



EU GREEN DEAL
**MAKE IT
REAL**

#EUGREENWEEK
30 MAY - 5 JUNE 2022

The Clean Steel Partnership

A driver to net zero, from research to deployment of ground-breaking technologies for steel

1 June 2022 | Online

PARTNER EVENT

The Clean Steel Partnership was formally launched in June 2021 in the frame of Horizon Europe in synergy with the Research Fund for Coal and Steel (RFCS). The Memorandum of Understanding was signed by representatives of the European Commission and the European Steel Technology Platform (ESTEP).

Aligned with the European Green Deal targets, the partnership supports EU leadership in transforming the steel industry into a carbon-neutral one, serving as a catalyser for other strategic sectors. By 2027 it will implement at least two demonstration projects that could cut CO2 emissions by 50% compared to 1990 levels and achieve technology readiness level 8 by 2030 in at least twelve areas funded by the partnership. The final ambition is to ultimately achieve carbon neutrality by 2050.

The success of the partnership could support European steel industry's role as an important engine of sustainable growth, added-value and high-quality employment in the EU – supporting its competitiveness and that of its downstream sectors, such as automotive, construction and energy generation.

As part of the EU Green Week 2022 Partner Event, ESTEP is holding a webinar with focus on "The Clean Steel Partnership: a driver to net zero, from research to deployment of ground-breaking technologies for steel".

The webinar is taking place on 1 June 2022 online from 10:00 to 12:30.

Participation is free but registration is needed. You can register [here](#)



Programme

09:50 *Opening remote participation*

10:00 **Welcome and introduction**
Klaus Peters, Secretary General, ESTEP

10:05 **Keynote lecture – views from the public side on the Clean Steel Partnership**
Rosalinde van Der Vlies, Director Clean Planet, DG RTD unit C

10:30 **Enabling policy framework for innovative technologies as key for steel transition**
Axel Eggert, Director General, EUROFER

10:50 **Overview on the Clean Steel Partnership**
Patrick Lafontaine, Programme Director, ESTEP

11:05 **Role of the Clean Steel Partnership:
Examples of innovative low-carbon projects & company pathways towards net zero**

- **Maximise H2 enrichment in direct reduction shaft furnaces**
 - Prof. Dr. Valentina Colla, Scuola Superiore Sant'Anna
 - Dr. Thorsten Hauck, VDEh-Betriebsforschungsinstitut
- **Hydrogen-based iron ore reduction**
 - Bernhard Hiebl, Primetals Technologie Austria
- **Hydrogen and other decarbonated solutions for steelmaking**
 - Anna-Maria Pubill-Melsio, AirLiquide
- **Repurposing of the portuguese gas grid for hydrogen distribution: a compatibility study**
 - Tiago Emanuel Silva, INEGI
- **Innovation beams for a net positive steel**
 - Eoin Bailey, CELSA
- **Smart Carbon utilization of steel process gases**
 - Wim Van Der Stricht, ArcelorMittal
- **Production of green pig iron without CO Emissions. A proven CO-free alternative to blast furnaces production**
 - Marco Corbella, Tenova
- **“New” slags for cement industry**
 - David Algermissen, FEhS
- **Towards carbon neutral steel production in an integrated H2 system**
 - Filippo Cirilli, Rina-CSM
- **ReMFra – Recovering metals and mineral fraction from steelmaking residues**
 - Marta Guzzon, Tenova

12:05 **Q/A and closure**
Moderated by Klaus Peters, ESTEP

12:30 *End of webinar*