

- 1 Aalco. 2016. **Stainless steel: Alloying in elements stainless steel**. Aalco Metals Ltd, Conham, UK. http://www.aalco.co.uk/datasheets/Stainless-Steel_Alloying-Elements-in-Stainless-Steel_98.ashx
- 2 BAFU. 2002–2015. **Abfallstatistiken**. Bundesamt für Umwelt (BAFU), Bern. <https://www.bafu.admin.ch/bafu/de/home/themen/abfall/zustand/daten.html>
- 3 Bartzas, G., Komnitsas, K. 2015. **Life cycle assessment of ferronickel production in Greece**. Resources, Conservation and Recycling 105, Part A, 113-122. <http://www.sciencedirect.com/science/article/pii/S0921344915301154>
- 4 BFS. 2016. **Bevölkerungswachstum und -bestand**. Bundesamt für Statistik (BFS), Neuchâtel. <https://www.bfs.admin.ch/bfs/de/home/statistiken/bevoelkerung/stand-entwicklung/komponenten-bevoelkerungsentwicklung.assetdetail.324285.html>
- 5 Bunge, R. 2010. **Wertstoffgewinnung aus KVA-Rostasche**. KVA-Rückstände in der Schweiz – Der Rohstoff mit Mehrwert, Bern. <https://www.bafu.admin.ch/bafu/de/home/themen/abfall/publikationen-studien/publikationen/kva-rueckstaende-schweiz.html>
- 6 Butzer, S., Kemp, D., Steinhilper, R., Schötz, S. 2016. **Identification of approaches for remanufacturing 4.0**, 2016 IEEE European Technology and Engineering Management Summit (E-TEMS), pp. 1-6. <http://ieeexplore.ieee.org/document/7912603>
- 7 Dettli, R., Fasko, R., Frei, U., Habermacher, F. 2014. **Transformation der Abfallverwertung in der Schweiz für eine hohe und zeitlich optimierte Energieausnutzung**. econcept/Rytec, Zurich. https://www.econcept.ch/media/projects/downloads/2018/01/1407_6062_01_Schlussbericht_def_neues_Titelblatt.pdf
- 8 Eckelman, M. J. 2010. **Facility-level energy and greenhouse gas life-cycle assessment of the global nickel industry**. Resources, Conservation and Recycling 54, 256-266. <http://www.sciencedirect.com/science/article/pii/S0921344909001852>
- 9 EZV. 2017. **Swiss-Impex**. Eidgenössische Zollverwaltung (EZV), Bern. <https://www.swiss-impex.admin.ch/index.xhtml> 25.08.2017
- 10 EZV. 2016. **Swiss-Impex**. Eidgenössische Zollverwaltung (EZV), Bern. <https://www.swiss-impex.admin.ch/index.xhtml> 24.08.2016
- 11 Giutini, R., Gaudette, K. 2003. **Remanufacturing: The next great opportunity for boosting US productivity**. Business Horizons 46. [https://doi.org/10.1016/S0007-6813\(03\)00087-9](https://doi.org/10.1016/S0007-6813(03)00087-9)
- 12 Hatcher, G. D., Ijomah, W. L., Windmill, J. F. C. 2011. **Design for remanufacture: a literature review and future research needs**. Journal of Cleaner Production 19, 2004-2014. <http://www.sciencedirect.com/science/article/pii/S0959652611002319>
- 13 Hügi, M., Gerber, P., Hauser, A., Laube, A., Quartier, R., Schenk, K., Wysser, M. 2008. **Abfallwirtschaftsbericht 2008. Zahlen und Entwicklungen der schweizerischen Abfallwirtschaft 2005–2007**. Umwelt-Zustand Nr. 0830. Bundesamt für Umwelt (BAFU), Bern, p. 188.
- 14 ISSF. 2015. **Stainless Steel in Figures 2015**. International Stainless Steel Forum (ISSF), Brussels. http://www.insg.org/docs/issf_stainless_steel_in_figures_2015_english.pdf
- 15 Javaid, A., Essadiqi, E. 2003. **Final Report on Scrap Management, Sorting and Classification of Steel**. Report No. 2003-23(CF). Environment Canada, Ottawa. [https://www.nrcan.gc.ca/sites/www.nrcan.gc.ca/files/mineralsmetals/pdf/mms-smm/busi-indu/rad-rad/pdf/2003-23\(cf\)cc-eng.pdf](https://www.nrcan.gc.ca/sites/www.nrcan.gc.ca/files/mineralsmetals/pdf/mms-smm/busi-indu/rad-rad/pdf/2003-23(cf)cc-eng.pdf)
- 16 Kerfoot, D. G. E. 2000. **Nickel**. Ulmann's Encyclopedia of Industrial Chemistry. Wiley-VCH Verlag GmbH & Co. KGaA. http://dx.doi.org/10.1002/14356007.a17_157
- 17 Kral, U., Vyzinkarova, D., Brunner, P. H. 2015. **Schutz und Nutzung von Senken durch die Zürcher Abfall- und Ressourcenwirtschaft. Studie im Auftrag des Amtes für Abfall, Wasser, Energie und Luft des Kantons Zürich**. TU Wien, Wien. http://www.awel.zh.ch/internet/baudirektion/awel/de/abfall_rohstoffe_altlasten/zahlen_und_fakten/senkenbetrachtungen.html
- 18 Kurilova-Palaisaitiene, J., Sundin, E. 2014. **Challenges and Opportunities of Lean Remanufacturing**. International Journal of Automation Technology 8, 644-652. <http://urn.kb.se/resolve?urn=urn:nbn:se:liu:diva-120764>
- 19 Lepinski, J. A., Myers, J. C., Geiger, G. H. 2000. **Iron**. Kirk-Othmer Encyclopedia of Chemical Technology. John Wiley & Sons, Inc. <http://dx.doi.org/10.1002/0471238961.0918151412051609.a01.pub2>
- 20 Martens, H., Goldmann, D. 2016. **Recyclingtechnik: Fachbuch für Lehre und Praxis**, 2. ed. Springer Verlag, Dordrecht.
- 21 Mudd, G. M. 2010. **The „Limits to Growth” and ‘finite’ mineral resources: Re-visiting the assumptions and drinking from that half-capacity glass**. Proceedings of the 4th International Conference on Sustainability Engineering & Science: Transitions to Sustainability. The Sustainability Society, Auckland (New Zealand). <http://www.thesustainabilitysociety.org.nz/conference/2010/papers/Mudd.pdf>
- 22 Nasr, N., Hilton, B., German, R. 2011. **A Framework for Sustainable Production and a Strategic Approach to a Key Enabler: Remanufacturing**, in: Seliger, G., Khraisheh, M. M. K., Jawahir, I. S. (Eds.), Advances in Sustainable Manufacturing: Proceedings of the 8th Global Conference on Sustainable Manufacturing, Springer Berlin Heidelberg, Berlin, Heidelberg, pp. 191-196. http://dx.doi.org/10.1007/978-3-642-20183-7_28
- 23 Nathani, C., Schmid, C., van Nieuwkoop, R. 2011. **Schätzung einer Input-Output-Tabelle der Schweiz 2008. Schlussbericht an das Bundesamt für Statistik**. Bundesamt für Statistik (BFS), Rüschlikon/Bern.
- 24 Oryx Stainless. 2010. **CO₂-Reduktion durch intelligentes Recycling von Edelstahl-schrott**. Oryx Stainless, Mülheim an der Ruhr/Dordrecht. http://www.efirst.de/kunden/oryx/de/webform2042010_d.pdf
- 25 Papp, J. F. 1996-2016. **1994–2014 Minerals Yearbook. Chromium**. U.S. Department of the Interior /U.S. Geological Survey, Reston, VA. <http://minerals.usgs.gov/minerals/pubs/commodity/chromium>
- 26 Papp, J. F., Corathers, L. A., Edelstein, D. E., Fenton, M. D., Kuck, P. H., Magyar, M. J. 2007. **Cr, Cu, Mn, Mo, Ni, and Steel Commodity Price Influences, Version 1.1**. U.S. Geological Survey (USGS), Reston, VA. <https://pubs.usgs.gov/of/2007/1257/ofr2007-1257v1.1.pdf>

- 27 Papp, J. F., Lipin, B. R. 2000. **Chromium and Chromium Alloys**. Kirk-Othmer Encyclopedia of Chemical Technology. John Wiley & Sons, Inc. <http://dx.doi.org/10.1002/0471238961.0308181523051920.a01.pub3>
- 28 Pauliuk, S., Milford, R. L., Müller, D. B., Allwood, J. M. 2013. **The Steel Scrap Age**. Environmental Science & Technology 47, 3448-3454. <http://dx.doi.org/10.1021/es303149z>
- 29 Pauliuk, S., Wang, T., Müller, D. B. 2013. **Steel all over the world: Estimating in-use stocks of iron for 200 countries**. Resources, Conservation and Recycling 71, 22-30. <http://www.sciencedirect.com/science/article/pii/S0921344912002078>
- 30 Reck, B. K., Chambon, M., Hashimoto, S., Graedel, T. E. 2010. **Global Stainless Steel Cycle Exemplifies China's Rise to Metal Dominance**. Environmental Science & Technology 44, 3940-3946. <http://pubs.acs.org/doi/pdfplus/10.1021/es903584q>
- 31 Reck, B. K., Rotter, V. S. 2012. **Comparing growth rates of nickel and stainless steel use in the early 2000s**. Journal of Industrial Ecology 16, 518-528. <http://onlinelibrary.wiley.com/doi/10.1111/j.1530-9290.2012.00499.x/full> - footer-support-info
- 32 SGTK. 2004. **Rohstoffinventar der Schweiz**. Schweizerische Geotechnische Kommission (SGTK), Zürich. <https://map.sgtk.ch> 11.07.2016
- 33 Stock, T., Seliger, G. 2016. **Opportunities of Sustainable Manufacturing in Industry 4.0**. Procedia CIRP 40, 536-541. <http://www.sciencedirect.com/science/article/pii/S221282711600144X>
- 34 Swissmem. 2016. **Panorama 2015. Zahlen und Fakten**. Swissmem, Zürich. http://www.ub.unibas.ch/digi/a125/sachdok/2016/BAU_1_2202620_2016.pdf
- 35 Swissmem. 2017. **Panorama 2016. Zahlen und Fakten**. Swissmem, Zürich. https://www.swissmem.ch/fileadmin/user_upload/Swissmem/Publikationen/Panorama/2016_Panorama_DE.pdf
- 36 Swissmem. 2017. **Swissmem Network I/2017**. Swissmem, Zürich. https://www.swissmem.ch/fileadmin/user_upload/Swissmem/Dokumente/Sonstiges/Swissmem_0117_D_Network-web.pdf
- 37 Tundermann, J. H., Tien, J. K., Howson, T. E., Updated by Staff 2000. **Nickel and Nickel Alloys**. Kirk-Othmer Encyclopedia of Chemical Technology. John Wiley & Sons, Inc. <http://dx.doi.org/10.1002/0471238961.1409031120211404.a01.pub3>
- 38 USGS. 2013. **Metal prices in the United States through 2010: U.S. Geological Survey Scientific Investigations Report 2012-5188**. U.S. Geological Survey (USGS), Reston, VA. <http://pubs.usgs.gov/sir/2012/5188>
- 39 USGS. 2017. **Mineral commodity summaries. Nickel**. U.S. Geological Survey (USGS), Reston, VA. <https://minerals.usgs.gov/minerals/pubs/commodity/nickel/mcs-2017-nicke.pdf>
- 40 World Steel Association. 2014. **Steel Statistical Yearbook 2014**. World Steel Association, Brussels. <https://www.world-steel.org/steel-by-topic/statistics/steel-statistical-yearbook-.html>
- 41 Yellishetty, M., Mudd, G. M., Ranjith, P. G., Tharumarajah, A. 2011. **Environmental life-cycle comparisons of steel production and recycling: sustainability issues, problems and prospects**. Environmental Science & Policy 14, 650-663. http://ac.els-cdn.com/S1462901111000669/1-s2.0-S1462901111000669-main.pdf?_tid=d-f0fe22e-b780-11e4-9888-00000aab-0f02&acdnat=1424272665_b9c4d3fc24e40b-52b2897687608f3282