Jernkontorets forskning

Rapport D 905

BEST PRACTICE - insights from Impact INCITE
Shaping the future of industrial innovation

Tova Jarnerud Örell, Swerim, Jill Sundberg, Swerim and Eva Blixt
Jernkontoret

Nyckelord:
Verktyg för policypåverkan, INCITE, Industriell omställning, Innovativa tekniker, Industriutsläppsdirektivet (IED), BREF, Best available techniques (BAT), Emerging Techniques (ET), FOAK, TRIT, EU-forsknings-, industri- och miljöpolitik

RAPPORT 905 2026-02-26
ISSN 0280-249X

Besöksadress
Kungsträdgårdsgatan 10

Postadress
Box 1721, 111 87 Stockholm

Telefon
+46 (0)8 679 17 00

E-post
office@jernkontoret.se

Webbplats
www.jernkontoret.se

Organisationsnr
802001-6237

Distribution

Öppen rapport utan begränsning

This report has been written by:

Tova Jarnerud Örell (Swerim), Jill Sundberg (Swerim), and Eva Blixt (Jernkontoret)

In collaboration with Impact INCITE project members:

Nicolai Schaaf (Kanthal), Lars J. Nilsson (Lunds Universitet), Jesper Kansbod (SSAB), Markus Odevall (LKAB), and Stina Andersson (Teknikföretagen).

Stockholm, 2026-01-26

RAPPORT 905 2026-02-26 ISSN 0280-249X

BEST PRACTICE
– Insights from Impact INCITE

Shaping the future of industrial innovation

Tova Jarnerud Örell (Swerim), Jill Sundberg (Swerim), Eva Blixt (Jernkontoret)

RAPPORT 905 2026-02-26 ISSN 0280-249X

Introduction

In June 2024, the European Commission launched **INCITE** – the Innovation Centre for Industrial Transformation and Emissions – in Seville. Its purpose is to accelerate the adoption of innovative techniques in energy-intensive industries regulated under the Industrial Emissions Directive (IED), including steel, chemicals, pulp and paper, cement, mining, and foundries. Over the past 18 months, INCITE has developed tools and processes to support this transition, with formal rules expected in 2026.

To ensure Sweden is well-prepared and actively engaged, a consortium of stakeholders initiated **Impact INCITE**, a one-year project designed to explore this new landscape, strengthen collaboration with INCITE, and connect key actors across industry, research, and policy.

What you will gain from this report:

- A clear understanding of INCITE's role in EU industrial transformation and its connection to IED 2.0.
- Practical guidance for stakeholders – industry, technology providers, academia, authorities, and research institutes – on how to engage and create impact.
- Inspiring examples of successful collaboration and strategies for maintaining momentum.
- Reflections on INCITE's evolving approach and future development.

About this report

This report presents tools, policy pathways, and best practices shaping Europe's green industrial future, based on insights from the Impact INCITE project. The initiative was funded through Impact Innovation by Energimyndigheten (Swedish Energy Agency), Formas (the Swedish government research council for sustainable development), and Vinnova (Sweden's Innovation Agency) in a call *"Regulations and policy instruments for a sustainable industry"* under the programs Swedish Metals & Minerals and Net Zero Industry. A committee at Jernkontoret preparing for the revision of the Iron and Steel BREF (95005 IS BREF) has been the project's reference group.

To facilitate reading, key terms and definitions for acronyms and abbreviations used in the report are provided on page 1.

Executive summary

Europe's energy intensive industries – like steel, cement, chemicals, pulp and paper, and mining – are central to achieving the EU's climate neutrality target for 2050. To support this transformation, the European Commission launched **INCITE** (Innovation Centre for Industrial Transformation and Emissions) in Seville in 2024. INCITE serves as a hub for innovative technologies (TRL 6–9) and creates a link between innovation and regulation under the revised Industrial Emissions Directive (IED 2.0). Formal rules for INCITE will be adopted in 2026, but its work is already influencing Europe's industry.

To ensure Swedish stakeholders are informed and actively involved, the **Impact INCITE** project was initiated under the national Impact Innovation program. The project focused on building awareness, facilitating collaboration, and showcasing Swedish innovations through INCITE's platform and knowledge-sharing network. While the primary emphasis was on the iron and steel sector – the first addressed by INCITE – the project also laid the foundation for broader engagement across other industries. Early Swedish engagement delivered strong results in iron and steel; however, participation must broaden to other stakeholders to retain long-term influence within INCITE.

Key Achievements

- **Active participation:** Sweden contributed significantly to INCITE's first sectoral workshop for iron and steel, with one-third of speakers from Swedish organizations.
- **Technology visibility:** Swedish innovations were successfully listed on INCITE's platform as well as in the expected technical report (TRIT) in 2026, strengthening presence in EU-level discussions and future BREF revisions.
- **Collaboration and outreach:** Impact INCITE organized national workshops, bilateral meetings, and a flagship event, fostering dialogue among industry, academia, and authorities.
- **First-Of-A-Kind visits:** Highlighted pioneering technologies such as HYBRIT and GreenIron demonstrating Sweden's commitment to industrial decarbonization.

Insights and lessons

- **Mapping of Swedish innovations proved effective**, though very resource intensive.
- **Early coordination matters:** Structured collaboration is essential to maintain visibility and influence in EU processes.
- **Communication drives engagement:** Clear messaging and tailored outreach help stakeholders understand the value of participation.
- **Trust requires transparency:** Handling confidential business information and ensuring cybersecurity are critical for building confidence.

Key gaps and risks

- **Dissemination mechanisms are insufficient** to ensure it reaches relevant stakeholders.
- **Unclear responsibilities** and no permanent national mechanism for identifying techniques for INCITE.
- **Confidentiality** and cyber-security concerns related to innovation data sharing.
- **Reliance on short-term funding** threatens continuity and institutional learning.

Overall recommendations

1. **Create a national long-term coordination structure:** Secure funding to a network node to sustain Swedish participation beyond the iron and steel sector, to co-operate with public sector. Establish a national reference group.
2. **Driving stakeholder engagement:** Tailor-made outreach needed (see dedicated section in this report).
3. **Promote Swedish contributions:** Use INCITE as a platform to highlight techniques and influence EU policy.
4. **Develop innovation policies and research:** Align INCITE work with Sweden's national innovation policy and established excellence clusters.

INCITE is an important mechanism for Europe's industrial transformation. Through Impact INCITE, Swedish stakeholders have taken meaningful steps to engage and contribute. Continued collaboration and proactive involvement will be key to maintaining momentum and ensuring long-term impact.

Key terms and definitions

(legal text in *italics*)

Article 13 Forum	Article 13 of the Industrial Emissions Directive requires the Commission to organize an exchange of information between various actors: Member States, the Commission, industries concerned, and NGOs promoting environmental protection and human health. The aim is to draw up, review and, where necessary, update BREFs. The Commission has established a formal expert group forum through a commission decision for the IED Article 13 forum.
BAT	Best Available Techniques. Techniques that are the most environmentally effective and economically and technically viable for the prevention and control of emissions. *‘ ...(a) ‘techniques’ includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned; (b) ‘available techniques’ means those developed on a scale which allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the costs and advantages, whether or not the techniques are used or produced inside the Member State in question, as long as they are reasonably accessible to the operator; (c) ‘best’ means most effective in achieving a high general level of protection of the environment as a whole.* (EUR-Lex - 02010L0075-20110106 - EN - EUR-Lex Article 3(10)).
BATC	Best Available Techniques-Conclusions. The basis for setting permit conditions in the environmental permits.
BATIS	BAT Information System. Information platform for technical working group members (TWG).
BREF	Best Available Techniques REFerence Document (EUR-Lex - 02010L0075-20110106 - EN - EUR-Lex Article 3(11)) used in EU permitting processes for large emitters in industry and agroindustry. It defines activities, and describes applied techniques, present emissions and consumption levels, techniques considered for the determination of best available techniques as well as BAT conclusions (BATC) and any emerging techniques. Annex 1 activities are clustered in various BREF, explain the production processes, the emissions, techniques to reduce emissions, and binding values (environmental norms) in BAT-conclusion. The list of BREF can be found in Appendix 4 of this report.
CBI	Confidential Business Information.
Circular economy	In a circular economy, products and materials are kept in circulation for as long as possible, and waste and resource use are minimized (Circular Economy - Environment - European Commission). An economic system that uses a systemic approach to maintain a circular flow of resources by recovering, retaining or adding to their value while contributing to sustainable development.
CLM	Cement, Lime and Magnesium BREF. (Production of Cement, Lime and Magnesium Oxide | EU-BRITE)
DIT	Deep industrial Transformation – Implementation of emerging or best available techniques involving major changes in design or technology of installations, or replacing existing installations, to achieve substantial greenhouse gas reductions and optimize environmental co-benefits in line with climate neutrality goals. (Directive - EU - 2024/1785 - EN - EUR-Lex Article 27e)
Energi-myndigheten	The Swedish Energy Agency.
ET	Emerging Technique. A novel technique for an industrial activity that, if commercially developed, could provide higher environmental protection or cost savings compared to existing BAT. (EUR-Lex - 02010L0075-20110106 - EN - EUR-Lex Article 3 (14))

EU-BRITE	The European Bureau for Research on Industrial Transformation and Emissions (EU-BRITE) is part of the Circular Economy and Sustainable Industry Unit of Directorate B - Fair and Sustainable Economy, one of six scientific directorates of the European Commission's Joint Research Centre (JRC). (About us | EU-BRITE)
EUROFER	The European Steel Association.
FOAK	First of a Kind – refers to pioneering technology demonstrations or pilot projects that showcase innovative solutions in real-world conditions.
Formas	Swedish government research council for sustainable development.
IED	Industrial Emissions Directive *(2010/75/EU)* lays down the rules on integrated prevention and control of pollution from industrial activities. In 2024 the IED was amended by Directive (EU) 2024/1785 (Consolidated TEXT: 32010L0075 — EN — 04.08.2024). As a key provision, the IED requires EU Member States to set permit conditions for installations on the basis of Best Available Techniques (BAT).
Impact INCITE	A Swedish national project (November 2024 – December 2025) under the Impact Innovation program, focused on raising awareness of INCITE and promoting Swedish contributions to industrial transformation. (Impact INCITE | Swerim)
Impact Innovation	Sweden's major innovation initiative funded by the Swedish Energy Agency (Energimyndigheten), Swedish government research council for sustainable development (Formas), and Sweden's Innovation Agency (Vinnova) to tackle sustainability challenges.
INCITE	European Innovation Centre for Industrial Transformation and Emissions, a platform for innovative technologies (TRL 6-9) to achieve decarbonization, depollution, increased resource efficiency and circular economy in large industrial plants (European Innovation Centre for Industrial Transformation and Emissions | INCITE). Initial focus on energy-intensive industries (e.g., iron and steel, cement, chemicals production).
Innovative techniques	*Innovative techniques (including emerging and transformative techniques) which contribute inter alia to minimization of pollution, decarbonization, resource efficiency, and a circular economy using fewer or safer chemicals.* (See also Appendix 3)
IS	Iron and Steel BREF. Including iron and steel production until casting. One of the oldest BREFs, revision to start 2026. (Iron and Steel BREF)
95005 IS BREF	A Swedish committee set up for the upcoming work with the revision of the Iron and Steel BREF. The committee is led by Jernkontoret.
Jernkontoret	The Swedish Iron and Steel Producers' Association.
Naturvårdsverket	Swedish Environmental Protection Agency (SE EPA).
RISE	Research Institutes of Sweden.
SE EPA	Swedish Environmental Protection Agency (Naturvårdsverket).
SWG	Shadow working group/groups normally set up in the European industry association to prepare and work with the BREF revision. For IS, EUROFER have started five SWG for different processes. Mirror groups are set up by Member States.
Teknikföretagen	Technology Industries of Sweden.
Tillväxtverket	Swedish Agency for Economic and Regional Growth.
TWG	Technical Working Groups. The Commission sets up or re-activates TWGs to collect and exchange information for drawing up, reviewing, or updating BREF. Each TWG consists of technical experts from the Commission, Member States, industries, and non-governmental organizations promoting environmental protection. Sweden is represented by the SE EPA (Naturvårdsverket), and for almost all BREF a national mirror working group is arranged.
TRIT	Technical Report on Innovative Techniques. First report is expected to be published in Q1 2026. It includes all sectors/BREF, but the main focus is on IS and CLM BREFs.

TRL	Technology Readiness Levels (Extract from Part 19 - Commission Decision C(2014)4995) is a scale for estimating the maturity of technologies, ranging from concept (TRL 1) to full commercial deployment (TRL 9). INCITE focuses on TRL 6–9 (demonstrated in relevant environments to operational prototypes).
Vinnova	Sweden's Innovation Agency.

Setting the scene: Why INCITE matters

The European Union (EU) has set ambitious climate and industrial transformation goals, aiming for climate neutrality by 2050. Energy intensive industries such as iron, steel, cement, and chemicals are central to this transition but face significant challenges in reducing emissions while remaining competitive. Traditional regulatory frameworks, while effective in reducing pollutants, have not been dynamic enough to support rapid deployment of innovative techniques according to an evaluation done by the Commission.

INCITE – the European Center for Industrial Transformation and Emissions – was established to bridge this gap. Its mission is to accelerate the adoption of innovative techniques and make permitting more flexible. The center acts as a bridge between innovation and regulation, helping new ideas move from the lab to the factory floor and ensuring that innovation informs regulatory processes. INCITE acts as a forward-looking center under the Industrial Emissions Directive (IED).

INCITE has been created to prepare for the future – helping industry remain in Europe, stay competitive, and ensure just transition that balances environmental goals with social and economic considerations. Think of INCITE as a stage where Europe´s most promising technologies are showcased to an audience including regulators, investors, and industry leaders, to make change happen.

Turning ambitious EU goals into real-world action

The revision of the Industrial Emissions Directive (IED 2.0) in 2024 marked a turning point. The updated directive emphasizes innovation[1], flexibility for testing and deploying emerging techniques, enabling industries to innovate faster while maintaining environmental integrity. Key provisions include:

- Establishing INCITE as a dedicated center to collect and analyze information on innovative techniques.
- Facilitating the testing of any type of emerging techniques (ET) for longer time period (30 instead of 9 months).
- The possibility of defining ET in the BAT Conclusions which then allowed a longer period to fulfill the requirements.

Innovative techniques submitted to the INCITE platform are evaluated based on their Technology Readiness Level (TRL), focusing on TRL 6–9, i.e., solutions demonstrated in relevant industrial environments[2]. In addition to mapping these techniques and assessing their environmental performance on the platform, INCITE also publishes their findings in an annual report (TRIT).

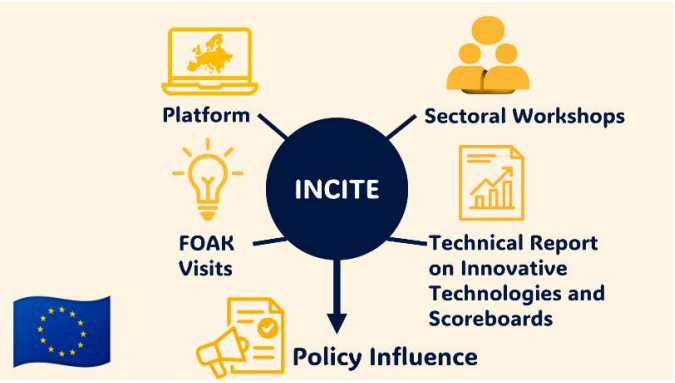
INCITE is, however, far more than a database. It is a proactive mechanism that helps industry and regulators move from lagging to leading and actively invites stakeholders to provide input

[1] IED 2.0 Recital 40 highlights the need for a dynamic approach to industrial transformation, encouraging Member States to integrate innovation into permitting processes. See Appendix 3.
[2] Ibid.

and connect with others. Stakeholders include, among others, Member States, industry, academia, research institutes, technology providers, and financial institutions. INCITE works with several tools:

- **The platform** – a central hub for collaboration and showcasing innovative techniques.
- **Sectoral workshops** – to engage stakeholders and share knowledge.
- **Annual Technical Report on Innovative Techniques (TRIT) and scoreboards** – to track progress and performance.
- **FOAK (First-Of-A-Kind) visits** – technology demonstrations to show what is possible.

The output from INCITE is used as information for the BREF process, and to identify technology gaps and need for research priorities in future funding and financial support.



Tools and outcome of the work within INCITE.

How will stakeholders be informed about this opportunity?

It is not common practice for research institutes or technology providers to check for planned INCITE workshops or to proactively request a presentation slot. Announcements posted on the Art. 13 forum (IED forum) typically do not reach these stakeholders, as many of them are not members of the Forum.

Innovation systems

The IED and the EU-ETS (Emissions Trading Scheme) have been the main policy instruments to govern industrial emissions in Europe, and both have been effective in reducing emissions. In the case of greenhouse gases from industry, this has so far resulted in only slight reductions, for example in the emissions intensity of the steel and chemical industries from about 2010 to 2020[3]. Such marginal emission reductions can be relatively easily achieved in industry through energy efficiency measures and some fuel switching (e.g., from coal to gas). However, for reaching net-zero greenhouse gas (GHG) emissions, necessitated by international and EU climate targets, major shifts in process technologies and feedstocks are required. Direct and indirect electrification (e.g., hydrogen), and carbon capture usage and storage (CCUS) are key supply-side options for heavy industry to reduce CO_2 emissions. Electrification generally also has the benefit of reducing non-CO_2 emissions that are regulated under the IED. High quality recycling (which is possible for steel but more challenging for plastics) is also a key option as it reduces the need for primary processing and new feedstock. These major shifts in process technologies and feedstocks are what motivates INCITE and makes it so important.

[3] Towards EU climate neutrality: progress, policy gaps and opportunities

Historically, emission intensive industries have been seen as mature sectors and they have not been in the spotlight for innovation policy. Innovation in these industries has been mainly about product development and minor process improvements[4]. For industrial decarbonization, however, innovation pipelines are required to ensure that new technologies are developed, demonstrated, piloted, and deployed at scale. This in turn motivates industrial policy that has a clear direction towards a circular economy, climate neutrality, supports innovation and new infrastructures, creates market demand, builds governance capacity, addresses international coordination, and includes mechanisms for a just transition[5]. The EU already has many of the key elements of such a policy and recently added Carbon Border Adjustment Mechanism (CBAM) to prevent carbon leakage, as well as the upcoming Industrial Accelerator Act (IAA) to create green lead markets. INCITE is a key piece in this mix and helps strengthen the innovation pipeline by highlighting and supporting TRL 6-9 and beyond, decarbonization technologies, circular economy, resource efficiency as well as other emissions.

Impact INCITE: Building momentum together

From vision to results in one year

The Swedish project **Impact INCITE**´s main goal was to make INCITE visible to the Swedish industry, and the Swedish industry visible to INCITE. The project was launched in November 2024 as part of Sweden's major innovation initiative Impact Innovation, funded by Energimyndigheten, Formas and Vinnova. Impact INCITE brought together a strong consortium of stakeholders representing technology providers, mining companies, steel producers, trade associations, universities, and research institutes. This collaboration ensured broad expertise and engagement across the value chain. The participating organizations included Kanthal, LKAB, SSAB, Teknikföretagen, Jernkontoret, Lund University, and the project was coordinated by the Swedish metals research institute Swerim. The project aimed to ensure Swedish contributions by coordinating stakeholder engagement, knowledge sharing, and to ensure Swedish industry and research actors are actively involved in shaping the development of INCITE.

Key success factors for Impact INCITE.

The project focused mainly on iron and steel production, as it was the first BREF specifically addressed by INCITE. Impact INCITE aimed to ensure Sweden's leadership role in industrial transformation through active participation and highlighting Swedish innovations that reduce emissions, improve resource efficiency, and support circular economy principles. Moreover, Impact INCITE supported EU-level discussions with Swedish perspectives and expertise. Also, the aim was to have ten Swedish innovations listed on the INCITE platform.

[4] Wesseling et al. 2017, https://www.sciencedirect.com/science/article/pii/S1364032117307906
[5] Nilsson et al.2021 Full article: An industrial policy framework for transforming energy and emissions intensive industries towards zero emissions

95005 IS BREF committee at Jernkontoret was the reference group for information sharing and testing tools. The involvement of the committee also ensures continuity for the start of the revision of the IS BREF that starts in 2026, after the end of the research project. A transformation working group was also formed at the European steel association EUROFER with steel industry, researchers and technology providers to work with INCITE, e.g., the preparation for the IS workshop and to find and engage project leaders for relevant EU research projects for the platform. Impact INCITE worked in close cooperation with EUROFER to list Swedish research project, technology providers and FOAK plants.

Collaboration, communication, and concrete results

The project significantly strengthened the Swedish position in the European innovation ecosystem by fostering collaboration and accelerating knowledge exchange. Through **targeted seminars and bilateral meetings**, Impact INCITE engaged key stakeholders and built strategic partnerships. Multi-stakeholder workshops, including the fully booked flagship event "One Year with INCITE – Keep Up the Pace!" at Jernkontoret where industry leaders, researchers, authorities, and policymakers in Sweden and EU exchanged ideas, planned next steps, and built trust. The seminar featured engaging discussions and was recognized as a successful example of national and international collaboration. A summary of the event was published on the INCITE webpage. All presentations are available on the Impact INCITE webpage, and video recordings are available from Swedish Metals & Minerals on YouTube.

One year with INCITE: Keep up the pace – INCITE and Sweden collaboration.

One important initial target of the project was to **identify relevant innovative techniques** to inform about this new possibility. To find and evaluate relevant projects, lists were requested from national funding agencies and webpages. However, most webpages are not organized in a way that makes them easily accessible for INCITE and BREF purposes.

The labor-intensive process resulted in a curated set of national techniques for **inclusion on the INCITE platform and/or for the upcoming workshops**, to be used by INCITE, EUROFER, and in the project for tailor made outreach activities. By mapping Swedish innovations for inclusion on the INCITE platform, the project showcased national capabilities on an international stage. However, this approach required significant efforts, and the overall conclusion is that support from the authorities is necessary to carry out this manual sorting (see section stakeholder recommendation in this report).

Some Swedish techniques are now featured on the INCITE platform by tailored communication materials (per stakeholder) and knowledge-sharing tools to keep stakeholders informed and engaged. Direct collaboration with the INCITE team ensured that Swedish innovations were visible and well-integrated into the European innovation landscape. Coordinating Sweden's

input into EU-level discussions with the INCITE team and EUROFER paved the way to achieve a broad Swedish participation.

Sweden demonstrated strong visibility at the first **sectoral workshop** for Iron and Steel (IS) production, where one-third of the speakers were Swedish, from HYBRIT, LKAB, Kanthal, GreenIron, Lund University, Swerim as well as Naturvårdsverket. The successful Swedish contribution was the result of proactive work by Impact INCITE and Jernkontoret. As a comparison, the second sectoral workshop – focused on Lime, Cement, and Magnesium Oxide (CLM) – had no Swedish presentations or on-site participations and only a few Swedish online participants from Naturvårdsverket and the project team. This illustrates the importance of structured collaboration and early planning. Without it, Sweden risks losing influence in key European discussions and policy processes. Maintaining visibility requires coordinated efforts across industry, authorities, and research actors to secure representation and visibility in all relevant sectors.

Participants at the INCITE 1st Sectoral workshop on innovative techniques in the Iron & Steel sector in Seville, May 13-15, 2025.

Moreover, by initiating INCITEs and Sweden's first **First-Of-A-Kind (FOAK) visit** (Link to FOAK report), the initiative accelerated groundbreaking solutions and set a benchmark for industrial innovation. The INCITE delegation visited Kanthal, GreenIron, the HYBRIT pilot plant, and Stegra. This pioneering effort reinforced Sweden's role as a frontrunner in sustainable industrial transformation and demonstrated the country's capacity to lead in implementing cutting-edge technologies.

Photos from the First-Of-A-Kind visit in Sweden. Kanthal (to the left) and the HYBRIT pilot plant (to the right).

Lessons learned

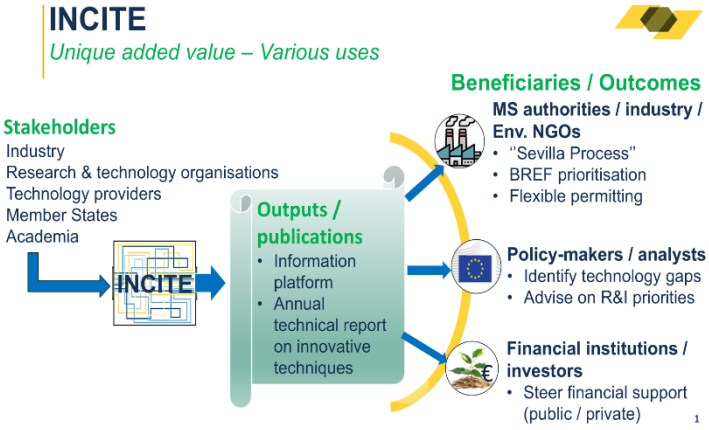
The story of Impact INCITE shows what can be achieved by creating a network node connecting research, innovation, and policy development. By turning collaboration into concrete action strong partnerships between steel industry, technology providers and research created a dynamic environment where ideas could move quickly from concept to implementation. Through clear and consistent communication – using relevant events, networks, and **targeted outreach** – it was able to strengthen Swedish visibility and contribute meaningfully to the progress of sustainable industrial transformation.

The process, however, has not been without challenges. Common barriers include uncertainty about the benefits ("What´s in it for me?"), hesitation to share information, and concerns about data security. The work often fell in a gray area – neither fully technical nor purely policy driven – requiring engagement across multiple functions. Technical experts were sometimes uncomfortable with legislative aspects, while those focused on policy, innovation, or sustainability lacked deeper technical knowledge. Environmental experts are often not familiar with TRL levels and research. Questions frequently asked arose about why techniques should be shared, and many stakeholders were unfamiliar with such collaborative processes. These challenges are important lessons learned:

- Relevant information is available; however, dissemination mechanisms are insufficient to ensure it reaches relevant stakeholder.
- Consistent outreach efforts are important to ensure cooperation and progress with clear and continuous communication, reach out beyond IED-regulated companies.
- Stakeholders need to understand "the value", which varies across different groups. Therefore, information should be tailored to the needs of each stakeholder group.
- Possibility to have confidential business information (CBI). A standardized agreement on cyber security is lacking and needed by request.
- Creating awareness among different authorities and funding agencies is critical to gain progress to coordinate nationally and prepare sector inputs early. Finding relevant techniques is currently challenging – information is available, but it is not structured and searchable for IED and INCITE purposes.
- To be successful, strong cooperation between the public and the private sector is necessary, with explicitly designated responsibilities.

Driving stakeholder engagement – Today and Tomorrow

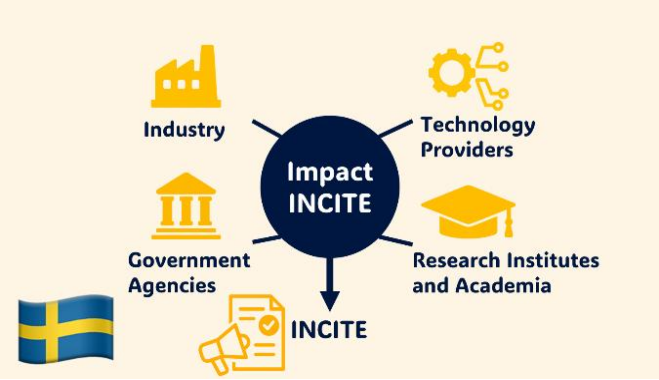
INCITE has identified a broad range of stakeholders within its ecosystem – including industry, research and technology organizations, technology providers, Member States, academia, non-governmental organizations, policymakers, financial actors, and the general public. For INCITE to succeed, key stakeholders such as companies, technology providers, and research organizations must engage directly by uploading technologies to the INCITE platform, participating in sectoral workshops, and contributing to INCITE's annual report. An important issue to address going forward is how to reach all stakeholders with information about the opportunity INCITE offers. Many organizations are not actively monitoring the EU work and announcements on the Art. 13 forum or INCITE's website do not reach technology providers and institutes that are not part of that forum.



Stakeholders and beneficiaries in INCITE. Figure from Eric Aries, EU-BRITE – Joint Research Centre – Seville.

The project Impact INCITE has not interacted with all stakeholders, such as financial markets and non-governmental organizations, but focused on involving industry, technology providers, research institutes and academia, and on dialogue with authorities and INCITE. Stakeholder incentives to participate and recommendation per stakeholder for policy impact are based on the insights from Impact INCITE. It is not sufficient for each stakeholder to act individually; cooperation between stakeholders is also required, along with the establishment of connecting nodes in Europe in the coming years. General recommendations are given in the final section of this report.

Iron and Steel industry



Key stakeholders in focus for Impact INCITE.

INCITE is highly relevant for the iron and steel industry as the very first INCITE workshop covered transformative techniques for iron and steel production. Jernkontoret has been a key point of connection between the iron and steel companies, most of them already in the committee 95005 IS BREF. SSAB and LKAB were early to recognize the importance and have been represented in the Impact INCITE project working group, while the engagement has also been spread within the organization and including the technical experts in companies. The same is true for Kanthal, with two different roles, first being regulated as steel industry under IED, secondly being a technology provider to many of the sectors concerned. The INCITE platform and workshop were considered good opportunities to benchmark their own development and as an overview of emerging and existing technologies for the sector.

Moreover, Swedish steel industry will be very well prepared for the IS BREF process thanks to its active participation from the very beginning, ensuring alignment and readiness for upcoming requirements. INCITE´s annual report – scheduled for release in Q1 2026 – will present results achieved under the initiative, including several Swedish technologies. IS BREF is the main

BREF but there are also other side-BREFs, for example Ferrous Metal processing, Large Volume Inorganic chemical (sulfuric acid), Surface treatments of metals and plastic, Landfills, or Cement, Lime and Magnesium oxide (where slags can be an alternative material). INCITE includes all sectors, and all BREFs will be revised every eight years. INCITE focus will move to other sectors but continued engagement is needed.

"One of the purposes of INCITE is to accelerate the implementation of clean industrial technologies and work for a more competitive industry in Europe. This fits very well for SSAB. Innovation is and has always been at the core of our business – we already today create customer value with our high-strength steels and special steels and are investing heavily to transform and modernize our production system in Sweden.

INCITE also provides the information platform that gives us an opportunity to showcase our innovative and breakthrough HYBRIT technology, that we have developed together with LKAB and Vattenfall. After more than 5 years of R&D and pilot trial campaigns we have proven that a fossil-free iron- and steelmaking value-chain is possible and can pave the way for a technological shift – and inspire future regulations."

– Jesper Kansbod, SSAB.

Jesper Kansbod, Head of Governmental relations (SSAB).

Recommended steps forward for iron and steel industry

- **Prepare for upcoming, not steel-specific, BREF revisions:** Map technologies relevant to multiple sectors (e.g., cement, lime, magnesium oxide) and ensure readiness for cross-sector engagement.
- **Engage actively in INCITE activities:** Participate in sectoral workshops (not only steel specific) and technical discussions to ensure Swedish perspectives influence EU-level decisions.
- **Continue to register techniques on the INCITE platform:** Showcase innovative new solutions from TRL 6 and above.
- **Collaborate through industry associations:** Work closely with EUROFER to coordinate input and maintain strong representation in upcoming shadow working groups (SWG) and technical working groups (TWG).
- **Promote Swedish leadership internationally:** Use INCITE as a stage to highlight breakthroughs and other FOAK projects, reinforcing Sweden's role as a frontrunner in industrial decarbonization.
- **Build internal awareness:** Inform technical experts and sustainability teams about INCITE´s role and benefits to encourage proactive participation.
- **Leverage INCITE for benchmarking**: Use the platform and scoreboards to compare innovative techniques and identify opportunities for collaboration and investment.
- **Prepare for upcoming regulatory changes in environmental permits:** The license to operate is based on BAT conclusions.

Other industries regulated by IED

The Impact INCITE project focused on the iron and steel sector, but also encouraged stakeholders within other industries to engage with INCITE. The project has also monitored INCITE activities e.g., the workshop for Cement, Lime and Magnesium oxide and provided information to companies related to the sector. During 2026 at least two workshops will be held, the first will be for pulp and paper, and second is not yet decided (it may be Glass – the oldest BREF together with IS – or Refineries). The work program for revision of BREF is currently based on the age of the BREFs rather than the findings from INCITE (see Appendix 4 for list of BREFs, ongoing and planned).

While this one-year project actively focused on iron and steel stakeholders, the outcome is intended to be useful for all other sectors. Transferring knowledge and learnings about the way of working with INCITE to other sectors is a key outcome of the project and has been addressed through the open workshops and overall communication, but also with interactions and meetings with e.g., RISE (Research Institutes of Sweden), Teknikföretagen, and Net Zero Industry. However, interaction outside the iron and steel sector has been limited so far, highlighting an opportunity to broaden engagement beyond iron and steel.

Recommended steps forward for other industries regulated by IED

- **Monitor INCITE developments:** Stay informed about sectoral workshops such as pulp and paper, glass, refineries, chemical industries.
- **Engage early:** Participate in INCITE workshops to ensure Swedish innovations and techniques as presented.
- **Register techniques on INCITE platform:** Showcase innovative solutions from your industry to gain visibility and shape EU-level decisions.
- **Work through trade associations:** Collaborate with your national and EU industry associations to coordinate input and share best practices for INCITE engagement.
- **Leverage cross-sector knowledge:** Learn from the iron and steel sector´s experience with INCITE and apply similar strategies for representation and impact.
- **Prepare for upcoming regulatory changes:** Use INCITE as a tool to anticipate new requirements and turn compliance into a competitive advantage.
- **Connect with research and technology providers:** Build partnerships to accelerate innovation and deployment of sustainable solutions.
- **Monitor Naturvårdsverket website**: Naturvårdsverket has a webpage with information about INCITE (in Swedish). Check for updates on upcoming BREF and sectors scheduled for revision to stay ahead of regulatory changes.
- See also recommendations under section Iron and Steel above.

Technology providers to IED regulated companies

All companies that have technologies reducing emissions or resource uses (energy, water, materials, chemicals) in the regulated sector can register on the platform.

For technology providers, INCITE offers a unique entry point into the EU market – a space to showcase solutions and connect with early adopters. Direct or indirect requirements in permitting approximately 75,000 installations could lead to increased market shares and attract new customers. INCITE creates an environment where law and technology can evolve together, strengthening governance and opening new markets for the green industries of tomorrow.

An innovative technology submitted and evaluated by INCITE will be “star marked” by the European Commission on the platform. INCITE will inform about their findings on the

platform, FOAK and workshops, and in the annual report. The final assessment of whether an emerging technique is to be included in the BAT conclusion or not is done by the TWG for the relevant BREF. INCITE also plays a role in market intelligence and benchmarking by providing information on existing and upcoming technologies, their maturity levels, and performance. It offers an overview of relevant stakeholders, helping organizations stay informed and competitive.

In addition, INCITE´s scoreboards and annual reports serve as a foundation for allocating future research funding within the EU. Technologies featured on the platform receive a "star-mark" for sustainable financing, making them eligible for support from banks, investment funds, and institutions such as the European Investment Bank.

For technology innovators, INCITE offers a gateway to influence regulation and showcase solutions, and Kanthal, Kobolde, and GreenIron, have already actively contributed to the platform and/or workshops. Meetings have been arranged with a few more companies, but engagement has been quite low so far.

"INCITE is a unique approach to align policy and technology development. For Kanthal as a technology provider for electrification of industrial heating, it is crucial to be part of this dialogue. At the same time we are, as part of the iron and steel sector, subject to IED regulation. On the one hand, technology providers need to be visible and understand the processes behind INCITE and the Sevilla Process. On the other hand, the regulator needs to actively monitor and assess the maturity of emerging or already established solutions.

The Impact INCITE project provided the opportunity for both in a mutual learning between the participating organizations, Swedish and European stakeholders and the INCITE team".

– Nicolai Schaaf, Kanthal.

Linda Ahl, CTO (GreenIron) and Nicolai Schaaf, Sustainability manager (Kanthal) at the "One year with INCITE – keep up the pace" event in Stockholm, October 16, 2025.

Recommended steps forward for technology providers to IED regulated companies

- **Showcase your solutions on the INCITE platform:** Register innovative techniques to gain visibility among regulators, industry and investors.
- **INCITE as leverage for market entry:** Use the platform as a gateway to the EU market and connect with early adopters.
- **Participate in sectoral workshops:** Present your techniques, network with stakeholders, and influence future policy directions.

- **Prepare for regulatory opportunities:** Techniques featured on INCITE may receive recognition for environmental benefits in the upcoming BREFs and might also improve access to sustainable financing and research funding.
- **Collaborate with industry and research:** Joint projects can accelerate deployment and strengthen your position in upcoming BREF revisions.
- **Stay ahead of legislation:** INCITE helps anticipate regulatory changes, turning compliance into a competitive advantage.

Research organizations and academia

Institutes such as Swerim and RISE, together with universities, play a key role in connecting innovation with policy. INCITE works to support and accelerate industrial transformation and innovation, which fully aligns with Swerim's vision of a fossil-free and circular industry and with the mission and goals of RISE. INCITE creates opportunities to turn research results into concrete solutions and helps ensure that future regulatory requirements are relevant. Through continuous market intelligence, INCITE maps the research and technology landscape, publishes information, and brings stakeholders together in workshops. This makes the on-going research and capabilities visible for all Europe to present at a workshop. For upcoming EU funded calls, registering technologies will be a requirement, and a registered technology becomes visible to all, fostering interest and collaboration.

Finally, INCITE's scoreboards and reports provide a basis for decisions on areas for research funding, ensuring that resources are directed toward impactful techniques and innovations that support sustainability and circularity.

As the first workshop focused on Iron and Steel, the engagement of Swerim was logical and two of the presentations in Seville were held by Swerim. Also, early participation in EUROFER Transformation Working Group together with other "Steel institutes" created new networks, and Swerim is now part of all five Shadow Working Groups (SWGs) in EUROFER. Research is deeply connected to policy development and legislation.

"Net zero emissions in industry is a relatively new policy challenge, and it necessitates fundamental technology shifts. INCITE pinpoints a weak link in the innovation pipeline by facilitating the development and upscaling of new process technologies for heavy industry. It will surely generate great interest in the academic innovation systems and sustainability transitions research communities in years to come."

– Lars J. Nilsson, Lund University.

Lars J. Nilsson, professor (Lund University).

"Our role as an institute is to help the industry in this transformation. We have several tasks, of course being researchers, where we usually work at TRL 4 to 7, but we are also important for networking. We have a very good ecosystem in Sweden, with a good cooperation between universities, institutes, and industry. And with public funding, which is crucial - especially in these initial steps in the innovation process.

Our main purpose is to support the industry, and one way is with the work with the new BREF. We will attend [for the first time] the EUROFER shadow working groups. We should be very active there, and it is an opportunity for Sweden - for the steel companies and especially for the technology providers, and we can set the future demands through that route."

– Pontus Sjöberg, Swerim.

Pontus Sjöberg, CEO (Swerim).

Recommended steps forward for research organizations and academia

- **Connect research to policy:** Use INCITE as a bridge between scientific results and regulatory frameworks. Assess INCITE as an empirical case in innovation system research. Ensure that findings are visible and relevant for policy making and upcoming BREF revisions.
- **Register techniques on the INCITE platform:** Make research output and innovative techniques accessible to industry and policymakers. This will increase visibility, foster collaboration and enable real-world use of research results.
- **Engage in sectoral workshops:** Participate actively in INCITE workshops to share knowledge, influence discussions, and identify opportunities for joint projects.
- **Monitor INCITE scoreboards and TRIT:** These tools guide EU research priorities and funding decisions. Stay informed to align research strategies with emerging trends.
- **Collaborate across disciplines:** Work with industry and authorities to develop solutions that meet technical, environmental, and regulatory requirements.
- **Prepare for EU funding calls:** Registration on INCITE might become a requirement for certain calls.

Member States and authorities

INCITE introduces new challenges for authorities that go beyond the traditional BREF process. It is not just about compliance: it is about enabling innovation and accelerating industrial change. This requires coordination across authorities. Naturvårdsverket is representing Sweden in BREF making process (EU-BRITE) in Seville, in Art. 13 Forum and Art. 75 committee. In 2025, Naturvårdsverket carried out a government assignment to secure Sweden's participation in the formative phase of INCITE and to facilitate contacts between relevant actors and INCITE (more information can be found here in Swedish). The goals were to provide information, promote INCITE, and propose working methods for the future. The assignment was reported on November 25, 2025. During this mandate, Naturvårdsverket engaged in dialogue with Vinnova, Tillväxtverket, Energimyndigheten, and Formas. Naturvårdsverket launched a

dedicated web page, organized a webinar and participated in some workshops and webinars – including two national workshops arranged by Impact INCITE. These activities aimed to raise awareness and prepare Swedish stakeholders for active involvement.

Naturvårdsverket webinar June 3, 2025. From left: Moderator Tomas Chicote; Eva Blixt (Jernkontoret); Matthis Persson (Naturvårdsverket).

One of the proposals in the assignment is to continuously inform about INCITE, maybe as a jointly authority information sheet during 2026. Stakeholders for INCITE go beyond the sectors regulated by IED (annex 1 activities) and many of them normally do not monitor Naturvårdsverkets webpage about IED. They should also be able to find information about INCITE through other channels, and other authorities should also have an active role.

"The Swedish Environmental Protection Agency is proposed to have a coordinating role in the development and distribution of information about INCITE […] Several of the proposed activities would be strengthened by a continuous and close dialogue with relevant authorities. For INCITE to successfully collect information, companies, technology providers and research institutes need to make direct contact with INCITE […]."

— Naturvårdsverket, Government Assignment Report, November 25, 2025.

In the long run, it might be possible to add a requirement in research calls, when appropriate, to assess if the findings are valid for registration on the INCITE platform. Until then, support from research funding authorities (Vinnova, Formas, Energimyndigheten) is needed to do the compilation of relevant ongoing projects for the INCITE platform, and/or participation in a planned workshop in Seville. Tillväxtverket works to ensure competitive companies and sustainable development in all parts of Sweden. They offer knowledge, networks, and opportunities for investments that create the conditions needed to be able to face tomorrow's challenges. One primary task is helping to ensure that EU funds are invested in projects that promote regional growth and employment and INCITE issues suits well here.

Swedish authorities have a unique opportunity to shape the future of industrial regulation and innovation. However, co-operation between authorities is not enough; institutes (e.g., RISE and Swerim) and industry must be involved, hopefully organized through a long-term network node similar to Impact INCITE. Without strong representation on the platform, in upcoming workshops, and in the TRIT, Sweden risks losing visibility and influence.

Panel with representatives from Swedish authorities on October 16, 2025. From left: Mattias Blomberg, Senior Advisor (Formas); Rémy Kolessar, Deputy Director General & Head of International Cooperation Division (Vinnova); Johan Kuylenstierna, Director General (Naturvårdsverket); Björn Langbeck, Senior industrial and policy expert (Tillväxtverket).

Recommended steps forward for Member States and authorities

- **Coordinate nationally:** Naturvårdsverket as the appointed node for INCITE in cooperation both with other authorities (growth and research) and with a broad stakeholder group. Create an INCITE reference group on national level.
- **Frontload and inform**: Prepare early for upcoming INCITE workshops and sectoral discussions. Identify on-going and newly finalized projects via research funders to identify project leaders and speakers, and registrations on the platform.
- **Connect to research policy and funding:** Link INCITE activities to the national research and innovation policy to secure long-term impact. In the long run research funding requirements might require registering on the platform. Meanwhile some manual handling is needed from funding Swedish authorities and institutes to find relevant project for upcoming INCITE events and the platform.
- **Connect to small and medium sized companies:** Tillväxtverket´s Enterprise Europe Network (EEN) and other networks should be informed about INCITE possibilities.
- **Ensure visibility:** Active participation ensures that Swedish perspectives influence EU-level decisions and that national priorities align with European strategies.

Challenges ahead and recommendations for future work

Keeping momentum when INCITE expands

Long-term success depends on securing sustainable funding and commitment from key actors. Attracting technology providers is equally important to ensure diversity and innovation on the platform. Getting the right stakeholders involved in workshops and represented on the platform is vital. Maintaining interest and keeping the platform active and relevant requires continuous outreach and engagement and a clear value-proposition for contributors. Communication responsibilities must be clearly defined so that stakeholders receive timely information about upcoming workshops and that nominations for INCITE participation are managed effectively.

The Commission shall adopt an implementing act setting out the detailed arrangements necessary for the establishment and functioning of the center planned in 2026. Based on the project's one-year experience and input from various stakeholders this year, a few recommendations are given to consider.

Input for upcoming rules for INCITE:

- Define various **stakeholder roles** in INCITE, on EU and national level (e.g., authorities and research organizations).
- Set up a working program for INCITE similar to EU-BRITE for revision of BREFs, to encourage nominations for presentations in the **workshops**. See also Appendix 4.
- Invitation to upcoming workshops should be focused on stakeholders on the **European market and countries**.
- Workshops should cover **all environmental aspects in IED**, not only on transformative techniques for fossil-free production.
- **Cross-media effects** must always be included both at workshops and for the techniques on the platform.
- The evaluation of innovative techniques submitted to **the platform** must be reliable, fact-based and transparent.
- **Security of the platform:** CBI must be handled with care and a standardized agreement on cyber security should be developed for submitters.
- **TRL** level is a self-assessment tool and can differ between stakeholders. If similar techniques are uploaded on the platform a "general TRL" in TRIT report will be defined. These TRL levels must be discussed and updated continuously.
- INCITE **to inform** about innovative techniques via TRIT and platform. INCITE should not directly upload techniques from platform to BATIS, but the technology providers via their European Organization.

Other important issues for upcoming work:

- To **assess if a technique is BAT, ET or not even that**, is up to the TWG to decide, based on information given in the annual reports and on the platform. The BREF guidance has a ten-heading structure for BAT and something similar is needed for ET. See also Appendix 3.
- To be included in a **BATC as an ET**, the installations using this technique must be included in the data collection, e.g., via the questionnaire set up in the relevant BREF.

To keep Sweden at the forefront of industrial transformation, continued collaboration between industry, authorities, and research is essential. The progress achieved so far has relied on dedicated project funding. To maintain momentum, stable financing must be secured for sustained Swedish participation and leadership in INCITE activities. Success also depends on keeping the right stakeholders engaged and committed to driving the initiative forward.

At the same time, securing long-term resources is critical for sustained Swedish leadership in INCITE activities. Promoting Swedish innovations through the INCITE platform will help showcase national strengths and influence future policy directions. Many Swedish companies should be involved and can benefit from participating. Furthermore, these efforts should be closely connected to Sweden´s innovation policy, including priorities outlined in the national innovation proposition and initiatives such as excellence clusters in materials, production technology, and energy technology. This alignment will ensure that INCITE not only drives sector-specific progress but also strengthens Sweden´s role as leader in sustainable industrial innovation.

Swedish challenges include ensuring long-term commitment and maintaining momentum as INCITE expands into new sectors. Sweden is a leader in industrial innovation, and it is crucial to continue to submit techniques to the platform. Through Impact INCITE, it has been demonstrated that when innovation and policy work hand in hand, progress accelerates. The first year delivered tangible results: Swedish technologies are now visible on the INCITE platform and in the upcoming TRIT, stakeholders are engaged, and Sweden's voice is shaping EU-level discussions. But leadership is not a one-time achievement – it is a continuous effort.

To keep Sweden, its industry and research at the forefront, the following actions are recommended:

1. **Create a national long-term coordination structure:** Secure funding to a network node to sustain Swedish participation beyond the iron and steel sector, to co-operate with public sector. Establish a national reference group.
2. **Driving stakeholder engagement:** Tailor-made outreach needed (see dedicated section in this report).
3. **Promote Swedish contributions:** Use INCITE as a platform to highlight techniques and influence EU policy.
4. **Develop innovation policies and research:** Align INCITE work with Sweden's national innovation policy and established excellence clusters.

Bottom Line: INCITE is an important mechanism for Europe's industrial transformation. Through the project Impact INCITE, Swedish stakeholders have taken meaningful steps to engage and contribute. Continued collaboration and proactive involvement will be key to maintaining momentum and ensuring long-term impact.

Main authors of this report: Eva Blixt (Jernkontoret), Jill Sundberg (Swerim), and Tova Jarnerud Örell (Swerim).

Appendices

Appendix 1 – Organizations interacted with

The project engaged extensively with organizations across industry, research, and policy to foster collaboration and accelerate innovation. These interactions were carried out through seminars, bilateral meetings, and multi-stakeholder workshops. The organizations included:

- Industry Associations – e.g., Technology Industries of Sweden, the Swedish Iron and Steel Producers' Association
- Research Institutes – e.g., RISE
- Government agencies and authorities – e.g., Naturvårdsverket, Swedish energy agency, Vinnova, Formas.
- European Networks and Platforms – e.g., INCITE, EUROFER, ESTEP

This engagement strengthened connections within the innovation ecosystem and ensured Swedish perspectives were represented in EU-level policy discussions. Additionally, the project mapped Swedish innovations for inclusion on the INCITE platform, increasing international visibility.

Appendix 2 – List of events and links featuring Impact INCITE

September 11 and 13, 2024: Site visits to First-Of-A-Kind (FOAK) industrial installations

(Before the project started, but with stakeholders that later formed the project).

Kanthal, Hallstahammar (11/09/2024)
The team visited a fully electrified hot rolling facility featuring an electric walking beam furnace. Kanthal presented advanced electric heating technologies for energy-intensive industries, including solutions for steel, aluminum, and glass production.

GreenIron, Stockholm (12/09/2024)
A meeting was held at GreenIron's headquarters, where the company showcased its hydrogen-based technology for producing fossil-free metals from ore and industrial residues. Their first commercial plant is under construction in Sandviken, with global expansion plans underway.

HYBRIT Pilot Plant, Luleå (13/09/2024)
The visit focused on HYBRIT's pilot facility for direct reduction of iron ore using hydrogen, which significantly cuts CO_2 emissions. A full-scale plant is planned in Gällivare by 2027, aiming to revolutionize fossil-free steel production.

Stegra (formerly H2 Green Steel), Boden (13/09/2024)
The team visited the construction site of Stegra's integrated green steel plant. It will use hydrogen-based reduction and electric arc furnaces, with production set to begin in 2026 and capacity projected to double by 2028.

March 12–13, 2025: The Programme Conference – Metallic Materials, Stockholm

On the first day of the conference, the Impact INCITE project was presented, and the team was available to discuss the project and answer questions.

May 13–15, 2025: 1st Workshop on Innovative Techniques in the Iron and Steel Sector, Seville

Strong Swedish participation in the INCITE workshop on innovation in steel production!

The European Commission's newly established innovation center, INCITE, organized a workshop on innovative techniques in iron and steel production, which attracted strong participation with approximately 250 attendees. Swedish representatives from the iron and steel industry, research institutes, and technology providers played a particularly active role, contributing both as speakers and through active engagement in discussions and Q&A sessions.

Participants also included environmental organizations, Member State representatives, financial actors, and officials from various European Commission Directorates-General. Swedish organizations accounted for **more than one quarter of all technical presentations**, highlighting Sweden's strong engagement and leadership in innovative steelmaking technologies.

June 3, 2025: The Swedish Environmental Protection Agency (Naturvårdsverket) hosted a webinar on the EU's innovation center INCITE.

During the webinar, the European Commission's Joint Research Centre (JRC), Naturvårdsverket, and other stakeholders presented the purpose of the center, its relevance,

and how stakeholders can engage in INCITE. Target audience: Stakeholders working with or interested in innovation, including permitting and supervisory authorities, research institutes, other relevant institutions, trade associations, industrial operators, technology providers, and non-governmental environmental organizations. Eva Blixt from Jernkontoret represented the Impact INCITE project and delivered a presentation.

October 16, 2025 – "One Year with INCITE – Keep Up the Pace"

The flagship event was held at Jernkontoret in Stockholm, bringing together representatives from INCITE, the Impact INCITE project, and Swedish authorities, industry companies, trade associations, research institutes, and universities.

The event began with a lunch, followed by the seminar programme, and concluded with a networking session. More than 70 participants attended in person in Stockholm, while an additional 120 participants from ten countries attended online.

Swedish Metals & Minerals - YouTube

November 24, 2025, Net Zero Industry program conference

All projects funded under the call "Regulations and policy instruments for a sustainable industry" presented their results. The Impact INCITE team was also on site, presenting the project.

Here are a few examples of posts highlighting Impact INCITE

Kanthal strengthens Sweden's effort to put electrification on EU's INCITE agen(da — Kanthal®

https://www.naturvardsverket.se/vagledning-och-stod/industriutslapp-ied/incite/

Strong engagement as INCITE celebrates its first year - Swedish Metals & Minerals
Newsletter #11 Swedish Metals & Minerals | LinkedIn

Newsletter #12 Swedish Metals & Minerals | LinkedIn

Newsletter #14 Swedish Metals & Minerals | LinkedIn

Swerim flagship event | LinkedIn

Markus Odevall flagship event | LinkedIn

Nicolai Schaaf flagship event | LinkedIn

Dilip Chandrasekaran flagship event | LinkedIn

GreenIron flagship event | LinkedIn

Eva Blixt flagship event | LinkedIn

Eva Blixt flagship event | LinkedIn

Jernkontoret flagship event | LinkedIn

Daniel Mirdamadian flagship event | LinkedIn

Jill Sundberg webinar | LinkedIn

Eva Blixt webinar | LinkedIn

Tova Jarnerud Örell flagship event | LinkedIn

Eva Blixt In Preparation for One Year with INCITE

Swerim webinar | LinkedIn
Eva Blixt Kanthal chronical | LinkedIn

Vanessa Ferreira da Almeida flagship event | LinkedIn

Eva Blixt Metalliska material | LinkedIn

Eva Blixt SE EPA webinar | LinkedIn

SE EPA webinar | LinkedIn

Lisa Johansson SE EPA webinar | LinkedIn

Naturvårdsverket Redovisning av regeringsuppdrag om INCITE

Swerim SWG kick-off | LinkedIn

Appendix 3 – Recital 40 IED 2.0 revision

Without prescribing the use of any technique or specific technology, it is therefore appropriate to facilitate the testing and deployment of emerging techniques with improved environmental performance, to facilitate cooperation with researchers and industries in publicly funded research projects subject to the conditions provided for in the relevant European and national funding instruments, as well as to set up a dedicated center to support innovation by collecting and analyzing information on emerging techniques, relevant to activities within the scope of that Directive, including the rearing of poultry and pigs, and to characterize their level of development from research to deployment using the technology readiness level ('TRL') scale and assess the level of the environmental performance of those techniques, while taking into account any potential limitation with regard to the availability of data and its robustness. This will also inform the exchange of information on drawing up, reviewing and updating BAT reference documents. Emerging techniques to be analyzed by the center should be at least at the level of TRL 6-7, namely technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies) or system prototype demonstration in operation environment.

Appendix 4 – All BREFs EU BRITE

All BREFs

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

Ongoing BREF revision or new BREF, EU-BRITE
INCITE focus area 2025
Suggestions to INCITE (in working programme Art 13)

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	

https://bureau-industrial-transformation.jrc.ec.europa.eu/reference

(BREF.pdf)

Appendix 5 – More information

Official portal managed by the European Commission's Joint Research Centre (JRC) URL: innovation-centre-for-industrial-transformation.ec.europa.eu

The Swedish Environmental Protection Agency's information page about INCITE (In Swedish) URL: Incite – center för innovativa tekniker inom industriutsläpp

EU's updated directive on industrial and livestock emissions, focusing on stricter environmental requirements and sustainability goals URL: Industrial and Livestock Rearing Emissions Directive (IED 2.0) - Environment

Commission decision establishing detailed rules for data collection and quality assurance in drawing up BAT Reference Documents (BREFs) under the Industrial Emissions Directive URL: Implementing decision - 2012/119 - EN - EUR-Lex

Commission Implementing Decision (EU) 2019/1741 – E-PRTR Reporting Rules. Specifies reporting obligations on pollutant releases and production volumes under the European Pollutant Release and Transfer Register, forming part of the new Industrial Emissions Portal Regulation URL: Industrial Emissions Portal Regulation (IEPR) - Environment

Impact INCITE project website: Impact INCITE | Swerim

Den svenska järn- och stålindustrins branschorganisation

Jernkontoret grundades 1747 och ägs sedan dess av de svenska järn- och stålföretagen. Jernkontoret företräder järn- och stålindustrin i frågor som berör handelspolitik, forskning och utbildning, standardisering, energi, miljö, hållbarhet samt transportfrågor. Jernkontoret leder den gemensamma nordiska stålforskningen. Dessutom utarbetar Jernkontoret branschstatistik och bedriver bergshistorisk forskning.

Jernkontoret