

Our Motivation

Our road transport system is rapidly transforming in response to climate change and resulting demand for a high sustainability over the full value chain and the full life cycle. New propulsion systems are achieving steadily increasing market shares, and new infrastructures and mobility concepts will be needed for connected and automated vehicles, as well as to achieve the vision of smart and climate-neutral cities.

For this transformation of our transport system towards climate-neutrality, the reliable and comparable assessment of the environmental footprint of different solutions and technologies becomes essential. Although all stakeholders already recognise the importance of life cycle assessment, the transport sector is still struggling to adopt LCA approaches. As outlined in the 2Zero SRIA, standardised and comparable results are still lacking due to limitations in accessing and managing real-life data or applying non-harmonised, non-coherent methods, tools and system boundaries, to name some. Within this context, considering upcoming technologies leveraging emission reduction strategies, circular economy targets as well as social aspects poses significant challenges for making the best choice in terms of sustainability as an integral part of product development and mobility solutions.

Consequently, TranSensus LCA aims to pave the way towards a commonly accepted and applied single LCA approach for zero-emission road transport.

Upcoming Events

Battery 2030+'s 4h Annual Conference, Grenoble, May 28-29th. 2024

9th International Conference of Social Life in Cycle Assessment 8S-LCA 2024, Brazil, May 28–31, 2024

IF CEED (EDA) General Assembly, Brussels, May 29, 2024

EUCAR Program Board Sustainable Mobility 2024 Brussels, May 29, 2024

Contact

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As an association of partners from industry and science, we aim to...

Better consumer information and benefits

A harmonised strategy for sustainability by design, describing requirements and specifications of tools for all life-cycle phases required to improve the environmental performance of ZEV and batteries, including their components and sub-systems. Enabling inclusion of suppliers

European-wide LCI data-base

A commonly accepted ontology for a European-wide LCI data-base for zero emission vehicles and batteries, including all sub-systems and components, and using real data for the present and short-term future, whilst using provisional data, based on trajectories for the reduction of GHG emissions in the Power, Industry and Transport sectors, and use cases, including predefined data quality indicators.











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Environmental sustainability

Greater environmental sustainability and lower TCO (total cost of ownership) through consistent and frontloaded real-data based assessment of technologies and solutions, with extension to other sectors using the same cells and technologies.



Compatibility

Alignment of on-going harmonisation and standardisation activities relevant for a road transport-specific LCA approach, with emphasis on ZEV and the related battery value chain.

In line with existing or upcoming legislation, and based on guidance from the EC, agree on the common access to the database, including, where this could be necessary for the Member States/Associated Countries to inform their policies.

Increased awareness and acceptance of a European-wide, battery and road transport-specific LCA approach and LCI database.

Contact info@lca4transport.e





Keep in touch with us and check out the latest **publications and results** on our way towards a commonly accepted and applied single LCA approach for zero-emission road transport.

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Beneficiaries











































Associates









































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