

	Tool / methodology type	Branch focus	Life cycle focus	weighting of life cycle aspects	level of analysis	for free (webbased)	Comments
Guidelines / Checklists / Handbooks							
ECMA 341 - Environmental design considerations for ICT & CE products http://www.ecma-international.org/publications/files/ECMA-ST/Ecma-341.pdf	guideline / checklist / standard	ICT and CE	full life cycle	no	moderate	yes	
Electrical and Electronic – Practical EcoDesign Guide (Rodrigo, J., Castells, F.: <i>Electrical and Electronic Practical Ecodesign Guide</i> , University Rovira I Virgili, 2002, ISBN: 84-8424-010-X)	teaching material / guideline	electrical / electronics	full life cycle	no	detailed	no	very comprehensive, starting from the basics
ECODESIGN PILOT http://www.ecodesign.at/pilot/ONLINE/ENGLISH/INDEX.HTM	guidance for identifying design options	electrical / electronics	full life cycle	ranking	moderate	yes	recommended for a first product assessment and to set eco-design priorities
A Designer's Guide to Eco-Conscious Design of Electrical & Electronic Equipment http://www.ecodesignguide.dk/	teaching material / guide / screening tool	electrical / electronics	full life cycle	no	moderate	yes	modular approach with 3 downloadable spreadsheets
Smart ecoDesign™ checklists http://www.cfsd.org.uk/seeba/	checklist	electrical / electronics	full life cycle	no	detailed	yes	
Eco-design Health Check http://www.inem.org/Default.asp?Menue=190	checklist	electrical / electronics	various life cycle aspects	no	very rough	yes	gives a first, very rough overview (management check)
Guide: Sustainable design of electrical and electronic products to control costs and comply with legislation http://www.envirowise.gov.uk/	teaching material / guide	electrical / electronics	full life cycle	no	moderate	yes	
Environmental management system assistance							
EMAS Toolkit for small organisations http://www.inem.org/new_toolkit/	environmental management guide	no branch focus	EMS relevant aspects	no	moderate	yes	focus on implementing an environmental management system (eco-design to be seen as a sub-aspect)
Ecomapping http://www.inem.org/default.asp?menue=93&ShowNews=ON&Artikel=34	screening of environmental performance of an organisation	no branch focus	EMS relevant aspects	no	moderate	yes (registration required)	focus on implementing an environmental management system (eco-design to be seen as a sub-aspect)
Screening / Management methodologies and tools							
Fraunhofer IZM / EE Toolbox http://www.pb.izm.fhg.de/ee/070_services/75_toolbox/index.html	screening tools	electrical / electronics	various life cycle aspects	no	moderate	yes (toxicity assessment)	
KEPI – Key Environmental Performance Indicators http://europa.eu.int/comm/environment/ipp/pdf/nokia_mobile_05_04.pdf	design indicators	mobile phones	various life cycle aspects	development of indicator based on weighting	low	published	serves as a good example what are the decisive design parameters (not directly transferable to other product groups)
TESPI – Tool for Environmentally Sound Product Innovation http://www.ecosmes.net/tespi/login2	benchmarking tool	no branch focus	various life cycle aspects	no	moderate	yes (registration required)	sets environmental aspects in context to product features / customer satisfaction, recommended to set priorities for redesign options

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Screening / Management methodologies and tools							
Smart ecoDesign™ (Electronics) strategy wheel http://www.cfsd.org.uk/etmuel/tools.htm#stratwhee	screening tool	electronics	various life cycle aspects	no	low	yes	
QWERTY / EE concept http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?tp=&arnumber=1331571&isnumber=29408	eco-efficiency assessment tool	electrical / electronics	recycling	partly based on eco-indicator 99	detailed	published	rather a "policy" tool than a design tool
Eco-Efficiency Analysis (BASF) http://corporate.basf.com/en/sustainability/oeoeffizienz/?id=V00-lpa6V7eHlbcp0Lt	eco-efficiency assessment tool	chemical industry background, but also applicable for other branches	full life cycle	yes	detailed	no, but methodology principles published	
Life cycle assessment methodologies and databases							
Eco-Indicator 99 http://www.pre.nl/eco-indicator99/default.htm	impact assessment methodology	no branch focus	yes	yes	detailed	methodology report published	state-of-the-art in one-indicator LCAs
ProBas http://www.probas.umweltbundesamt.de/php/	life cycle data (database)	no branch focus	yes	no	-	yes	in German only, limited data for electrical / electronics sector
EcoInvent http://www.ecoinvent.ch/	life cycle data (database)	no branch focus	yes	no	-	no	extended data for electrical / electronics sector in version 2.0, implemented in several commercial LCA tools
APME/Boustead data http://www.plasticseurope.org/Content/Default.asp	life cycle data	plastics industry	yes	no	-	yes	data on some basic / bulk materials
ELCD database v 1.0.1 http://lca.jrc.ec.europa.eu/lcainfohub/datasetArea.vm	life cycle data (database)	no branch focus	yes	no	detailed	yes	European Life Cycle Database, 115 datasets, but none electronics specific
Life cycle assessment tools – screening and full-scale							
EIME - Environmental Information and Management Explorer http://www.codde.fr/eng/EIMEOutIIEcconception.html	LCA tool	electrical / electronics	full life cycle	no	detailed	no	
eVerdEE http://www.ecosmes.net/cm/navContents?l=EN&navID=Info&subNavID=1&pagID=6	LCA tool	no branch focus	yes	yes	detailed	yes (registration required)	specifically for SMEs
EUP EcoReport http://ec.europa.eu/energy/efficiency/ecodesign/doc/studies/eup_ecoreport_v5.xls	assessment tool	electrical / electronics	full life cycle	no	moderate	yes	developed for basic product group studies, not as an operative eco-design tool
GaBi http://www.gabi-software.com/	LCA tool	no branch focus	full life cycle	optional	detailed	no	
GaBi DFX www.gabi-software.com	LCA tool	industrial (automotive and electronic) and commercial application	yes	yes	detailed	no	
SimaPro http://www.pre.nl/simapro/	LCA tool	no branch focus	full life cycle	optional	detailed	no	

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Umberto http://www.umberto.de/en/	LCA tool	no branch focus	full life cycle	optional	detailed	no	
IDEMAT http://www.idemat.nl/	life cycle and materials data (database)	no branch focus	full life cycle	optional	detailed	no (just some examples available)	
LCA-E http://extra.ivf.se/lcae/	screening LCA tool	printed circuit boards / electronic assemblies	full life cycle	optional	moderate	yes	in Swedish only
LCALight http://project.imi.chalmers.se/LCALight/Codenew/GUI-LCALight-Frame.asp?selected_project_id=Anonymous10310514157661 http://www.dantes.info/Tools&Methods/Software/webbasedtools_LCALight.html	screening LCA tool	electrical / electronics	full life cycle	no	moderate	yes	useful to train LCA principles
World Wide LCA Workshop http://workshop.imi.chalmers.se/workshop/	project management & LCA tool	no branch focus	yes	yes	moderate	yes	
EuPmanager http://www.simppl.com/index.php?option=com_content&view=article&id=73&Itemid=72	LCA tool	EuP products	yes	no	moderate	no	Transposition of the EuP EcoReport (see above) into a user-friendly software tool
CMLCA http://www.cml.leiden.edu/software_cmlca.jsp	LCA tool	no branch focus	yes	yes	moderate	yes (non-commercial use only)	supports technical aspects of LCA procedure, not the procedural aspects (it assumes the user is aware of the basic principles of LCA)
EIO-LCA http://www.eiolca.net/	LCA tool regarding economic activities	no branch focus	full upstream modelling	no		yes	Based on economic parameters
Greenfly http://www.greenflyonline.org/index.php	designing tool using LCA and EcoDesign	developing of products	yes	no	moderate	yes (registration required)	intended to designers, engineers, manufactures and management, bulk materials only, not suitable for electronics circuit design; entries directly linked to useful ecodesign strategies

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