IAM4Sweden

EU calls connected to avanced materials

Autumn 2026

This is IAM4Sweden

- A platform for advanced materials in Sweden.
- In March, The Strategic Compass for Advanced Materials was launched.
- The platform is being reshaped, news will come later this year.



IAM4EU calls

2027

IAM4Sweden

Circular innovative advanced materials: facilitating the transition from design to markets (RIA)

- HORIZON-CL4-2027-01-MAT-PROD-06
- Innovative Advanced Materials for the EU and Made in Europe
- Single-stage
  - Open: 13 October
  - Deadline: 2 February 2027, 17:00
- RIA - Research and Innovation Action. Start at TRL 4-5 and achieve TRL 6 by the end of the project
- Contributions: 5 000 000 € to 6 500 000 €
- Link to call on EU Funding & Tender Portal

Expected Outcome:

- Innovative advanced materials designed for circularity are adopted in products faster, through accelerated production and technology uptake;
- Business models become available to enhance the use of circular advanced materials in strategic value chains; and
- Resource efficiency (materials and energy) is increased significantly through a focus on circular advanced materials.
- Quality standards, harmonisation and regulatory requirements are addressed facilitating simplified market transition.

Scope:

- enabling circularity and resilient supply networks
- recyclable polymers and composites, magnets and metal (alloys) for additive manufacturing
- new innovative advanced materials … with superior or novel functionalities designed for circularity
- the full innovation cycle
- SSbD framework
- digital tools and FAIR data
- include a business case and exploitation strategy,

Innovative advanced materials and new production processes – reducing dependencies on Critical and Strategic Raw Materials

- HORIZON-CL4-2027-01-MAT-PROD-22
- Innovative Advanced Materials for the EU and Processes4Planet
- Single-stage
  - Opened: 13 October
  - Deadline: 2 February 2027, 17:00
- IA – Innovation Action. Start at TRL 5 and achieve TRL 7 during the project
- Contributions: 6 000 000 € to 7 500 000 €
- Link to call on EU Funding & Tender Portal

Expected Outcome:

- Reducing dependencies of critical and strategic raw materials through partial or total substitution by safe and sustainable innovative advanced materials and/or via more efficient use of critical and strategic raw materials in production processes;
- Speeding up the innovation cycle within value chain(s) important for European industry;
- Enhancing competitiveness of the industries and operational costs, while making supply chains more secure;
- New or improved production processes, innovative advanced materials and products that are safer and more sustainable, supporting a clean and autonomous economy; and
- Demonstrating how the safe and sustainable by design (SSbD) chemicals and materials framework can guide innovation.

Scope:

- The focus of this topic is on alternatives for the substitution or more efficient use of critical and strategic raw materials. The design and development of innovative advanced materials (IAMs) and processes should lead to an innovation cycle covering the (re)design of materials and production processes, and the integration of IAMs into products.
- Proposals should develop IAMs or process technologies to replace or reduce the use of critical and strategic raw materials in strategic areas and sectors such as energy, mobility, construction, electronics, medical devices or chemical industries.

Efficient energy input from renewable sources and energy management in the process industries

- HORIZON-CL4-2027-02-MAT-PROD-32-two-stage
- Processes4Planet and Innovative Advanced Materials for the EU
- Two-stage
  - Open: 13 October
  - Deadline stage one: 2 February 2027, 17:00
  - Deadline stage two: 2 September 2027, 17:00
- IA – Innovation Action. Start at TRL 4-5 and achieve TRL 6-7 by the end of the project
- Contributions: 7 000 000 € to 9 000 000 €
- Link to call on EU Funding & Tender Portal

Expected Outcome:

- A significant decarbonisation of processes (measured by the reduction of GHG emissions from the overall system) with broad applicability and economic viability.
- Facilitation of the transition from fossil-based energy inputs for:
  - low/medium thermal energy demands by introducing renewable-based alternatives and heat upgrading.
  - High-temperature processes, by innovative technologies for electrified and hybrid high-temperature processes, high temperature energy storage.
- Clean energy usage is given a boost through innovative advanced materials, system concepts and technologies for energy integration and energy storage, supporting resilience against energy supply variations
- Combination of significant energy savings and integrated management of energy systems and production processes

Scope:

- significant steps in reducing the CO2 footprint by technological innovations, at least by 20%.
- energy efficiency and include novel storage technologies
- tailored to the needs of the process industry
- may include … innovative advanced materials for (latent or sensible) energy storage, e.g. phase change materials and heat storage via chemical energy carriers beyond E-fuels.
- include demonstrations at pilot scale
- Proposals related to innovative advanced materials development should address the most relevant gaps to focus on in the frame from materials design to technology deployment and ensure adequate feedback loops between different steps to drive forward innovative solutions which can be easily deployed. Scalability and requirements from application/industry need to be considered early on in the innovation process.
- inclusion of a GHG avoidance methodology is recommended
- a business case and exploitation strategy

Novel approaches towards next-generation battery concepts, leveraging the enabling role of innovative advanced materials

- HORIZON-CL5-2027-04-Two-Stage-D2-07
- BATT4EU and Innovative Advanced Materials for the EU
- Two-stage
  - Open: 15 December
  - Deadline stage one: 14 april 2027, 17:00
  - Deadline stage two: 7 October 2027, 17:00
- RIA – Research and Innovation Action. Start at any TRL and achieve TRL 4-5 by the end of the project
- Contributions: Around 4 800 000 €
- Link to call on EU Funding & Tender Portal

Expected Outcome:

- Proposals are expected to contribute to the generation of innovative battery concepts to safeguard future European competitiveness through innovative battery advanced materials and technologies contributing to green energy usage through enhanced energy storage and management capabilities.

Scope:

- Area A: Low-cost batteries designed primarily for passenger electric vehicles and/or stationary storage
- Area B: High-performance battery chemistries intended for applications requiring superior energy density, power density, and safety standards, such as aviation and maritime sectors
- Area C: Novel battery advanced materials and cell-level concepts, for stationary energy storage for grid storage and/or energy-intensive industrial applications

Other EU calls related to advanced materials

Automated Scientific Discovery - Materials Science (RAISE pilot)

- HORIZON-RAISE-2027-01-01
- AI in Science
- One-stage
  - Open: 13 October
  - Deadline: 2 February 2027, 17:00
- RIA – Research and Innovation Actions.
- Contributions: around 9 000 000 €
- Link to call on EU Funding & Tender Portal

Expected Outcome:

- Development of closed-loop scientific experimentation systems that integrate automation with AI-driven, trustworthy decision-making processes in existing laboratory environments;
- Accelerated scientific discovery with increased efficiency and reproducibility;
- Improved scientific productivity;
- Advancement of laboratory automation, including development of best practices, challenges, and opportunities for accelerating R&D; and
- Prototype functional demonstrators that showcase the integration of automation with AI-driven decision-making, enabling the development of closed-loop scientific experimentation systems.

Textile circularity through advanced processing and manufacturing technologies and system approaches

- HORIZON-CL4-2027-01-MAT-PROD-08
- Textiles for the Future partnership
- One-stage
  - Open: 13 October
  - Deadline: 2 February 2027, 17:00
- IA – Research and Innovation Actions.
- Contributions: 4 000 000 € to 6 000 000 €
- Link to call on EU Funding & Tender Portal

Expected Outcome:

- Increased economically viable and functionally equivalent renewable material and sustainable chemical solutions used in large scale textile applications, including apparel, home and technical textiles;
- A realistic pathway for an absolute reduction of the use of virgin fossil-based materials and chemicals used to produce textile products for the EU market by 2035, contributing to enhance the preservation of human health, biodiversity and ecosystems, whether aquatic or terrestrial ecosystem preservation and emission reduction;
- Uptake of business models and system approaches that allow for the scale up of sustainable textile material and chemical alternatives as competitive alternatives to conventional approaches.

Other opportunities

Women TechEU 2 EIC

- Designed to support women-led early-stage deep tech startups from Europe. €75,000 plus a personalised business development programme.
- Two-stage application process
  1. **Eligibility Strand**
     - **Cut-off dates:** Weekly cut-offs every Tuesday at 17:00
       First cut-off: 30 June 2026 at 17:00
       Final cut-off: 15 June 2027 at 17:00
  2. **Full Proposal Strand**
     - Submission deadline 6: 14 January 2027 at 17:00
     - Submission deadline 7: 1 April 2027 at 17:00
     - Submission deadline 8: 8 July 2027 at 17:00

Online info Day - EIC funding opportunities in 2027

- **19 November 09:30 - 15:40 (CET)**
  - EIC Pathfinder: for advanced research on breakthrough or game-changing technologies;
  - EIC Transition: for transforming research results into innovation opportunities;
  - EIC Accelerator: for individual companies to develop and scale up breakthrough innovations with high risk and high impact.
  - EIC STEP Scale up: for scaling up strategic technologies for Europe.
- Info and registration

Online Info Day: EIC Accelerator Challenges 2027

- Friday 20 November 2026, 09:00 - 12:30
  - Presenting the Challenges for 2027

- The EIC Accelerator Challenges calls are open to proposals in predefined topics that have been identified in areas where breakthrough technologies or game-changing innovations developed by start-ups or SMEs can have a major impact on EU objectives.
- Info and registration

Upcoming info session: EIC Advanced Innovation Challenges on 3 February 2027.

- Aim to support high-risk, demand-driven deep tech innovation with transformative potential especially in areas where there is extensive research but lack of commercial uptake.

EUROSTARS

Eurostars Call 12 for projects – deadline March 2027

Co-funded by the European Union

EUROPEAN PARTNERSHIP

Eurostars is part of the European Partnership on Innovative SMEs. **The partnership is co-funded by the European Union through Horizon Europe**.

Start Date: 17 December 2026, 12:00 AM CET

End Date: 4 March 2027, 2:00 PM CET

Resebidrag för konferens inom elektronik och halvledarteknik (EFECS 2026)

Arrangör: Chips JU, Aeneas, EPoSS, Inside

Helsingfors (Helsinki), Finland.

fre 13 nov. 2026

Lägg till i kalender

Google Kalender | Outlook/Office 365 | Apple Kalender | Andra kalendrar (ICS)

Vill du delta på konferensen EFECS 2026 den 2 till 3 december för att träffa europeiska beslutsfattare och innovatörer inom elektronik, halvledarteknik och angränsande områden? Ta möjligheten att söka Vinnovas resebidrag! Sista ansökningsdag är 13 november.

EUSME Support



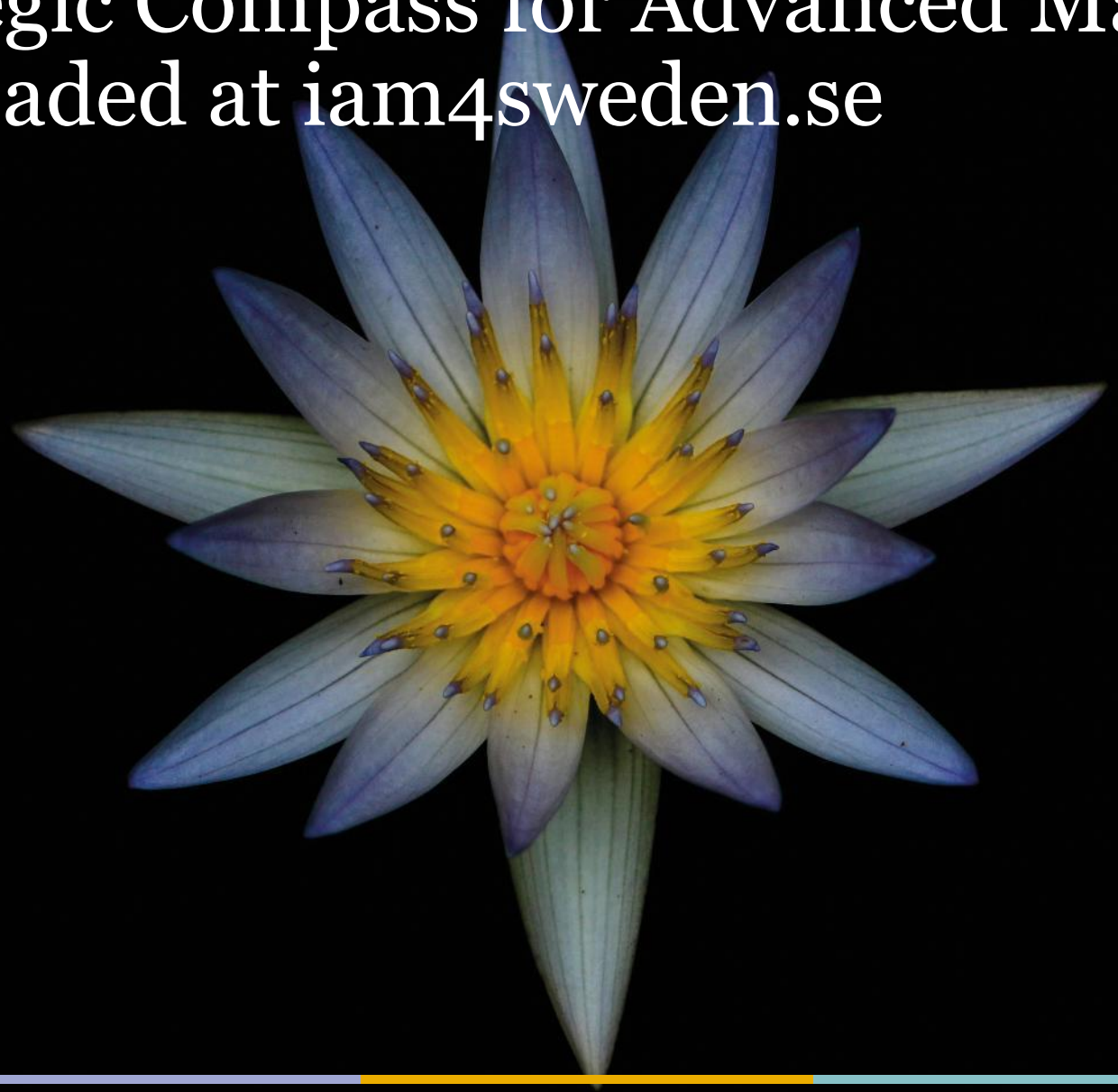
- Vårt syfte är att stödja och öka deltagandet av innovativa små & medelstora företag (SMEs) i EU:s och NATOs forsknings- och innovationsprogram inom Europeiska innovationsrådet (**EIC**), **Eurostars**, **Innovationsfonden** samt **NATO DIANA**.
- Finansierat av **Vinnova**, **Tillväxtverket** och **Energimyndigheten**, vi agerar som ett komplement till NCPs (National Contact Points).
- Vi erbjuder **kostnadsfri** expertrådgivning och support om EU-finansiering till innovativa SMEs. Vi bl.a. diskuterar era idéer och identifierar relevanta EU-program & utlysningar, ger stöd och feedback på ansökan, förbereder er inför face-to-face intervjun med EIC Juryn samt guidar er vid registrering i ansökningsportalerna. Efter projekt godkännande kan vi hjälpa till med projektinitiering, implementering, rapportering och förberedelse inför en revision.
- Vi finns över hela Sverige och har erfarenhet & kompetens inom både affärscoaching och EU ansökningar & projekt. Många av oss som arbetar inom EUSME Support har även koppling till **Enterprise Europe Network** (EEN) där SMEs kan få information, rådgivning och viss affärscoachning samt hitta samarbetspartners till projekt/ansökan.
- Kontakta oss via vår webbsida: **https://eusme.se/**, följ oss på **LinkedIn**.

IDEON SCIENCE PARK | LTU BUSINESS AB | ivl SVENSKA MILJÖINSTITUTET | RI.SE | CHALMERS INDUSTRITEKNIK | UMINOVA INNOVATION

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The Strategic Compass for Advanced Materials can be downloaded at iam4sweden.se

iam4sweden.se



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