

WELCOME TO THE WORKSHOP ON

LCA Methodology Harmonization and Creation of Sustainability Think Tank

13-14th March, 2023

Académie de recherche et d'enseignement supérieur (ARES), Brussels.

Organized by



LCA Methodology Harmonization Workshop, Brussels, 2023

Workshop Goals

The overarching goal of this workshop is to connect different groups/institutes conducting LCA within diverse EU projects.

The aim is

- to align and harmonize the LCA methodology and subsequent results comparability for perovskite solar cells and, to a larger extent, for innovative PV and PV technology in general
- to foster the creation of a “think tank” on sustainability assessment for supporting the development of the European technology roadmap for PV

This workshop is supported by the projects [PILATUS](#), [VALHALLA](#) and [VIPERLAB](#), [R²ES Lab](#) at the University of Siena



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Participants

- Apart from the organizing institutions, this robust workshop includes participants from different 13 institutions. This includes **universities**, **research institutes** and the **industry**.
- Through this wide range of participants, it was possible to bring **11 EU PV technology LCA projects** along, current and completed, as well as **1 industry LCA project**.

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Zentrum Berlin



eurac
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IPVF

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Getting-To-Know Your Workshop Colleagues

Please shortly introduce yourself, including the following information:

- ❖ Affiliated institution(s) and designation
- ❖ Field(s) of expertise
- ❖ Your favorite hobby



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Session Structure: Monday, Day 1

Review of the sustainability assessment methodical choices

- 10:20 - Session 1 - Introduction to LCA in current EU projects
Presenter: Respective project leads to present their EU LCA project based on the survey slides
- 11:15 - Session 2 - Background database selection and accuracy
Presenter: Abeer Ali Khan (FhG-ISE), Maria Laura Parisi (University of Siena) and Carlos Felipe Blanco (CML-University of Leiden)



12:15 – Group Photo Session



12:25 - Lunch Break

- 13:30 - Session 3 - Review of treatment and recycling methodologies
Presenter: Diana Godoi Bizarro (TNO)
- 14:30 - Session 4 - Review of PEFCR default parameters for Perovskites, emerging PV and PV technologies – **Interactive discussion**



15:15 – Coffee Break

- 15:45 - Session 5 - Review beyond LCA
Presenter: Mara Hauck (TNO), Estelle Gervais (FhG-ISE), Abeer Ali Khan (FhG-ISE) and Teixeira Taboada Sabela (University of Liège)
- 17:00 - Session 6 - Review of reporting (confidentiality, transparency, etc.) – **Interactive discussion**
- 17:30 – End of Day 1

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Session Structure: Tuesday, Day 2

Expected outcomes, standardized training on LCA & possible conference structure



- 09:00 - Day 1 takeaways and next steps – **Break out sessions**

10:30 – Coffee Break

- 10:45 - Project related internal trainings for non-LCA experts
Presenter: Diana Godoi Bizarro (TNO) and Teixeira Taboada Sabela (University of Liège)



12:00 – Lunch Break

- 13:15 - Formulating Conference Structure
- 13:45 - Identifying keynote speaker on the addressed topics
- 14:15 - Budget/Financing of Conference
- 14:35 - Workshop Wrap-up, Challenges, and further research questions – Interactive discussion
- 15:00 – End of Workshop