

## 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
<a href="#">2030 Calculator</a>	Doconomy	Carbon footprint	Cross sectoral	webtool	SMEs	
<a href="#">AtSource</a>	Olam	LCA	Agriculture	software tool		
<a href="#">Carculator</a>	PSI	LCA, carbon footprint	Transport	webtool		
<a href="#">Circular Transition Indicators (CTI4.0)</a>	World Business Council for Sustainable Development (WBCSD) and Circular IQ	Circular economy	Cross sectoral	webtool, method / indicator	large companies and SMEs	2.000+
<a href="#">Circularity Assessment Tool (previously: Circle Assessment)</a>	Ganbatte - Powered by Circle Economy	Circular economy	Cross sectoral	webtool	companies	
<a href="#">Circularity Calculator</a>	IDEAL & CO Explore	Circular economy	Cross sectoral	webtool	companies	
<a href="#">Circularity Check</a>	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+
<a href="#">CleanCO2</a>	Anthesis Lavola	LCA, carbon footprint and compensation	Cross sectoral	webtool	SMEs; large companies	20
<a href="#">Cradle-to-cradle</a>	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
<a href="#">CSR RISK CHECK</a>	MVO Nederland	CSR risks in different countries	Cross sectoral	webtool	companies that are importing from or have production facilities in foreign countries	
<a href="#">ecoinvent</a>	ecoinvent	LCA	Cross sectoral	database	companies, consultancies, researchers	20.000+
<a href="#">EIME - Environmental Improvement Made Easy</a>	CODDE - Bureau Veritas	LCA	Cross sectoral	software tool		
<a href="#">emis</a>	Vito / Flemish government	LCA	Cross sectoral	software tool	all users	
<a href="#">eTool</a>	Cerclos	LCA	Construction	software tool	all users	300 - 600
<a href="#">EU list of Critical Raw Materials</a>	European Commission	Critical Raw Materials	Cross sectoral	List	all users	
<a href="#">GaBi</a>	Sphera	LCA	Cross sectoral	software tool	companies, consultancy, experts	
<a href="#">GENERIS</a>	Fraunhofer	LCA	Construction	software tool	companies in construction sector - architects and planners	
<a href="#">Grondstoffenscanner</a>	Dutch Ministry of Economic Affairs, FME-CWM	Circular economy	Manufacturing	webtool	manufacturing companies	
<a href="#">GSES System</a>	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
<a href="#">Idemataapp</a>	Idemata	Sustainable product design	Cross sectoral	Software tool	companies	
<a href="#">IRTC Decision Tool</a>	IRTC Business & WeLOOP	Critical Raw Materials	Cross sectoral	webtool	companies	
<a href="#">Level(s)</a>	European Commission	LCA	Construction	method / indicator	Public Authorities and Decision-Makers; Investors, Property	

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

Name & <u>weblink</u>	Developer(s)	Focus	Sector	Type	Target groups	Estimated # of users
<u><a href="#">SULCA</a></u>	Semantum	LCA	Cross sectoral	software tool	companies, consultancies, researchers	
<u><a href="#">Supplyshift</a></u>	Supplyshift	Supply chain transparency and responsibility	Cross sectoral	database + software tool	companies	
<u><a href="#">TESPI (Tool for Environmental Sound Product Innovation)</a></u>	ENEA	ecodesign	Cross sectoral	webtool	SMEs	
<u><a href="#">Umberto LCA +</a></u>	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.