



## The HiQ-LCA training project team

The University of Bordeaux takes the lead in the training project, working closely with the Leiden University as a key contributor. The project's commercialization is facilitated through the European Lithium Institute (eLi) and a promising spin off of CellCircle. Strategic business development is a joint effort with Minviro, while marketing support is provided by Fraunhofer ISC.

**Facts:** The training programs were developed as part of the project work on HiQ-LCA. Prices for these trainings will be determined within the project, and the first training will be offered for free, serving as a showcase for this valuable learning opportunity.

**Project Title:** HiQ-LCA. High-Quality Life Cycle Assessment for Battery Industry

**EIT RawMaterials Topic:**

Design of products and services for the circular economy

**Total Budget:** 3.5 M €

**Duration:** 2023-01-01 - 2025-12-31

**Project Coordinator:** European Lithium Institute eLi

» **Website:** <https://hiq-lca.eu>

» **LinkedIn:** <https://www.linkedin.com/showcase/hiq-lca-project/>



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## Contact

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HiQ·LCA

University of Bordeaux

HiQ-LCA Trainings

High-Quality Life Cycle Assessment Training  
for  
Energy Transition

## What makes HiQ-LCA unique?

- HiQ-LCA stands for improved lithium-ion battery LCA that is based on **representable, reliable and up-to-date** data sets.
- HiQ-LCA sets itself apart with a **holistic approach**: Every step of the battery value chain will be taken into account.
- Completion of the the comprehensive analysis with **prospective modeling**.
- The data will be accessible in an **independent database** provided byecoinvent (2025).
- From the collaboration between the University of Bordeaux, Leiden University, European Lithium Institute, Fraunhofer ISC and Minviro, our experts have created a virtual training program to make you »fit for LCA«.
- The amount of educational institutions in HiQ-LCA indicate that education plays a central role in the project.

## Why HiQ-LCA trainings?

- HiQ-LCA combines the expertise of twelve international EU-based partners from both industry and academia. All partners are also invested in other LCA projects and tie knowledge synergies for a wider perspective.
- HiQ-LCA's training programs are developed and delivered by leading experts from the consortium partners, including the University of Bordeaux and Leiden University. Participants will have the opportunity to learn from experts at the forefront of LCA and sustainable innovation in the European industry.
- HiQ-LCA's training modules are designed to be practical and applicable. With a combination of video-based course modules and digitalized questionnaires, participants will engage in hands-on learning experiences.

## What kind of trainings do we offer?

- The project will offer basic Carbon Footprint training on conducting carbon footprinting at different scopes as defined by the GHG Protocol.
- The HiQ-LCA Life Cycle Assessment training will teach how to conduct a life cycle assessment. It will be available at two levels - a generic training and a training focused on batteries.
- In the training sessions about prospective Life Cycle Assessment you will receive a hands-on training for conducting scenario-based prospective LCA using the activity browser.
- If you aim to collect complete and accurate data, the HiQ-LCA Data Acquisition training will include addressing confidentiality issues, harmonizing methods, and transparently reporting data.

## How will the trainings be conducted?

The HiQ-LCA training follows a versatile approach, combining video-based course modules and digitized questionnaires for online training, ensuring participants can engage with the material at their own pace. The convenience of remote access is complemented by the inclusion of physical advanced courses, providing a hands-on and interactive dimension to the learning experience.



## Your advantages?

**Specialized Knowledge Acquisition:** Participants will gain specialized knowledge in LCA with a focus on industrial battery Life Cycle Inventory databases.

**Hands-On Skills Development:** The training programs offered by HiQ-LCA include practical, hands-on modules. Participants will develop practical skills in data collection, LCA applied to battery technologies.

**Access to Leading Experts:** Participants will have the opportunity to learn from and interact with leading experts from the consortium partners, including the University of Bordeaux and Leiden University. This direct access to experts in the field enhances the learning experience and provides a valuable networking opportunity.

## Who will benefit from the HiQ-LCA trainings?

- Industry Experts in the Battery Value Chain
- Researchers and Academics
- Environmental and Sustainability Professionals
- Government Representatives

