

SymbioSteel Newsletter No 1, 2025

SymbioSteel, as an EU RFCS project, focuses on Industrial Symbiosis, which concerns the use by one company or sector of underutilized resources from another, making those resources last for longer to enhance efficiency and sustainability. It aims to transform the steel sector by promoting collaboration and reducing environmental impact. The project aims to accelerate the adoption of Industrial Symbiosis in the steel industry, supporting decarbonization and resource efficiency.

Scope

- Reduce dependence on critical materials.
- Replace virgin materials and cut CO₂ emissions.
- Foster collaboration between steel and other sectors.

Objectives

1. Monitor and assess the impact of Industrial Symbiosis on the steel sector.
2. Develop guidelines to enhance symbiotic practices.
3. Meeting skills demands and attracting young talents.

Expected Results

- Spread best practices and research findings.
- Identify gaps and opportunities for cross-sector partnerships.
- Provide policy recommendations and roadmaps for future innovation.
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Consortium team:



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InSGeP Workshop in Duisburg

Our consortium team will be participating in the InSGeP workshop in Duisburg on March 5–6, 2025. This event showcases key outcomes from the InSGeP and SymbioSteel projects, focusing on the critical role of slag and other by-products in advancing the circular economy within the steel sector.

Valentina Colla, our project leader, will chair the 4th session: Industrial Symbiosis in this event (11:00-12:50, March 6th), and present the overview and progress of SymbioSteel project. Welcome to join!

[More info about InSGeP workshop](#) ►

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SymbioSteel Project meeting in Duisburg

Our project meeting will also take place in Duisburg, March 4th, 2025, to discuss the progress and plans for the further development of Industrial Symbiosis in the steel industry. We extend our gratitude to FEhS for the hosting!

SymbioSteel Presentation at EUROSLAG 2024

We are delighted to have participated in the EUROSLAG 2024 Conference, where our project leader Valentina Colla from Scuola Superiore Sant'Anna (SSSA) introduced the RFCS project SymbioSteel, focusing on resources reuse, carbon reduction, and minimizing resources dependency to improve sustainability of steel production and the implementation of industrial symbiosis solutions.

Stay tuned for updates on our upcoming website, project activities, and more for the SymbioSteel project, as we work toward a sustainable future.



SymbioSteel kick-off meeting in Bilbao

The kick-off meeting for the RFCS project SymbioSteel was held in Bilbao, Spain, in October 2024. It was a fantastic gathering with participants from Swerim AB, Scuola Superiore Sant'Anna (SSSA), FEhS - Building Materials Institute, RINA Consulting - Centro Sviluppo Materiali (RINA-CSM), K1-MET GmbH and The European Steel Technology Platform (ESTEP) to discuss our project's implementation.

We would like to extend our heartfelt gratitude to Vassiliki Cossivelou Ph.D. representing the European Research Executive Agency (REA) for the invaluable guidance provided to our team, especially for communication and new dissemination opportunities via Horizon EU Results Platform (HRP), HRPTV, etc.

Aligned with the EU Green Deal's vision for climate neutrality by 2050, SymbioSteel focuses on advancing industrial symbiosis in the steel sector, promoting the re-use of resources and fostering collaborations to achieve carbon reduction and minimize resource dependency, aims to support sustainable industrial practices and drive economic, environmental, and social benefits.

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