PROSPECTIVE LCA NETWORK

Shaping Prospective LCA Methodologies

Mandatory Survey!

If you would still like to recieve our newsletter and invites to our upcoming webinars in the year ahead please take a moment to fill out the feebback survey in the box below to help us update our records and plan for the year ahead!

Action Item! Take the survey

https://www.wixforms.com/f/7414638651809727550

Did you recently publish an article, book chapter, etc. on Prospective LCA?

Have you recently read something that contributes to the network?

Email:

prospectivelcanetwork@gmail.com

Call for Industry Practitioners

As we start the new year, we ask any network members who are either currently using PLCA in a industry setting or who are collaborating with a corporate team actively applying PLCA and are interested in sharing your work at an upcoming webinar, please contact:

massimo@plan.aau.dk
thonemannn@vuw.leidenuniv.nl

Publications

Gomes, B.F.M.L., H.M. Logan, L.V.A. Gurgel, and A. Damgaard. 2025. Enhanced activated carbon production from lignin waste for treatment of As(V) and Cd(II) in wastewater: Sustainability and technological insights by prospective life cycle assessment. Cleaner Environmental Systems 19: 100350. https://linkinghub.elsevier.com/retrieve/pii/S2666789425000960.

Harpprecht, C., R. Sacchi, T. Naegler, M. Van Sluisveld, V. Daioglou, A. Tukker, and B. Steubing. 2025. Future environmental impacts of global iron and steel production. Energy & Environmental Science 18(16): 8009–8028. https://xlink.rsc.org/?DOI=D5EE01356A

Langhorst, T., B. Winter, M. Tuchschmid, D. Roskosch, and A. Bardow. 2025. From Reaction Stoichiometry to Life Cycle Assessment: Decision Tree-Based Estimation Tool. ACS Environmental Au 5(6): 550–560. https://pubs.acs.org/doi/10.1021/acsenvironau.4c00065.

Müller, A., T. Diepers, A. Jakobs, G. Cardellini, N. Von Der Assen, J. Guinée, and B. Steubing. 2025. Time-explicit life cycle assessment: a flexible framework for coherent consideration of temporal dynamics. The International Journal of Life Cycle Assessment. https://link.springer.com/10.1007/s11367-025-02539-3.

Paris, A., J. Guinée, and N. Thonemann. 2025. Prospective Macro-Level Life Cycle Assessment: A Systematic Review. August 28. https://www.researchsquare.com/article/rs-7468270/v1.

Rao, P.D., M. Van Dael, S. Lizin, and S. Van Passel. 2025. Upscaling in ex-ante sustainability assessments of emerging chemical technologies: a scoping review. Renewable and Sustainable Energy Reviews 223: 116012. https://linkinghub.elsevier.com/retrieve/pii/S1364032125006859.

Van Der Hulst, M.K., M. Hauck, S. Hoeks, R. Van Zelm, and M.A.J. Huijbregts. 2025. Learning Curves in Prospective Life Cycle Assessment. Environmental Science & Technology 59(31): 16501–16512. https://pubs.acs.org/doi/10.1021/acs.est.5c03870

Villacis, S., V. Papantoni, U. Brand-Daniels, and T. Vogt. 2025. A decision-support flowchart for including parameter uncertainty in prospective life cycle inventory modeling: an application to a PEM fuel cell-based APU system for a hydrogen-powered aircraft. Energy, Sustainability and Society 15(1): 46. https://energsustainsoc.biomedcentral.com/articles/10.1186/s13705-025-00545-9

Schools & Events:

- SETAC Europe 36th Annual Meeting - Maastricht, NL
- SETAC Europe 27th LCA Symposium - Bruges, BE
- Industrial Ecology Gordon Research Conference - Newry, Maine, United States

SETAC 2026:

We will have a Prospective LCA session at the Maastricht meeting. More details to come soon! If you would like to help plan the social please contact:

h.m.logan@cml.leidenuniv.nl

Upcoming Dates

Next Meeting: TBD

Topic: PLCA in Industry