	Generals:			Results:	1	Applicatio	n:					Data/database		T T		Miscellaneous:							
Aspect/ criterion	Tool name	Software/ paperwork/	short description	from tool	description of result presentation/visualisation	intended usen	applicable within design	technical assessment	ecological assessment	economic assessment	social assessment	applicable to products	quality of database/data gaps and uncertainties	documentation of data	specific focus on	comments	pros - cons (e.g. user friendliness,	designation	Further Information available	price	date of last version		
		nenco		descriptive/ creative)			process - preferred one- indicator-					system			products and industry		easy-to-understand, intuitive handling, support by						
Area of tool							solution										producer)						
eco-design																							
(relating to design and																							
manufecture																							
(focus on materials processes, designs																							
functions etc.)																							
	Galli 4 DIX	Software and DB	dentical base function as Gafi 4 rius additions	evaluative	same as Gaži 4 plus: desenamble recent description	environmental decastmenta in	yes (by help of	modelling of technical	LCA, various	full integration of accountic aspects	integration of social aspects	yes	good quality, transparent data sale	yes, linked himi	extension DB "electronics"	the extension for stravbart Galli A	fieable and well- structured DB	PE Europe	htip://www.gabi- scituses.de/	Gabi 4 DIX	Gabii + Gabii Dire		
		(additional function for GaBi	Material analysis and material tracking through the		- automated disassembly procedur End of Life evaluation	industry, environmental	obal parameters	,,,	single point indicators	(LCC) and End of Life disastembly	Cycle Working Time, LCWT)		(documentation), wide range of data, relating to	(soon ami based)	avallable	relating to compliance	manager, easy importiesport: KP/PE		http://www.ibocabi.uni-	EURO Ineeds Gabi	Sept. 2005		
		4 atandard)	entire LCA model EoL assessment based on		- report templates for compliance sheets	experts, LCA interested or	and parameterisce			costs			various industry and market fields (e.g.			assessment for vehicle durective,	consortium supports Galli since more than		stuffgart.de/	4 professional)			
			variable material analyses - economic + ecological			nelated	nario analyst), one indicator						automotive, electronics, buildings, renewable			WEEE, RoHS, EuP, material assessment	10 years, LCA and software training on		http://www.pe- europe.com/				
			assessment of EoL within the LCA model				actual actu						(plastic, metals,			and its traceability and End of	group is largest LCA						
			aspects for vehicle directive,										of Life/recycling,			assessment	group wondwide						
	Galli 4 i-report	software	extension of Galli 4	evaluative	same as Gabi 4 plus:	environmental	y85,	modelling of technical	support by	support by	support by interactive report	y83	based on GaBi 4	based on Gabi -	extension DB	the ecodesign tool	how to handle can be	PE Europe	http://www.gabi-	Gabi 4	GaBi4 +		
		(additional to GaBi 4)	professional with: - parameter modelling (easy	and descriptive	 possibility to define diagrams and tables 	departments in industry,	intentionally through	processes prerequisit	interactive report template,	interactive report template, full	template, integration of social supects related to functional unit				"electronics" available	for CEM and SME through and	defined through the model and the		software.de/	publisher + i- report	GaBi 4 publisher		
			access on technical parameters)	(the model defines type	 selection of individual inventories or impact categories 	externals, stakeholders,	provision of predefined		LCA, various impact methods	integration of economic aspects	(Life Cycle Working Time, LCWT)					automated support is communicating	interactive report, thus all details and		http://www.ibpgabi.uni- stutigart.de/	12.000,- EURD	and GaBi 4 I report: Sept.		
			automated report templates adapting LCA results without	t of result provision)	individual text, which interactively (according to model parameter	ing department	models, evariable by		single point indicators	(LCC) and End of Life disassembly						environmental result	experibeginner levels possible		http://www.pe-	(needs Galli	2006		
			- easy distribution of		second) adapts to model second		parameters			CORE									europe.com	profession a)			
			without LCA software preparation for EuP learning				language), all environmental																
			support in EPD reporting envil product declaration)				repults in reporting																
							possible (also single																
						<u> </u>	indicators)																
	DIME	software	It is aimed at helping designers to take account of	quantitative tendencies	spider diagramm, impact categories, modular product	designers/ marketing	yes (no single indicator)	by modelling the produc structure	yes	60	no	to PSS due to lack of	fast modelling and result generation payed by high	7	electronics focus	project outcome based on industry	high user friendliness, easy to handle, lack	?	>	2	?		
			environmental constraints as early as the product design.		structure, warning and to do messages	people						available modules for	grade of uncertainty			developments, funded by French	of quality of information base,						
			Environmental impacts of a product are assessed throug	e								services				Environmental Agency (ADEME)	support is unknown, client server						
			which is based on the use of														NONSCURE						
1			(components, materials, linko processes)		1	1						1								1			
	Eco-efficiency	Software also	A tool developed to assist	Cvaluative &	1. Self Assessment this crables	Experts & non	Yes, but more	Production &	Assessmentel	It optimizes total cos	Examines management role in	Yes, but	Good, mainly based on	Yes	Yes	Can be downloaded	Available in both	Strategis Canada,	Nip://sinslegis.ic.gc.cs/epi	Free	2003		
1		available as word document and	Small & Medium Sized (SME) manufacturers to	Descriptive	you to determine the current level eco-efficiency activities in your	experts. It is extremely	like a checklist. It is may also	Olatribution It evaluates the efficiency	company's efforts to	of goods and supplies (including	improving corporate financial performance & competitiveness	there may be problems	Canadian and North American database.			or used on-line. The software	French & English.	Canada's Business & Consumer abs.	c/internet/inice- ee.nst/vwGeneratedinterE	ł			
1		acrobat files	sevelop an eco-efficiency program that is custom	1	company. <u>2. Strategic Planning</u> provides a tranework to develop a	user triendly. In a typical	be useful in product re-	or your inputs (energy and material) and output	improve resource,	use & disposal costs and Supply Chain	prough eco-efficiency	sellning system	1			comments &			eru0012e.html	1			
1			needs.	1	 Benefit-Cost Analysishelps 	user should	undign.	provides a stimulus for creation instruction	material efficient	area.itincy.		wundanes				might improve the				1			
1		1	1	1	eco-efficiency buck. 4. Graphical support	knowledge of his/her	1	solutions and productive improvements	through analysis of	1	1	1	1			Information should be sent to				1			
						organization			questionnaires							vancamp.tom @ic.go							
	Smart eccDesign™	simple software	simple evaluation tool developed and useable for			originally for manufacturers,	highlights lack of knowledge						no D6 available			outcome of EC funded project		cooperation of TU Delft and CFSD		bee beolnwob			
	(Liectonics) Strategy Wheel		rang search			supply chain	environmental																
	Eco-design						lifecycle									outcome of EC		cooperation of TU		766			
	strategy wheel Eco-design	electronic paper	primarily a product-related			the tool was							not data related		yez	tunded project outcome of EC	many elements are	Delit and CFSD cooperation of TU		download free			
	(Version 2)	work	electronics companies -			used as a starting point of										runded project	companies	Delitiand CPSD		GOWINGING			
	Eco-design and	booklet	hom WEEE + RohS help companies identify key			companies supply chain							not data related			outcome of EC		cooperation of TU		1104			
	supply chain management		asues related to eco-design and supply management			actors										funded project		Delit and CFSD		download			
	healthcheck	work	contact to life cycle thinking			supply chain							not data related			funded project		Delit and CFSD		download			
	Eco Estimator (Philipps 1997)	Paperwork	Questionnaire in four parts: product life, energies and	Evaluative	Enable to compare two projects an determine quantitative objectives	Designers, byvers and	Useful in design or																
			materials, recyclability, dangerous wastes. This			production non experts	redesign process																
			approach is associated with : quantitative evaluation.	3																			
	(Philipps 1997)	Paperwork	questions : Energy	CHELSONE	determine quantitative objectives	experts	design or																
			Recyclability increase? Use of decourses materials?				process																
			Durability? Functionality optimal?																				
	Design for	Paperwork	Evaluation of seven	Evaluative	Enable to compare two projects an	Designers,	Useful in																
	(Fraunholer		Materials' recyclability,		determine quantitative objectives	production non	redesign																
	Deutch()		associability, use of decourses substances			expens	process																
			product structure, traceability of materials, end of life.	r																			
			These characteristics can be estimated as : ideal,																				
			acceptable, to increase.																				
				1		L						<u> </u>								<u> </u>			
eco-design (relating to				1	1						ĺ												
use and				1	1	1						1								1			
consumer obase)			L	1		1			<u> </u>			1			L					1			
consumption, life		1	1	1		1	1		1	1	1	1	1			1				1			
	Energy Contained	paper work	Ofference between amount	evaluative	micajoules/step of life	Eco Designers	For the	Provides informatives to	Human toeir®~	10	19	Yes, it can	Depend of the	,	10	Use of this type of	Easy to use and to	Contenu eneroil****	Nome ISO NEX 20-110	194			
1			of energies used and restitued at every step of the			Environmental Experts	comparaison between	decreasing consomation of energy		1		be applicate to transport,	information research. It can be use LCA data		Ľ	method it's dangerous because	understand the impact for designers		1.00				
L			product life	-		1	different solutions		1			media	base or bibliography research.		L	only one impact it's take into account.				I			
one desire				1		L				-		 			 					 			
(relating to				1	1	1						1								1			
(focus on mountability						1			1						-								
disassembly etc.)	ATROID	Software and FM	Tool for Eco-dealon and	Craluative	Graphical Support. Quantitative	Environment**	Yes, especially	Provides options for	Recycline	Integration of	integration of social aspectr	Yes, but	Good enough but them in	Yes	Yes	The software har	Supported by LCE	LG Production	Hip: Pewe shold com	8. 700 EUIP/	2001		
1		management	Dismantling Analysis		Description, Inventory, Export Function	experts, Eco- designers,	for product re- design	designing improved, ecc efficient products.	Potential	economic aspects related to prevailing	related to functional units (dismanting time, dismanting	there may b problems	still room for improvements especially	l.	1	incorporated information that help	Consulting GmbH, they also offer training	Engineering Center, LCE Consulting					
1		1		1		Research Institutes,	1	Also for E-O-L Performance	1	cost since the tool is flexible to permit	analysis). Scretimes there are problems relating to the accuracy	defining system	1.information on recycling technology			in achieving conformity of current	upon request.	GmbH, Technical University		1			
1				1	1	Consultancies				input. Provides	or damantling times provided by the solware and that obtained in the solware and the s	coundaries	opsons of materials. 2.Information on			legislations such as		praunachweig		1			
1		1		1				1	1	cost.	should be the possibility for the user to input his own timing ~	1	responsible for electrionilic revolution in			RoHS.				1			
											future updates of this software.		Europe.										
	GDA	erawfoa	analysis of product Demanutecturability	Evaluative	indicators for toxicity, energy use and resource use depending on	environmental experts,	combination into a single	(interconnections and	on behall of some indicators	costs of disassembly times (workload and	no	product focused	small database, but good to enlarge specifically	7	no	2	7	?	2	2	°	Т	_
1				1	und or recycling processes regarding: the Number of Materials Maxe: Recyclined Material	EoL actors	representing	enxs of parts) is base of the cost and environmental evolution	(i.e. indicators for toxicity,	processing) are content of evaluation (Costs for		1								1			
1		1		1	Recyclability, Tosicity, Energy Use Time for Disassemble and		environmental impact using		resource use depending or	diamanting, teveryagirnat for		1	1			1				1			
1		1		1	Dismanifing Cost at its end-of-life; also some result description and		Multi-Attrbute Value Theory	1	kind of recycling	recycling, cost for disposal)		1	1			1				1			
1		1		1	some general design recommendations		1	1	processes regarding)	1.1.1		1	1			1				1			
	(FORGIS)	erantos	deacriptiv (graphical) product structure based on	: ?	2	recycles/produc er	>	modelling structure reflects technical asymm	no	no	no	50	,	7	no			FORGIS		about 7.500 EURD		1	
1		1	konstructive and material based criteria; offers	1				and EoL procedures	1	1		1	1			1				Ľ .			
L			solutions for disassembly an recyclying routes	d	Collinson Collinson				101						and second second second		for the sector of the		in the set	Come a pro-	Control Day		
1	usadi 4 LITA	management (additional	Gabi 4 plus additions: - Material analysis and	wv30.023/6	 disassembly process description automated disassembly provider 	departments in industry.	process/plan/gl obal	processes prerequisit	impact methods single point	economic aspects (LCC) and End of	related to functional unit (Life Cycle Working Time, LCWT)	pe3	data sets (documentation), wide	pes, inked tittl documentation (soon ami	"electronics" svalable	standard Gabi 4 relating to	structured DB manager, easy	r u ultope	software.de/	15.000,- EURD	Sept. 2005		
1		function for GaBi 4 standard)	material tracking through the entire LCA model	1	End of Life evaluation report templates for compliance	environmental experts, LCA	parameters and		Indicators	Life disassembly costs		1	range of data, relating to various industry and	based)		compliance assessment for	import/export; KP/PE consortium supports		http://www.ibpgabi.uni- stuttgart.de/	(needs Galli 4			
1			EoL assessment based on variable material analyses	1	sheets	interested or related	parameterisce nario analyst),		1	1	1	1	market fields (e.g. automotive, electronics,			vehicle durective, WEEE, RoHS, EuP,	GaBi since more than 10 years, LCA and		http://www.pe-	professional)			
1			economic + ecological assessment of EoL within the		1	1	one indicator solution					1	buildings, renewable resources, materials		1	material assessment and its traceability	software training on request; IKP and PE		europe.com/	1			
1		1	- inclusion of compliance	1		1	_name.00		1	1	1	1	minerals), energies, End			Life/recycling	group worldwide			1			
1	1	1	and a construction of accord,	1	1	1	1		1	i i		1		1					1	1	. 1		