

Hydrogen Sustainability and Circularity



[Event Link](#)

Date: February 26th, 2025, 9:00 am to 3:30 pm CET

Location: Online

09:00 – 09:10

Welcome and Introduction

Patrick Pertl (Area Manager Green Mobility, HyCentA)

09:10 – 09:40

Eco-design as a pathway to sustainability

Javier Dufour (Head of Energía's Systems Analysis Unit and Professor at the Universidad Rey Juan Carlos, IMDEA Madrid)

09:40 – 10:10

Sustainability and circularity of fuel cells: between challenges and opportunities

Aymeric Canton (Program Manager, CEA)

10:10 – 10:40

Closing the loop: precious metal recycling to support the hydrogen and fuel cell scale-up

Christian Gebauer (Head of Research and Development, Heraeus Precious Metals)

10:40 – 10:50

Break

10:50 – 11:20

Towards a close-loop recycling of critical raw materials and ionomer in fuel cells and electrolyzer: the experience of Hensel Recycling

Anna Marchisio (Business Development Manager, Hensel Recycling)

11:20 – 11:50

Noble metal reduction and corresponding footprint of coatings for metallic bipolar plates

Mathias Reum (Manager Strategic Business Unit Fuel Cell, Schaeffler AG)

11:50 – 12:50

Lunch Break

12:50 – 13:20

Sustainability Assessment of Hydrogen Supply Chains

Sofía De-León Almaraz (Associate Professor, Corvinus University of Budapest)

13:20 – 13:50

Technical feasibility and ecological impact of wooden endplates for PEM fuel cells

Dirk Lukowsky (Researcher, Fraunhofer-Institut für Holzforschung WKI)

13:50 – 14:00

Break

14:00 – 14:30

Roadmap to recycling of PEM electrolyzer components

Thomas Stöhr (Project Manager, HyCentA Research GmbH)

14:30 – 15:00

Recycling as the key for developing sustainable hydrogen storage materials

Claudio Pistidda (Group Leader Experimental Research, Helmholtz-Zentrum hereon GmbH)

15:00 – 15:30

Thermomechanical stability of hydrocarbon-based membranes in PEM fuel cells

Aniket Kumar (Researcher, Simon Fraser University)