

7. Annexes

7.1. Annex A. List of existing LCSA methods, tools and databases

Non-exhaustive list of existing webtools, software tools, methods/indicators, databases and data standards used to carry out analyses needed for a full or partial LCSA at the product level (v2.0 – March 2024). The list was developed by gathering all initiatives known by the authors of this report.

Notes:

- To increase its accessibility for new users, the list is also available separately via an online interactive interface using [Google Docs](#).
- The estimated number of users is indicative only and unknown for most entries.
- No harmonised full LCSA method exists yet. The ORIENTING project has developed the first LCSA methodology ready for implementation.
- Several methods/indicators have been reviewed in ORIENTING reports D1.4 and in D2.2

Name & weblink	Developer(s)	Focus	Sector	Type	Target groups	Estimated # of users
2030 Calculator	Doconomy	Carbon footprint	Cross sectoral	webtool	SMEs	
AtSource	Olam	LCA	Agriculture	software tool		
Carculator	PSI	LCA, carbon footprint	Transport	webtool		
Circular Transition Indicators (CTI4.0)	World Business Council for Sustainable Development (WBCSD) and Circular IQ	Circular economy	Cross sectoral	webtool, method / indicator	large companies and SMEs	2.000+
Circularity Assessment Tool (previously: Circle Assessment)	Ganbatte - Powered by Circle Economy	Circular economy	Cross sectoral	webtool	companies	
Circularity Calculator	IDEAL & CO Explore	Circular economy	Cross sectoral	webtool	companies	
Circularity Check	Ecopreneur.eu, MVO Nederland and WeSustain (now part of Cority)	Circular economy	Cross sectoral	webtool	SMEs, but also large companies, investors, students, trainings	1.000+
CleanCO2	Anthesis Lavola	LCA, carbon footprint and compensation	Cross sectoral	webtool	SMEs; large companies	20
Cradle-to-cradle	Cradle to cradle Products innovation institute	Circular design and certification	Cross sectoral	method / indicator	companies	206

Name & weblink	Developer(s)	Focus	Sector	Type	Target groups	Estimated # of users
CSR RISK CHECK	MVO Nederland	CSR risks in different countries	Cross sectoral	webtool	companies that are importing from or have production facilities in foreign countries	
ecoinvent	ecoinvent	LCA	Cross sectoral	database	companies, consultancies, researchers	20.000+
EIME - Environmental Improvement Made Easy	CODDE - Bureau Veritas	LCA	Cross sectoral	software tool		
emis	Vito / Flemish government	LCA	Cross sectoral	software tool	all users	
eTool	Cerclos	LCA	Construction	software tool	all users	300 - 600
EU list of Critical Raw Materials	European Commission	Critical Raw Materials	Cross sectoral	List	all users	
GaBi	Sphera	LCA	Cross sectoral	software tool	companies, consultancy, experts	
GENERIS	Fraunhofer	LCA	Construction	software tool	companies in construction sector - architects and planners	
Grondstoffenscanner	Dutch Ministry of Economic Affairs, FME-CWM	Circular economy	Manufacturing	webtool	manufacturing companies	
GSES System	Global Sustainable Enterprise System (GSES)	Integrated LCA, Social LCA and Circular economy assessment for reporting and other purposes	Cross sectoral	webtool	companies, governments, other organisations	35.000
Idematapp	Idemat	Sustainable product design	Cross sectoral	Software tool	companies	
IRTC Decision Tool	IRTC Business & WeLOOP	Critical Raw Materials	Cross sectoral	webtool	companies	
Level(s)	European Commission	LCA	Construction	method / indicator	Public Authorities and Decision-Makers; Investors, Property	

Name & weblink	Developer(s)	Focus	Sector	Type	Target groups	Estimated # of users
					Developers, Manufacturers; Architects and Designers	
Living Product Challenge 2.0	ILFI - International Living Future Institute	Sustainability certification in 3 levels	Construction	webtool	all users	500
Madaster Circularity Indicator	MADASTER, Circular IQ	Circular economy	Construction	method / indicator	construction developers	
Makersite	Makersite	LCA	Cross sectoral	webtool		200 - 500
Maplecroft / GRiD	Maplecroft	Supply chain transparency and responsibility	Cross sectoral	database + webtool	companies	
Mobius	Ecochain	LCA	Cross sectoral	software tool	companies	500 - 1.000
One Click LCA	Bionova	LCA for construction	Construction	software tool	companies in construction sector	200 - 500
OpenLCA	Green Delta	LCA, Social LCA, LCC	Cross sectoral	software tool	companies, consultancy, research	
Packaging LCA tool	Trayak	LCA for packaging	Packaging	software tool	companies	100 - 200
Pleiades	IZUBA	LCA for construction	Cross sectoral	software tool		100 - 200
Product Circularity Data Sheet (PCDS)	Circularity Dataset Initiative led by the government of Luxembourg	Circular economy transparency	Cross sectoral	data standard	large companies	3.000
PRP® - Pre Returnable Procurement	Rendemint	Circular economy, procurement	Cross sectoral	webtool	procurement officers	
PSILCA	Green Delta	S-LCA (social risks)	Cross sectoral	database	companies, consultancies, researchers	
Recyclclass	Plastics Recyclers Europe	Recyclability and recycled content	Packaging	method / indicator	companies	
Sedex	Sedex	Supply chain transparency and responsibility	Cross sectoral	database + webtool	companies	60.000
SimaPro	Pré	LCA	Cross sectoral	software tool	industry and academia	10.000
Social hotspot database (SHDB)	New Earth	SLCA (social risks)	Cross sectoral	database	companies, consultancies, researchers	

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SULCA	Semantum	LCA	Cross sectoral	software tool	companies, consultancies, researchers	
Supplyshift	Supplyshift	Supply chain transparency and responsibility	Cross sectoral	database + software tool	companies	
TESPI (Tool for Environmental Sound Product Innovation)	ENEA	ecodesign	Cross sectoral	webtool	SMEs	
Umberto LCA +	iPoint	LCA	Cross sectoral	software tool	industry, consulting, research and education	

Sources: Het Groene Brein (2020), Circle Economy, PACE (2020), World Business Council for Sustainable Development (2021), Ellen MacArthur Foundation(), Corona et al. (2019), Ecovadis (2019), ORIENTING Team, ORIENTING reports D1.4 and D2.2, the ORIENTING LCSA market potential survey conducted in October 2021.