

Indicative list of software tools and databases for Level(s) indicator 1.2 (version December 2020)

For:

- ✓ Normal reporting on indicator 1.2: Life Cycle Global Warming Potential (GWP)
- ✓ “Going further”, reporting on indicator 1.2 to include other environmental impacts in addition to GWP

This is a non-exhaustive list of software tools (table 1) and databases (table 2) that can be used for the calculation of the life cycle impacts of a building for a single indicator (GWP) or multiple indicators (LCA). Tools for the calculation of GWP only are highlighted in grey cells.

To add tools and databases to the list please inform the Level(s) help desk: jrc-b5-levels@ec.europa.eu

Table 1. Non-exhaustive list of GWP and LCA tools applicable to the building sector

Tool	Link	Applicability
Athena (Canada)	http://www.athenasmi.org/our-software-data/impact-estimator/	Building-specific
Arquimedes (Spain)	http://arquimedes.cype.es/	Building-specific
BEES (USA)	http://www.nist.gov/el/economics/BEESSoftware.cfm/	Building-specific
Bilan Produit ADEME (France)	http://www.base-impacts.ademe.fr/bilan-produit	Generic
Carbon Footprint (UK)	https://www.carbonfootprint.com/	Generic
COCON (France)	http://eosphere.fr/COCON-comparaison-solutions-constructives-confort.html	Building-specific
eToolLCD (Australia)	http://etoolglobal.com/	Building-specific
Eco-bat (Switzerland)	http://www.eco-bat.ch/index.php?option=com_content&task=blogcategory&id=14&Itemid=30	Building-specific
EcoCalculator (Canada)	http://www.athenasmi.org/tools/ecoCalculator/	Building-specific
EcoEffect (Sweden)	http://www.ecoeffect.se/	Building-specific
ECOSOFT (Austria)	http://www.ibo.at/en/ecosoft.htm	Building-specific
EIME (France)	http://codde.fr/en/our-software/eime-en/eime-presentation	Generic
ELODIE (France)	http://www.elodie-cstb.f/default.aspx	Building-specific
envest 2 (UK)	http://envestv2.bre.co.uk/	Building-specific
EQUER (France)	http://www.izuba.fr/logiciel/equer	Building-specific
GaBi (Germany)	http://www.gabi-software.com	Generic
GaBi-Build-IT (Germany)	http://www.pe-international.com/sweden/services-solutions/green-building/building-lca/	Building-specific

Tool	Link	Applicability
GreenCalc+ (The Netherlands)	http://www.greencalc.com/	Building-specific
Klimagassregnskap (Norway)	http://www.klimagassregnskap.no/	Building-specific
LEGEP (Germany)	http://www.legep-software.de/	Building-specific
One Click LCA (Finland)	http://www.oneclicklca.com/green-building-software/	Building-specific
OpenLCA (Germany)	http://www.openlca.org/	Generic
SimaPro (The Netherlands)	http://www.pre-sustainability.com	Generic
SBS (Germany)	http://www.sbs-onlinetool.com	Building-specific
SULCA (Germany)	http://www.simulationstore.com/sulca	Generic
TEAM (France)	http://ecobilan.pwc.fr/en/team.html	Generic
Umberto (Germany)	http://www.umberto.de/en/	Generic

Table 2. Non-exhaustive list of LCA and EPD databases applicable to the building sector

Name	Link	EN compliance
ACLCA Product Category Rules (USA)	http://www.aclca.org/	
ASTM EPD (USA)	https://www.astm.org/CERTIFICATION/EpdAndPCRs.html	Not compliant with EN 15804
Australasian EPD	http://www.epd-australasia.com/	EN 15804 verified
Base carbone ADEME (France)	http://www.basecarbone.fr/	
Bau EPD (Austria)	http://www.bau-epd.at/en/building-materials-with-transparency/	EN 15804 verified
Bauteil Katalog (Swiss)	http://www.bauteilkatalog.ch/ch/fr/catalogueconstruction.asp	
BRE Environmental Profiles (UK)	https://www.bre.co.uk/Environmental_Profiles.html	Not compliant with EN 15804
BRE Verified EN 15804 EPD (UK)	http://www.bre.co.uk/greenguide/page.jsp?id=558	EN 15804 verified
CarbonScopeData™	http://www.cleanmetrics.com/html/database.htm	
CSA EPD (Canada)	http://www.csaregistries.ca/epd/about_epd_pcrs_e.cfm	Not compliant with EN 15804
DAP construcción (Spain)	http://www.csostenible.net/index.php/es/sistema_dapc	EN 15804 verified
DAP Habitat (Portugal)	http://daphabitat.pt/?page_id=461	EN 15804 verified
DIOGEN (France)	www.diogen.fr	
Ecoinvent	http://www.ecoinvent.org/database/database.html	
ELCD	http://eplca.jrc.ec.europa.eu/ELCD3/index.xhtml?stock=default	
EPD Danmark (Denmark)	http://www.epddanmark.dk/site/index.html	EN 15804 verified
EPD Italy	http://www.epditaly.it/	EN 15804 verified
EPD Latin America	https://www.epd-americalatina.com/	EN 15804 verified
EPD Norge (Norway)	http://epd-norge.no/pcr/	EN 15804 verified
EPD Turkey	http://www.epdturkey.org/	EN 15804 verified

Name	Link	EN compliance
ESUCO (Europe)	http://www.dgnb-system.de/en/system/international/	
European Aluminium EPD Programme	http://european-aluminium.eu/resource-hub/building-products-epd-programme/	EN 15804 verified
FDES (FR)	http://www.fdes-eco-construction.com/ensavoirplus/fdes/quest-ce-quune-fdes	Not compliant with EN 15804
Gabi Database	http://www.gabi-software.com/international/databases/gabi-databases/	
GEDNet Global Environmental Declarations Network (Global)	http://gednet.org/	
Global EPD (Spain)	https://www.en.aenor.es/aenor/certificacion/mambiente/globalepd.asp	EN 15804 verified
Green Book Live: Environmental Profiles (UK)	http://www.greenbooklive.com/search/scheme.jsp?id=9	
IBO LCA database (Austria)	http://www.ibo.at/en/index.htm	
IBU (Germany)	http://bau-umwelt.de/hp474/Umwelt-Produktdeklarationen-EPD.htm	EN 15804 verified
IERE Earthsure EPD (USA)	https://iere.org/programs/earthsure/	Not compliant with EN 15804
INIES FDES (France)	http://www.inies.fr/home/	EN 15804 verified
International EPD (Sweden)	http://environdec.com/Epd-Search/?search_type=simple&Category=7764	EN 15804 verified
ICE Carbon & Price book	http://www.icevirtuallibrary.com/isbn/9780727758125	
ICE database	http://www.circularecology.com/embodied-energy-and-carbon-footprint-database.html#.WfBs-_5IKUk	
ITB-EPD (Poland)	http://www.itb.pl/	EN 15804 verified
BEDEC (Spain)	https://itec.es/metabase/productos-sostenibles/m/m/m/	
Leitfaden database (Luxembourg)	http://www.crtib.lu/de/leitfaden-fuer-nachhaltiges-bauen	
Minnesota Building Materials Database (USA)	http://www.buildingmaterials.umn.edu/materials.html	
MRPI (NL)	http://www.mrpi.nl/	EN 15804 verified
NSF EPD (USA)	http://info.nsf.org/Certified/Sustain/listings.asp?ProdCat=EPD	
Ökobau.dat (Germany)	http://www.oekobaudat.de/	

Name	Link	EN compliance
PEP Ecopasport (France)	http://www.pep-ecopassport.org/	Not compliant with EN 15804
PlasticsEurope (Europe)	http://www.plasticseurope.org/plastics-sustainability/life-cycle-thinking/epd-reports.aspx	
RTS EPD (Finland)	http://epd.rts.fi/en	EN 15804 verified
SCS Global Services (USA)	https://www.scsglobalservices.com/	EN 15804 verified
SCS EPD Verified ISO 21930 (USA)	https://www.scsglobalservices.com/	Not compliant with EN 15804
SCS EPD Verified ISO 14025 (USA)	https://www.scsglobalservices.com/	Not compliant with EN 15804
The Athena Institute database (Canada)	http://www.athenasmi.org/our-software-data/overview/	
UL Environment (USA)	http://industries.ul.com/environment	EN 15804 verified
Wood for Good LCA database (UK)	https://woodforgood.com/lifecycle-database/	EN 15804 verified
WorldSteel (Global)	http://www.worldsteel.org/?action=programs&id=62	
ZAG EPD (Slovenia)	http://www.zag.si/en/	EN 15804 verified