



13-14 November 2019  
Bergamo, Italy

The **Focus Group “Circular Economy”** of European Steel Technology Platform announces the workshop:

## **Green steel by EAF route: a sustainable value chain in the EU Circular Economy scenario**

Workshop is focused on sharing experiences, needs, opportunities and best practices for further greening the steel production by EAF route. The goal is identifying the actions the scrap based steel production sector is putting in place to achieve the CO<sub>2</sub> reduction and circularity EU targets.

**You are kindly invited to participate in this ESTEP WS  
in the beautiful city of Bergamo !**



# SAVE THE DATE

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#### Introduction

Steel is “permanent material” that can be endlessly recycled and is continuously transformed. The EAF route is essential in allowing the highly developed and mature steel recycling infrastructure.

In 2050 the contribution of the EAF route to the EU steel production is expected to significantly increase since it represents a powerful force for climate mitigation.

Scrap based steelmaking provides opportunities for Green Steel along the entire value chain from low value scrap to process decarbonization and energy recovery up to valorisation of residues.

Further benefit to investigate is the additional GHG reduction offered by the combination of Direct Reduction Process and EAF, where green hydrogen can play a significant role as a reducing agent, while the melting energy will be provided from renewable sources.

All these issues and more will be shared and discussed in the Workshop.

#### Topics

Steel company experts, suppliers, universities and research institutes, consulting companies, national and international steel and environment-related organisations are invited to submit abstracts on the following topics:

- Scrap management
- Use of low value scrap
- Production of high value material from liquid steel
- Integration with renewable energy sources
- Improved use of graphite electrodes
- Valorisation of residues as products for internal & external use
- Substitution of coal with alternative materials
- New technologies for off-gas and waste heat valorization
- Carbon to chemical solutions

Digitalization and high level supervisory control must be embedded in the specific topics.

#### Deadlines

Submission of abstracts June 15, 2019

Information on Acceptance July 15, 2019

Opening of the online registration October 15, 2019

#### Sponsorship opportunities

Companies interested in exhibiting and/or sponsoring the event may contact the ESTEP Organising Secretariat:

E-mail: [D.Snaet@estep.eu](mailto:D.Snaet@estep.eu)

#### Participation fee

Participation fee (200 €) will include visit to TenarisDalmine plant, workshop proceedings, common dinner / lunch and coffee breaks.

Payment instructions will follow with the detailed Program of the two days, the location address and the list of suggested accommodations