



## ESTEP workshop **SecCarb4Steel**

Preparation and use of biogenic and non-biogenic secondary carbon carriers (SCC) in processes for iron and steelmaking

Three-part webinar

15 | 22 | 29

November 2024

You are kindly invited to submit ABSTRACTS via e-mail to [D.Snaet@estep.eu](mailto:D.Snaet@estep.eu)

### Important Dates

Abstract submission deadline

16 | 10 | 2024

Information on acceptance

23 | 10 | 2024

Opening of online registration

24 | 10 | 2024

Final program available

30 | 10 | 2024



# CALL FOR ABSTRACTS

15 | 11 Utilization of biogenic SCC in iron and steelmaking  
22 | 11 Non-biogenic SCC for iron and steelmaking  
29 | 11 Recent project activities on national and European level following SCC usage

## Introduction

Progressing the iron and steelmaking industry towards a CO<sub>2</sub>-lean goal is closely linked to the lowered use of fossil fuels and reducing agents. Biogenic and non-biogenic secondary carbon carriers can significantly contribute by being applied in various metallurgical processes including cokemaking, iron ore sintering, blast furnaces, direct reduction of iron ore, and electric arc furnaces. Moreover, it is essential to fully account for circular economy principles, as well as social, economic, and environmental aspects. Focusing on industrial and academic R&D&I projects and their outcomes will support the successful implementation of these secondary carbon carriers as a path towards the CO<sub>2</sub>-lean goal.

A webinar will be held with a total of three sessions.

## Scopes

The web-conference acts as a platform to showcase developments, promote collaboration, and share knowledge to achieve CO<sub>2</sub>-lean iron and steelmaking by utilizing biogenic and non-biogenic SCC. This includes enhancing the efficiency of these SCC and making required transformational changes. During the web-workshop, all outcomes contribute to the overall goals defined in the Circular Economy Action Plan and the Green Deal of the European Union.

## Sponsorship opportunities

Members of ESTEP interested in sponsoring the event (1000 €) are invited to contact the ESTEP secretariat via e-mail: [D.Snaet@estep.eu](mailto:D.Snaet@estep.eu)

## Scientific committee

J. Wiencke (ArcelorMittal), G. Landra (Beltrame Group), L. Kieush, S. Lesiak, (K1-MET), C. Prietl, B. Voraberger (Primetals Technologies), F. Cirilli (RINA-CSM), T. Echterhof (RWTH), V. Colla (Scuola Superiore Sant'Anna), E. Malfa (Tenova)

## Main topics

Industrial and scientific specialists in preparation and use of secondary carbon carriers in iron and steelmaking processes as well as experts on environmental impact and legislation are invited to submit abstracts on the following topics

- » Sources and availability of SCC suitable for metallurgical processes
- » Pre-processing of secondary carbon carriers
- » Utilization of SCC in cokemaking, iron ore sintering, iron and steelmaking
- » Production and use of syngas from SCC
- » Other pollutant emissions related to the application of secondary carbon carriers
- » Use of SCC for furnace electrodes
- » Industrial symbiosis (sector coupling) approaches including substitution of coal by alternative materials
- » Carbon footprint and certification issues

## Abstract submission

Authors wishing to present a contribution are asked to submit max. 500 words abstract by 2 October 2024 to ESTEP via e-mail: [D.Snaet@estep.eu](mailto:D.Snaet@estep.eu)

## Participation fee

- » Free for speaker in the related session
- » 50 € per person per session
- » 100 € per person for all sessions

Student fee (all sessions)

- » 60 € (additional seats offered based on availability)

Company flat rate fees (all sessions)

- » 300 € (max. 25 persons)

Fee is used by ESTEP for workshop organization as well as generation and provision of the proceedings and related publications.

## Organisational committee

K. Peters, D. Snaet, A. Swarnakar (ESTEP), J. Rieger (K1-MET)