

Bibliography

- [1] EVA II Synthesebericht, 2023
https://www.bafu.admin.ch/dam/bafu/de/dokumente/abfall/externe-studien-berichte/elektronik-verwertung-altfahrzeuge-projekt-eva2-synthesebericht.pdf.download.pdf/EVAlI_Synthesebericht_Schlussbericht.pdf
- [2] German Sustainable Development Strategy
<https://www.bundesregierung.de/resource/blob/974430/1940716/1c63c8739d10011eb116fda1aecb61ca/german-sustainable-development-strategy-en-data.pdf?download=1>
- [3] ORKAM, 2017
<https://www.umweltbundesamt.de/publikationen/optimierung-der-separation-von-bauteilen>
- [4] SCHMID D., ZUR-LAGE L. *Perspektiven für das Recycling von Altfahrzeugen*. Recycling und Rohstoffe, Vol. 7, 2014
- [5] K. E. Daehn, A. C. Serrenho, and J. M. Allwood. *How Will Copper Contamination Constrain Future Global Steel Recycling?* Environ. Sci. Technol. 2017, 2017 (51) pp. 6599–6606.
DOI:10.1021/acs.est.7b00997
- [6] How recyclable is the Fairphone 2? (<https://www.fairphone.com/en/2017/02/27/recyclable-fairphone-2/>)
- [7] KRINKE S. et al. 2009. *Recycling and DfR of multi-material vehicles (as part of 'Life cycle assessment and recycling of innovative multi-material applications')*. In: Proceedings of the International Conference 'Innovative Developments for Lightweight Vehicle Structures', May, 26–27th 2009, Wolfsburg, Germany (Volkswagen Head Office), ISBN: 978-3-00-027891-4, pp. 196–208
- [8] European Commission, Directorate-General for Environment (13 July 2023). Proposal for a Regulation on circularity requirements for vehicle design and on management of end-of-life vehicles
https://environment.ec.europa.eu/publications/proposal-regulation-circularity-requirements-vehicle-design-and-management-end-life-vehicles_en
- [9] WANG J., CHEN M. *Recycling of electronic control units from end-of-life vehicles in China*. JOM. 2011, 63 pp. 42–47 <https://doi.org/10.1007/s11837-011-0136-9>
- [10] Directive 2000/53/EC of the European Parliament and of the Council of 18 September 2000 on end-of life vehicles
- [11] Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE) (recast)
- [12] REUTER, M.A., VAN SCHAIK, A., BALLESTER, M., 2018. *Limits of the circular economy: fairphone modular design pushing the limits*. World Metall. – ERZMETALL 71 (2), 68–79. Ballester et al, 2017

- [13] VAN SCHAIK A., REUTER M.A., BOIN U.M.J., DALMIJN W.L. *Dynamic modelling and optimisation of the resource cycle of passenger vehicles*. Miner. Eng. 2002, 15 (11) pp. 1001–1016
- [14] REUTER M.A., VAN SCHAIK A., GEDIGA J. 2015. *Simulation-based design for resource efficiency of metal production and recycling systems, Cases: Copper production and recycling, eWaste (LED Lamps), Nickel pig iron*. Int. J. Life Cycle Assess. 20 (5), 671–693. <https://doi.org/10.1007/s11367-015-0860-4>
- [15] VAN SCHAIK A., REUTER M.A. (2014), Chapter 22: *Material-Centric (Aluminium and Copper) and Product-Centric (Cars, WEEE, TV, Lamps, Batteries, Catalysts) Recycling and DfR Rules*. In: Handbook of Recycling (Eds. E. Worrel, M.A. Reuter), Elsevier, 307-378 and Chapter 5 in 2nd Edition of Handbook of Recycling (2024) (Plus the two introductory chapters to the handbook.)
- [16] VAN SCHAIK A., REUTER M.A. (2012): *Shredding, sorting and recovery of metals from WEEE: linking design to resource efficiency*, In: Waste electrical and electronic equipment (WEEE) handbook (Edited by V. Goodship, University of Warwick, UK and A. Stevels, Delft University of Technology, The Netherlands), 2012, 163-211
- [17] HARKEMA S., RENSING P.A., DOMENSINO S.M.D.C., VERMEIJLEN J.M., GODOI BIZARRO D.E., VAN SCHAIK A. "Disassembly of in-plastic embedded printed electronics", Volume 450, 2024, 141837, ISSN 0959-6526, (<https://doi.org/10.1016/j.jclepro.2024.141837>)
- [18] JOCHER G. (2020). YOLOv5 by Ultralytics (Version 7.0) [Computer software]. (<https://doi.org/10.5281/zenodo.3908559>)
- [19] UNEP. In: *A Report of the Working Group on the Global Metal Flows to the International Resource Panel*. (REUTER M.A., HUDSON C., VAN SCHAIK A., HEISKANEN K., MESKERS C., HAGELÜKEN C., eds.). Metal Recycling—Opportunities, Limits, Infrastructure, 2013., <https://www.resourcepanel.org/reports/metal-recycling>