October 2025

Newsletter Life Cycle Assessment

SCORE LCA

Some changes to come about PEF method

DG ENV and DG JRC have presented a significant in October 2025 number of proposals (so called “way forward”). The following table provides some views on a selection of topics which have been covered.
DG ENV will provide feedback on received comments during the next TAB meeting, on the 20th of November. A workshop on the future of PEF will be provided to SCORE LCA members during 2026, following the work done in 2025. To be followed up!

Topics (extract)	Proposed way forward (simplified extracts)
Use of PEF	Flexibilities (“should” i.o. “shall”) might be accepted when using PEF for policy support, innovation purposes and in-house applications. It is in line with ISO 14044 which link goal and scope of the studies and the methodology choices which are made during those studies.
EF 4.0	The future public database is now scheduled to be published at the end of 2027 (instead of end of 2026). It is quite late in relation with the on-going set up of mechanization tools, as exchanged during last SCORE LCA workshop.
Biogenic Carbon	-1 / +1 approach has been detailed when dealing with all biogenic carbon issues: uptake, removal, LUC… Several SCORE LCA studies have already explored this topic.
Electricity use	DG ENV proposed to use, as first choice, the European electricity mix (instead of country mix). Most TAB experts were against that approach! Industry located in France want to continue using the French electricity mix (including import/export) in their LCA as upstream.
Umbrella PEFCR	Confirmation of the possibility to develop “Umbrella” PEFCR to enable comparison of different products which fulfil the same functional unit
Allocations	Specific PEFCR choices can contradict PEF rules and Umbrella PEFCR rules. This is weird since it will limit comparability.
CFF for End of Life	Simplification of the CFF in specific cases. Additional expertise will be needed at the end of life, for pre-consumer and post-consumer waste. The deliverables of the SCORE LCA will have to be updated.
Link between EF and circularity	Some simplified rules have been proposed (e.g. reused products will keep the same EPD + info on remaining lifespan) and were commented. One future SCORE LCA study will focus on reuse.
ADP indicator for resources use	Resources dissipation methods are considered not mature enough to be used in PEF. Proposals are being made to improve ADP.
Microplastics	One candidate additional indicator. The proposal is to weight it as Ecotoxicity Freshwater. The work will continue until June 2026 on this topic to wait for the publication of the method.
Biodiversity and agriculture	Another candidate additional indicator. So far, the implementation of the indicator according to current work does not provide the expected differentiation between agricultural practices. More work will be done, and one on-going SCORE LCA study will provide additional views.
Normalisation and weighting	Planetary boundaries have not been envisioned as a short or mid-term approach, even if it looks applicable according to last SCORE LCA study.

Welcome to our new member !

eramet

« Prospective LCA – part 1» call for tender attributed to

SCALIAN

This document is the property of SCORE LCA association

Newsletter Life Cycle Assessment

SCORE LCA

Other updates

Update on the EN15804+A2 add-on database

For those using EN15804+A2 add-on of evoinvent v3.11, the recent releases (for unit process version 2 and system process version 3) are crucial to note, these are:

- Changed naming of GWP-GHG indicator from "Optional (EF3.1) | Global warming potential except emissions and uptake of biogenic carbon (GWP-GHG)" to "PCR 2019:14 (EF3.1) | Global warming potential except emissions and uptake of biogenic carbon (GWP-GHG
- Changed the biogenic methane factors in the GWP-GHG indicator to the same ones as fossil methane to comply with the PCR.
- Removed all long-term emission factors in all impact categories / impact methods, because the EN 15804 standard demands a time horizon up to 100 years and not above.
- Added the elementary flow "Manual biogenic carbon balancing" to the inventory indicators which can be used for manually balance the carbon inputs and outputs in product systems where it is not correctly balanced by in the background database.
- Added "Inherent LHV of secondary inputs (non-renewable)" and "Inherent LHV of secondary inputs (renewable)" as elementary flows to the inventory indicators so that LCA modelers can use these flows to model the inherent energy (lower heating value) as an input from, for example, secondary materials or secondary fuels. According to the PCR, these inherent energies contribute to the primary energy indicators. The new elementary flows are added to the PENRT/PERT and the PENRM/PERM indicators with a characterization factor of 1.

Upcoming events

Sustainability Insights 04 – Building Trust in LCA

On 4-5th November will take place **Sustainability Insights 04**, where there will be a close look at how **verification and certification practices in LCA** can evolve to meet new regulatory, technical, and market expectations.
It will be possible to take part to different **discussion topics** that dive into practical and forward-looking questions, such as: V**erifying PCFs and EPDs, Verify professionals, Critical review practice, Data and real-time monitoring, Transparency vs. Confidentiality, Global supply chains, Community governance.**
This workshop is designed not just to listen, but to **exchange, test, and co-create ideas** on how to make verification more effective, consistent, and future-proof. You can look at the detailed program and still register here.
Philippe Osset will participate as a speaker.

Automation of LCA through to the generation of environmental reporting: proposed method for automating LCI, reconciling data and generating the ecopassport EEE PEP

Axelle Bertrand will defend her thesis on **14 November at 1:30** p.m. in the Manet lecture theatre at ENSAM Paris. She will present her work on automation in LCA : You can attend to it in visio.

4-5 Nov 2025	18-19 Nov 2025	19 March 2026	17 – 21 May 2026	1 - 3 July 2026
Building trust in LCA (Berlin)	Second edition of MCV (Bordeaux)	SCORE LCA seminar (PARIS)	SETAC Europe 36th Annual Meeting (Maastricht, Netherlands)	LCIC 2026 (Berlin, Germany)

This document is the property of SCORE LCA association