Social Life Cycle Assessment: un'applicazione al modulo fotovoltaico policristallino**,
Proceeding of Rete Italiana LCA conference, April 21-22, Padova, Italy, ISBN 978-88-8286-226-8

A. Jørgensen, M. Finkbeiner, M. Jørgensen, M. Hauschild (2010): **Defining the baseline in social life cycle assessment**,
International Journal of Life Cycle Assessment, 15 (4), pp. 376–384

M. Berger, M. Finkbeiner (2010): **Water Footprinting: How to Address Water Use in Life Cycle Assessment?**,
Sustainability, 2 (4), pp. 919-944

M. Finkbeiner (2010): **From measuring environmental performance towards quantitative sustainability assessment**,
ISO-KEBS WORKSHOP on Environmental Management, January 13, Nairobi, Kenya

M. Traverso, G. Rizzo, M. Finkbeiner (2010): **Environmental performance of building materials: Life Cycle Assessment of a typical Sicilian marble**,
International Journal of Life Cycle Assessment, 15 (2010), pp. 104-114

2009

R. Ackermann, T. Bergmann, M. Finkbeiner (2009): **Yin-/Yang-Concept of environmental Sustainability Assessment**,
Proceedings of 7th Global Conference on Sustainable Manufacturing, December 2-4, Chennai, India, ISBN 978-81-904235-9-5

M. Finkbeiner (2009): **Greenhouse Gas Accounting and Carbon Footprinting Status and Trends towards international Standards**,
The 2nd Chinese Conference on Life Cycle Management (CLCM2009), November 14-16, Beijing, China

M. Berger, V. Bach, M. Finkbeiner (2009): **Water footprinting and the assessment of water use in LCA**,
The 2nd Chinese Conference on Life Cycle Management (CLCM2009), November 14-16, Beijing, China

M. Traverso, M. Finkbeiner (2009): **Il cruscotto della sostenibilità e l'analisi del ciclo di vita**
Proceeding of ECOMONDO 2009– 13rd International Trade Fair of material & Energy Recovery and Sustainable Development, October 28-31, Rimini, Italy, ISBN 978-88-387-5360-1

A. Lehmann (2009): **Qualitative und quantitative Indikatoren zur Nachhaltigkeitsbewertung (eines Integrierten Wasserressourcenmanagementsystems in einer indonesischen Karstregion)**,
Proceedings of Ökobilanz-Werkstatt 2009: Ansätze und Weiterentwicklungen zur Operationalisierung von Nachhaltigkeit, October 5-7, Freising, Germany

M. Finkbeiner (2009): **From Life Cycle Assessment towards Life Cycle Sustainability Assessment**,
EcoKnowledge09 Conference, October 12, Lahti, Finland

G. Sonnemann, S. Valdivia, J. Fava, M. Finkbeiner (2009): **The carbon footprint project of the UNEP/SETAC Cycle Initiative**,
Life Cycle Assessment IX Conference, September 29 - October 2, Boston, USA

M. Finkbeiner (2009): **Introduction to the international standardisation of carbon footprinting**,
Life Cycle Assessment IX Conference, September 29 - October 2, Boston, USA

M. Finkbeiner (2009): **The future of product carbon footprinting: where should we go from here?**,
2nd PCF World Summit 2009, September 23-24, Berlin, Germany

D. Wegener, M. Finkbeiner , D. Geiger, S. Irving Olsen, F. Walachowicz (2009): **Comprehensive Approach to Energy and Environment in the Eco Care Program for Design, Engineering and Operation of Siemens Industry Solutions**,
RISO International Energy Conference, September 14–16, Copenhagen, Denmark

L. Schneider, M. Finkbeiner (2009): **Consideration of resource availability by combining MFA and LCA**,
PhD Workshop "Scarce elements supply and demand: Critical issues and implications for sustainable governance", R'09 Twin World Congress, September 13, Davos, Switzerland

M. Traverso, M. Finkbeiner (2009): **Life Cycle Sustainability Dashboard**,
4th International Conference on Life Cycle Management, September 6-9, Cape Town, South Africa

M. Margni, P. Arena, E. Aoustin, J. B. Bayart, M. Berger, A. M. Boulay, C. Bulle, L. Deschênes, S. Humbert, R. Jurasko, N. Monserrat, S. Pfister, A. D. Schryver, R. v. Zelm, F. Vince, A. Koehler (2009): **A framework for assessing freshwater use within LCA: Results and working progress from the UNEP/SETAC Life Cycle**,
4th International Conference on Life Cycle Management, September 6-9, Cape Town, South Africa

M. Finkbeiner (2009): **Stand der internationalen Methoden-Entwicklung und -Harmonisierung zum (Product) Carbon Footprint**,
Konferenz CO₂-Kennzeichnung von Waren und Dienstleistungen, July 2, Berlin, Germany

G. Federico, G. Rizzo, M. Traverso (2009): **Itinerant Strategic Environmental Assessment of An Integrated Provincial Waste System**,
Waste Management & Research, 27 (4), pp. 390-398

M. Finkbeiner, R. Tan, M. Raimbault (2009): **Life Cycle Assessment Status and Perspectives**,
ISO/TC 207 Environmental Management 16th Plenary Meeting, June 21-27, Cairo, Egypt

L. Schneider, K. Reimann, M. Finkbeiner (2009): **A Comprehensive Approach Towards MFA and LCA**,
5th International Conference on Industrial Ecology, June 21-24, Lisbon, Portugal

K. Reimann, M. Finkbeiner, Y. Matsuno, A. Horvath, U. Pretato, M.-A. Wolf, D. Pennington, R. Pant (2009):
Suitability of process-based LCA, sector-based LCA, MFA and hybrid approaches for policy and decision making support,
SETAC Europe 19th Annual Meeting, May 31 – June 4, Goteborg, Sweden

M. Berger, M. Finkbeiner (2009): **Resource efficiency indicators - linear regressions and correlations**,
Proceedings of CILCA 2009 - III International Conference on Life Cycle Assessment, April 27-29, Pucon, Chile, ISBN 978-956-7226-08-5

J. B. Bayart, C. Bulle, A. Koehler, M. Margni, S. Pfister, F. Vince, L. Deschênes, M. Berger (2009): **A framework for assessing freshwater use in LCA**,
Proceedings of CILCA 2009 - III International Conference on Life Cycle Assessment, April 27-29, Pucon, Chile, ISBN 978-956-7226-08-5

M. Finkbeiner (2009): **Carbon footprinting - opportunities and threats**,
International Journal of Life Cycle Assessment, 14 (2), pp. 91–94

M. Mischke, M. Finkbeiner, R. Ackermann (2009): **Vorkehrungen im ökologischen Risikomanagement der Berliner Behörden zur Gefahrenabwehr als Informationsbasis für PreussenRiskware**,
Simulation in Umwelt- und Geowissenschaften, J. Wittmann, M. Flechsig (ed.), Shaker-Verlag: Aachen, 2009, pp. 169-180, ISBN 978-3-8322-8219-6

M. Finkbeiner (2009): **Vom Umweltschutz zur Nachhaltigkeit**,
Müllmagazin, 2 (2009), pp. 4-9, ISSN 0934-3482

2008

M. Finkbeiner, K. Reimann, Y. Matsuno, A. Horvath, U. Pretato, M.-A. Wolf, D. Pennington, R. Pant (2008):
Evaluation of life cycle approaches for the development of environmental indicators in policy and decision making support,
The 8th International Conference on EcoBalance, December 10-12, Tokyo, Japan

M. Berger, M. Finkbeiner (2008): **How to measure Ressource Efficiency?**,
Proceedings of The 8th International Conference on EcoBalance, December 10-12, Tokyo, Japan

M. Berger, M. Finkbeiner (2008): **Indikatoren zur Messung der Resourceneffizienz Korrelationen & Abhängigkeiten**,
Rohstoffkongress 2008 - Von der Abfall- zur Rohstoffwirtschaft, November 27, Berlin, Germany

M. Traverso, G. Rizzo, C. Capitano (2008): **L'analisi del ciclo di vita del marmo: un questionario per un'indagine preliminare di settore**,
Proceedings of the ECOMONDO 2007 – 12th International Trade Fair of Material & Energy Recovery and Sustainable Development, November 5-8, Rimini, Italy, ISBN 978-88-387-4859-4

M. Berger, M. Finkbeiner (2008): **Methoden zur Messung der Ressourceneffizienz**,
Berliner Rohstoff- und Recyclingkonferenz, November 5- 6, Berlin, Germany

K. Reimann, M. Finkbeiner (2008): **Perspektiven der Produktverantwortung - vom Abfall zur Ressource**,
7. Sächsischer Kreislaufwirtschaftstag, September 18, Freiberg, Germany

K. Reimann, S. Alber, M. Finkbeiner, N. Eikelenberg, I. Álvarez, M. Larrañaga (2008): **Sustainable Electrical & Electronic Systems for the Automotive Sector – SEES**,
Electronics Goes Green, September 8-10, Berlin, Germany

K. Reimann, M. Finkbeiner (2008): **Intelligent Planen. Herstellung und Nutzung bieten die größten Potenziale zur Reduzierung der Umweltbelastungen von Elektronik-Komponenten im Auto**,
Müllmagazin, 2 (2008), pp. 4-7, ISSN 0934-3482

H. Maas, N. Eikelenberg, J.C. Alonso, K. Reimann (2008): **Sustainable Electrical & Electronic Systems for the Automotive Sector**,
28th Automotive Electronics Conference "Elektronik im Kraftfahrzeug", April 23-24, Dresden, Germany

M. Prösler, P. Blickwedel, M. Finkbeiner, M. Franke, D. Harrison, F.-J. von Kempis, H.-J. Klüppel, H. Ortleb, F. Quella, E. Schmincke and J.-U. Thurner (2008): **Umweltinformationen für Produkte und Dienstleistungen**, Broschüre des Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit, Bundesverband der Deutschen Industrie e.V. (Ed.), Umweltbundesamt, ISSN 0407-8977

S. Schulz, R. Ackermann, M. Finkbeiner (2008): **Ökologische Risikoanalyse - ganzheitliches Risikokonzept unter Berücksichtigung ökonomischer und wahrnehmungsbezogener Konzept**, in: *Simulation in Umwelt- und Geowissenschaften*, J. Wittmann, M. Flechsig (ed.), Shaker-Verlag: Aachen, 2009, pp.139-152, ISBN 978-3-8322-8219-6

R. Ackermann (2008): **Verringerung der Stoffverluste aus technischer, ökonomischer und ökologischer Sicht**, Proceedings of 13. DBU-Sommerakademie, July 1-7, Ostritz Sankt Marienthal, Germany, ISBN 978-3 503 11003-2

2007

M. Finkbeiner (2007): **Nachhaltigkeitsbewertung von Produkten und Prozessen - vom Leitbild zur Umsetzung**, 12. Internationales Produktionstechnisches Kolloquium PTK 2007, October 11- 12, Berlin, Germany

M. Finkbeiner, A. Inaba, R. B.H. Tan, K. Christiansen, H.-J. Klüppel (2007): **The New International Standards for Life Cycle Assessment: ISO 14040 and ISO 14044** (Japanisch), *Journal of Life Cycle Assessment Japan*, 3 (1), pp. 58-64

K. Reimann, P. Mielke (2007): **Grundlagen für die Modellierung betrieblicher Nachhaltigkeitsleistung**, *Simulation in Umwelt- und Geowissenschaften*, J. Wittmann, V. Wohlgemuth (eds.), Shaker-Verlag: Aachen, 2007, pp. 167-177, ISBN 978-3-8322-6337-9

K. Reimann, A. Greif, G. Fleischer, N. Eikelenberg, W.-P. Schmidt, R. Poxhofer, J. C. Alonso, M. Larrañaga, S. Alber (2007): **Recycling of automotive electrical & electronic systems: The SEES Project**, IARC 2007, March 2007, Amsterdam, Netherlands

K. List, N. Boukis, R. Ackermann (2007): **Hydrothermal gasification of biomass vs. anaerobic fermentation – technology assessment under ecological aspects**, Proceedings of 15th European Biomass conference & exhibition, May 7-11, Berlin, Germany, ISBN 978-88-89407-59-X, ISBN 3-936338-21-3

R. Ackermann, P. Mielke, A. Konstantas (2007): **Anwendung der Systemtechnik am Beispiel der Galvanotechnik und Nachhaltigkeit**, *Simulation in Umwelt- und Geowissenschaften*, J. Wittmann, V. Wohlgemuth (eds.), Shaker-Verlag: Aachen, 2007, pp. 177-188, ISBN 978-3-8322-6337-9

2006

M. Finkbeiner, A. Inaba, R. B.H. Tan, K. Christiansen, H.-J. Klüppel (2006): **Results of the revision of the ISO-Standards for Life Cycle Assessment**, 7th International Conference on EcoBalance, November 14-16, Tsukuba, Japan

M. Finkbeiner, R. Hoffmann, K. Ruhland, D. Liebhart, B. Stark (2006): **Environmental Certificate of the Mercedes-Benz S-Class - Design for Environment and LCA results**, 7th International Conference on EcoBalance, November 14-16, Tsukuba, Japan

J. Dose, G. Fleischer, R. Ackermann (2006): **LCA based Product Development towards Sustainability**, The Second International Conference on Environmental Science and Technology (ICESST), August 19-22, Houston, Texas, USA

M. Finkbeiner, R. Hoffmann, K. Ruhland, D. Liebhart, B. Stark (2006): **Application of Life Cycle Assessment for the Environmental Certificate of the Mercedes-Benz S-Class**, International Journal of Life Cycle Assessment, 11 (4), pp. 240-246

M. Finkbeiner, A. Inaba, R.B.H. Tan, K. Christiansen, H.-J. Klüppel (2006): **The New International Standards for Life Cycle Assessment: ISO 14040 and ISO 14044**, *International Journal of Life Cycle Assessment*, 11 (2), pp. 80-85

M. Finkbeiner (2006): **ISO/TR 14062 gives Mercedes road map to designing environmentally friendly car**, *ISO Management Systems*, 2, pp. 29-33

2005

J. Hildenbrand, J. Marzinkowski, M. Kohla, G. Fleischer, R. Ackermann: **Developing efficient membrane technique in textile finishing processes – favourable for enterprises and the environment** *Proceedings of LCM 2005, Innovation by Life Cycle Management*, 5.9 - 7.9.2005, Barcelona, p. 136 – p. 140

2004

D. Hunkeler, K. Saur, G. Rebitzer, M. Finkbeiner, W. Schmidt, A. Jensen, H. Strandorf and K. Christiansen: **Life-Cycle Management** *SETAC Book ISBN 1-880611-77-5 , 104 pp, 2004*

W. Schmidt, E. Dahlqvist, M. Finkbeiner, S. Krinke, S. Lazzari, D. Oschmann, S. Pichon and C. Thiel: **Life Cycle Assessment of Lightweight and End-of-Life Scenarios for Generic Compact Class Passenger Vehicles** *International Journal of Life Cycle Assessment* 9 (6) 405 – 416 (2004)

M. Finkbeiner: Keynote Speech for Panel Discussion: **Life Cycle Assessment – The beauty and the challenge** *Sixth International Conference on EcoBalance in Tsukuba, Japan; 24.10-27.10.2004*

M. Finkbeiner, S. Krinke, D. Oschmann, T. Saegritz, S. Schäper, W. Schmidt and R. Schnell: **Data Collection Format for Life Cycle Assessment of the German Association of the Automotive Industry** *Sixth International Conference on EcoBalance in Tsukuba, Japan; 24.10-27.10.2004*

R. Ackermann, L. Meyer, H. Leibold, R. Mai, L. Schebek: **Analysis of the exergetic performance of a novel hot gas cleaning facility** *Van Swaaij, W.P.M. [Hrsg.] 2nd World Biomass Conf: Biomass for Energy, Industry and Climate Protection; Proceedings of the Conference held in Roma, Italy, 10.5 - 14.5.2004 Vol. I S.1114-17 Firenze, ETA ; München : WIP, 2004 ISBN 88-89407-04-2*

K. Ruhland, M. Finkbeiner, S. Griesser, R. Hoffmann, M. Binder, H. Schöch and T. Volz: **Process and Tools to support Design-for-Environment at the Mercedes Car Group** *4th international Automobile Recycling Congress, Genf, Schweiz, 10.03.-12.03.2004*

R. Ackermann, J. Bauer, K. Brandstädter, J. Buchgeister, H.-D. Haasis, H.-F. Hinrichs, A. Möller, H.-P. Schwalbe and A. Steinbach: **VDI Richtlinie 4090 Systemtechnische Methodik zur Planung und Steuerung umweltrelevanter Prozesse in der betrieblichen Praxis – Grundlagen und Allgemeines VDI 2004**

R. Ackermann and J. Buchgeister **Systemtechnische Methodik zur Planung und Optimierung umweltrelevanter Prozesse – Fallbeispiel Feuerverzinken** *Forschungszentrum Karlsruhe Nachrichten, Jahrgang 36 4/2004, S. 225-229 ISBN 88-89407-04-2*

R. Ackermann, L. Schebek, C. Düpmeyer: **Prozessverbesserung und Umweltentlastung durch Systemtechnik** *Kompetenznetzwerk 'Methoden in der Verfahrensentwicklung', Karlsruhe, 11.März 2004 Düsseldorf : VDI-Verl., 2004 S.87-97 (VDI-Berichte ; 1822)*

R. Ackermann: **Ecological and economic evaluation for electroplating SME's, UBA-Workshop Green Chemistry, 27.1 – 29.01.2004, Dessau**

2003

R. Ackermann: **LCA for optimization of electroplating SME's**
International Life Cycle Assessment / Life Cycle Management (LCA/LCM) Congress, Seattle, Washington, USA, 23.9 - 25.9.2003

R. Ackermann, A. Stadtherr: **Ökologische Betriebsoptimierung in der Oberflächentechnik 6.**
Industriefachtagung: Oberflächen- und Wärmebehandlungstechnik und 6. Werkstofftechnischen Kolloquium, Universität Chemnitz, 25.9 - 26.09.2003

R. Ackermann, A. Stadtherr: **Ecological plant optimization of electroplating SMEs** *Conference on Business Strategy and the Environment, Leicester, England, 15.9 - 16.09.2003*

R. Ackermann: **Ökoeffizienz durch Anlagenoptimierung am Beispiel von Vorbehandlungsverfahren**
Vortrag bei der Fa. Siemens, Berlin, 03.06.2003

M. Finkbeiner, S. Krinke, D. Oschmann, T. Saegritz, S. Schäper, W. Schmidt and R. Schnell: **Data Collection Format for Life Cycle Assessment of the German Association of the Automotive Industry**
International Journal of Life Cycle Assessment 8 (6) 379 – 381 (2003)

Y. Matsuno and M. Finkbeiner: Editorial: **Life Cycle Management and Life Cycle Assessment in Japan**
Gate to Environment, Health and Safety 3, 1-2, 2003

J. Dose, R. Ackermann, G. Fleischer: **Ökologischer Vergleich neuer Entsorgungs- und Recyclingkonzepte für Haushaltsgroßgeräte**
Handbuch Umweltwissenschaften, Hrsg.: Alpha Informations-GmbH, ISBN Nr. 3-9803983-5-8, Juli 2003 Lampertheim, S. 103-109

A. Ciroth, K. Gerner, R. Ackermann, G. Fleischer: **IT-Lösungen für den Bahnkreis – Datenbank- und Softwareentwicklung zur Darstellung der Umweltrelevanz von Schienenfahrzeugen**
Handbuch Umweltwissenschaften, Hrsg.: Alpha Informations-GmbH, ISBN Nr. 3-9803983-5-8, Juli 2003 Lampertheim, S. 95-102

A. Stadtherr, R. Ackermann, G. Fleischer: **Stoffstrommanagement hochreiner Schwefelsäure – Potentiale zur Umweltentlastung**
Handbuch Umweltwissenschaften, Hrsg.: Alpha Informations-GmbH, ISBN Nr. 3-9803983-5-8, Juli 2003 Lampertheim, S. 317-324

R. Ackermann, M. Huckhold, G. Fleischer, H. Külker: **Ökologische und ökonomische Beurteilung und Optimierung von Maßnahmen zur innerbetrieblichen Stoffkreislaufschließung beim Feuerverzinken von Stahl**
Handbuch Umweltwissenschaften, Hrsg.: Alpha Informations-GmbH, ISBN Nr. 3-9803983-5-8, Juli 2003 Lampertheim, S. 53-61

J. M. Marzinkowski, M. Medrow, J. Hildenbrand, R. Ackermann, G. Fleischer: **Prozessnahe Maßnahmen zum betrieblichen Umweltschutz in der Textilveredlung**
5. GVC-Abwasser-Kongress: *Prozessinterrierte und additive Verfahren der Abwasser- und Schlammbehandlung, Preprints Band 1, S. 153-160, Hrsg.: GVC – VDI Gesellschaft Verfahrenstechnik und Chemieingenieurwesen, Düsseldorf, 2003*

R. Ackermann: **Feuerverzinken von Stahlbauteilen. Ökologische und Ökonomische Betriebsoptimierung**
Vortrag zur Vortragsreihe: Neues aus der Umwelttechnik und Infrastrukturplanung, Technische Universität Darmstadt, 30.06.2003

A. Inaba, D. Hunkeler, G. Rebitzer, M. Finkbeiner, C. Siegenthaler and K. Saur: **Practical Tools and Thoughtful Principles for Sustainability**
International Journal of Life Cycle Assessment 8 (1) 1 – 5 (2003)

2002

M. Finkbeiner and S. Young: **Life Cycle Management – Management Systems and Auditing: Aims and Scope**
Gate to Environment, Health and Safety 2 (3) 2002

R. Ackermann, G. Fleischer, M. Huckhold, R. Kohlmeyer, E. Oetjen: **Studieren statt probieren – Modellgestützte ökologische und ökonomische Beurteilung von nasschemischen Oberflächenbehandlungsverfahren**
Metalloberfläche, MO 56 (2002) 12, S. 56-61, Hansa Verlag

M. Finkbeiner, K. Ruhland, H. Cetiner, R. Hoffmann and B. Stark: **Life Cycle Design – Methods, Procedures and Examples for the Application of Life Cycle Assessment in the Automotive Product Development Process**
Fifth International Conference on EcoBalance in Tsukuba, Japan; 07.11-09.11.2002

2001

M. Finkbeiner, K. Ruhland, H. Cetiner and B. Stark: **Life Cycle Engineering and Design for Environment of the Mercedes-Benz C-Class**
Environmental Sustainability Conference of the Society of Automotive Engineers in Graz, 26.-28.11.2001

2000

M. Finkbeiner and Y. Matsuno: **LCA in Japan – the Past, the Present, the Future**
International Journal of Life Cycle Assessment 5 (5) 253-254 (2000)

S. Hermann, R. Ackermann, G. Fleischer: **Module für eine Kupferbeize – Ökologische Betriebsoptimierung**
Metalloberfläche Jahrg. 54 (2000) Heft 3, S. 52-58

N. Ibal, R. Ackermann, G. Fleischer: **Den Gleitschleifprozess optimieren**
Metalloberfläche Jahrg. 54 (2000) Heft 4, S. 16-22

M. Huckhold, J. Hildenbrand, H. Külker, R. Ackermann, G. Fleischer: **Betriebserfolg durch Innovation – Ökologische Betriebsoptimierung einer Feuerverzinkerei**
Metalloberfläche Jahrg. 54 (2000) Heft 6, S. 53-57

S. Roth, K.-P. Martinek, R. Ackermann, G. Fleischer: **Säurepolieren von Bleikristall – Ökologische Betriebsoptimierung am Beispiel der Altsäuregewinnung in der Bleikristallproduktion**
Metalloberfläche Jahrg. 54 (2000) Heft 7, S. 42-46

N. Ibal, J. Hildenbrand, R. Ackermann, G. Fleischer: **Eloxalverfahren ökologisch und ökonomisch optimiert**
Metalloberfläche Jahrg. 54 (2000) Heft 9

R. Ackermann, S. Roth, G. Fleischer: **Nutzungsmöglichkeiten von Modellen naßchemischer oberflächenaktiver Verfahren**
Metalloberfläche Jahrg. 54 (2000) Heft 11, S. 33-34

K. Ruhland, M. Finkbeiner und B. Stark: **Organisation der Umweltgerechten Produktentwicklung DIN-Leitfaden Umweltge-rechte Produktentwicklung Beuth-Verlag, Kapitel 4.5 S. 1-6**

M. Finkbeiner: **Key Issues in LCA Methodology to meet the Needs of Manufacturing Industries**
Fourth International Conference on EcoBalance in Tsukuba, Japan; 31.10-02.11.2000

M. Finkbeiner, K. Ruhland, H. Cetiner, M. Binder and B. Stark: **Life Cycle Engineering as a Tool for Design for Environment**
Total Life Cycle Conference of the Society of Automotive Engineers in Detroit, USA, 26.-28.04.2000, Proceeding S.189

M. Finkbeiner: **LCA (ISO 14040) in the context of EMS (ISO 14001)**

JLCA Symposium: The role of LCA in ISO-14000 series and practical LCA in companies, Tokyo, Japan, 28.02.2000

R. Ackermann: **Ökologische Betriebsoptimierung zur Verfahrensverbesserung**

Umweltschutz im neuen Jahrhundert - Vom medialen Umweltschutz zum Sicherheitsdenken / Systemumwelttechnik und Abfallwirtschaft im Inst. f. Technischen Umweltschutz der TU Berlin; Neuruppin: TK-Verlag , 2000

S. Roth, R. Ackermann und G. Fleischer: **Modellgestützte Stoffflußanalyse für naßchemische, oberflächenaktive Fertigungsverfahren**

Metalloberfläche 54 (2000) 11

R. Kohlmeyer, K. Schöttler, M. Fuchs, R. Ackermann and G. Fleischer: **Optimierte Stoffflüsse - Ökologische und ökonomische Betriebsoptimierung bei der Oberflächenbehandlung von Flugzeugbauteilen**

Metalloberfläche 54 (2000) 10, S. 29-33

E. Oetjen, M. Voss-Hageleit, R. Ackermann and G. Fleischer: **Optimierte Oberflächenveredlung – Ökologische Betriebsoptimierung am Beispiel eines Galvanikautomaten zur dekorativen Oberflächenbehandlung**

Metalloberfläche 54 (2000) 9, S. 44 –49

R. Ackermann, G. Fleischer, S. Hermanns, N. Ibal, S. Roth: **Environmental and Economic Plant Optimization**

Proceedings Euromat 99 Volume 3 Microstructures, Mechanical Properties and Processes- Computer Simulation and Modelling, WILEY-VCH Verlag, Weinheim 2000

R. Kohlmeyer, A. Schiffer, R. Ackermann and G. Fleischer: **Chromschwefelsäurebeizen in einer Kunststoff-Galvanik**

Metalloberfläche 54 (2000) 2, S. 13-17

E. Oetjen, U. Gaedicke, U. Koopmann, W. Kimmich, R. Ackermann and G. Fleischer: **Versilbern optimiert-**

Ökologische Betriebsoptimierung zeigt vorteilhafteste Variante auf

Metalloberfläche 54 (2000) 5, S. 21 –25