



One year with

Impact INCITE

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Impact INCITE

Impact Innovation call, Sept 2024: Regulations and policy instruments for a sustainable industry

⇒ Project **Impact INCITE**, Nov 2024 – Dec 2025

- Focus on Iron & Steel sector
- Increase awareness of INCITE in Sweden, and support Swedish contributions to INCITE
- Project group with representatives from several stakeholders

Swedish Metals
& Minerals
impact innovation

Net Zero Industry
impact innovation

 Energimyndigheten

FORMAS 

VINNOVA
Sveriges innovationsmyndighet

KANTHAL  **LKAB** **SSAB**

 **Teknikföretagen** **Jernkontoret**



LUNDS UNIVERSITET **SWERIM**

Why is INCITE relevant to the Swedish iron & steel industry?

- Showcase innovation capacity
- Influence future permits
- Benchmarking and overview of latest developments
- Future research funding and investments



Impact INCITE deliverables



Disseminate information,
arrange and participate in events



Swedish representation at
INCITE I&S workshop in Seville



Swedish innovations on
INCITE platform



Support evaluation of
technologies on platform



First-of-a-kind (FOAK)
visits in Sweden



Report learnings - applicable for
future work and other sectors

Impact INCITE deliverables



Disseminate information, arrange and participate in events

Target: Reach > 200 people

- Metalliska material (~200 participants)
- Swedish Environmental Protection Agency webinar (~70 participants)
- Other meetings, workshops, seminars, webinars, conferences (>500 participants)
- Project webpage, partner webpages, LinkedIn posts, newsletters



Impact INCITE deliverables



Swedish representation at INCITE I&S workshop in Seville

DAY 1 - 13 th May 2025	
WORKSHOP INTRODUCTION	Caroline Lambert Head of I&S - Circular economy and sustainable industry - JRC ES 09:00 to 9:15
Volume of participants	19
Policy Context	Jean Carlsen Head of I&S - Energy intensive industries - JRC ES 09:15 to 09:55
<ul style="list-style-type: none"> Revised SD Steel and Metals Action Plan 	Yoon Seokki Head of I&S - Steel and Metals - JRC ES 09:55 to 10:10
Workshop objectives / INCITE innovation	Eric Arnes Scientific Officer - JRC ES 10:10 to 10:25
Registration on the INCITE Platform	Rebecca Bellomo Scientific Officer - JRC ES 10:25 to 10:35
EUROPER presentation Activities of the EUROPER Platform Workshop Group: pathways to decarbonisation / circularity	Ramón Crespo - Director Environment and Research - EUROPER Ivan Siles - Director - EUROPER 10:35 to 10:45
MS perspectives on INCITE and IS sector advancement Research & decarbonisation targets	Indira Pichler Senior expert - I&S - Germany Martina Petersen Administration Officer - I&S - Sweden Andersson Andersson 11:00
TECHNICAL INNOVATION IN THE IRON AND STEEL SECTOR - DECARBONISATION Scope setting, Decarbonisation Challenges to the IS sector in the global context and related values of INCITE	Professor Lars J Nilsson 12:00
EasyMet Blue Steel furnace	Alvaro Pérez Román Vice President - Paul Wurth Wen You Ren Koppitz CEO - Ausimont 12:00 to 12:45
MSU D-COPE plasma project (Anoximetal - Ghent)	Wen You Ren Koppitz CEO - Ausimont and Sangeeta Manocha Global Director of Business Development - Leontium 12:45 to 13:00
COFIN	Wen You Ren Koppitz CEO - Ausimont 13:00 to 13:45
Steelwind Leontium	14:00 to 14:30
Exchange of views on Pathway 2	14:30 to 15:30
<ul style="list-style-type: none"> Pathway 2 - Direct smelting technologies 	Michael Andrew Zurl Team Lead - Centre Expert - I&S-HEI 15:30 to 15:50
COFIN Break	15:50 to 16:15
Exchange of views on Pathway 2	16:15 to 17:00
<ul style="list-style-type: none"> Pathway 3 - Direct reduction technologies 	Alexander Fritschenthaler CEO - Head of Steel - Primetal Technologies Austria 17:00 to 17:30
Close of Day 1	17:30 to 17:35

Day 2 - 14 th May 2025	
TECHNICAL INNOVATION IN THE IRON AND STEEL SECTOR - DECARBONISATION	
Day 2 Introduction	Eric Arnes Scientific Officer - JRC ES 09:00 to 09:15
Flagship Research Calls under the Clean Industrial Deal and the Steel and Metals Action Plan	Alexandra Calli Policy Officer - DG RTD ES 09:15 to 9:30
Pathway 3 - Direct reduction technologies (Continued)	
<ul style="list-style-type: none"> H-CO - Melting - BOP streamlining decarbonisation 	Florian Kreuzer Head of I&S - JRC ES 09:30 to 09:45
Pathway 3 - Direct reduction technologies (Continued)	
<ul style="list-style-type: none"> Part 1: The Hybrid pilot scale 	Geoffrey Hylander General Manager - Hybrid Development ES 09:45 to 10:15
<ul style="list-style-type: none"> Part 2: H-CO/COF streamlining / Full scale plant in Australia IS 	Eric Arnes Senior Project Manager - Reduction and Decarb. - I&S 10:15 to 10:30
COFIN Break	10:30 to 10:45
Exchange of views on Pathway 2	10:45 to 12:30
<ul style="list-style-type: none"> Pathway 4 - Electrification / H₂ integration in downstream processes 	Rebecca Bellomo Project Manager - Agate Industry Jordi Torres Borradori ESB General Manager - Clean Long 12:30 to 12:50
COFIN Break	12:50 to 13:05
Exchange of views on Pathway 4	13:05 to 13:15
<ul style="list-style-type: none"> Electrification of Ferrous Metal Processes and development of process features 	Dilip Chandrasekar Global Business Development Manager - Aurubis 13:15 to 13:30
COFIN Break	13:30 to 13:45
Exchange of views on Pathway 4	13:45 to 15:15
<ul style="list-style-type: none"> Pathway 4 - Electrolysis of iron ore 	Adam Rasmussen DTP Business Development - Boreas Metal 15:15 to 15:30
COFIN Break	15:30 to 15:45
Exchange of views on Pathway 2	15:45 to 17:30
Close of Day 2	17:35 to 17:40

Day 3 - 15 th May 2025	
TECHNICAL INNOVATION IN THE IRON AND STEEL SECTOR - CIRCULARITY	
Circular economy / Industrial symbiosis technologies (In g. with cement, chemical sectors)	
Day 3 Introduction	Eric Arnes Scientific Officer - JRC ES 09:00 to 09:15
Pathway 3 - Technologies for better iron (characteristics)	
PURECLUMP	Janica Pettersson Group Manager - IMBRIUM 09:15 to 09:45
COFIN Break	09:45 to 10:00
GREENIRON	Linda Ali CEO - Greeniron 10:00 to 10:15
COFIN Break	10:15 to 10:30
EUROFER	European Regional Director - Ternis M. Leuchtermeier Senior Researcher - Technical University Leoben 10:30 to 10:45
COFIN Break	10:45 to 11:00
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Impact INCITE deliverables



Swedish innovations on
INCITE platform



Support evaluation of
technologies on platform

Target: 10 Swedish innovative techniques on the platform

Actions:

- Dissemination of information
- Overview of relevant research projects
- Webinars with information and guidance
- Bilateral meetings
- Techniques presented in IS workshop in Sevilla
- Speaking partner to INCITE, relay of feedback

Status:

- Several Swedish techniques uploaded or in submission process
- Evaluation to be performed by INCITE team



Impact INCITE deliverables



First-of-a-kind (FOAK)
visits in Sweden

Report from FOAK visits in Sweden (September 2024) distributed



Impact INCITE deliverables



Report learnings - applicable for future work and other sectors

- Follow-up meetings with Swedish Environmental Protection Agency
- One year with INCITE (today)
- Net Zero Industries & Swedish Metals and Minerals workshop (November)
- Report (coming)



From Impact INCITE participants

Why Impact INCITE?



All BREFs

Ongoing BREF revision or new BREF, EU-BRITE

INCITE focus area 2025

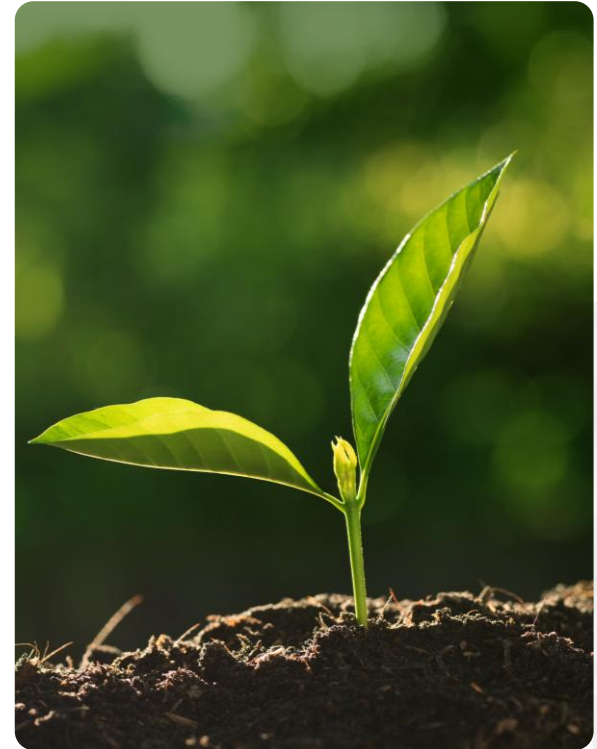
Suggestions to INCITE (in working programme Art 13)

For which you can register innovative technologies, with color coding of ongoing activities

Production of Chlor-alkali	Mining (extraction) of ores
Ceramic Manufacturing Industry	Non-ferrous Metals Industries
Production of Cement, Lime and Magnesium Oxide	Manufacture of Organic Fine Chemicals
Common Waste Water and Waste Gas Treatment/Management Systems in the Chemical Sector	Production of Polymers
Economics and Cross-media Effects	Production of Pulp, Paper and Board
Emissions from Storage	Refining of Mineral Oil and Gas
Energy Efficiency	Monitoring of Emissions to Air and Water from IED Installations
Food, Drink and Milk Industries	Slaughterhouses, Animal By-products and/or Edible Co-products Industries
Ferrous Metals Processing Industry	Smitheries and Foundries Industry
Manufacture of Glass	Production of Speciality Inorganic Chemicals
Industrial Cooling Systems	Surface Treatment of Metals and Plastics
Intensive Rearing of Poultry or Pigs	Surface Treatment Using Organic Solvents including Wood and Wood Products Preservation with Chemicals
Iron and Steel Production	Tanning of Hides and Skins
Landfills	Textiles Industry
Large Combustion Plants	Waste Incineration
Large Volume Inorganic Chemicals	Waste Treatment
Production of Large Volume Organic Chemicals	

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