Project Brochure

MAT 4EU

Advanced Materials

for a Sustainable European Future

Background

Advanced Materials (AM) are engineered for superior performance and sustainability, driving innovation across energy, electronics, construction, mobility, aerospace, and healthcare. Recognised in the Materials 2030 Manifesto and as one of the EU's ten critical technology areas, **AM are crucial for Europe's industrial competitiveness and the twin green and digital transitions.**

Despite high R&D investment, the EU holds only 15% of AM patents, trailing the US and Japan, and growth is stagnating, risking dependence on external innovation. The Draghi Report and the 2024 European Commission strategy call for boosting EU leadership by accelerating R&D, scaling up production, and speeding industrial adoption. ***Four strategic pillars: research & innovation, lab-to-fab transfer, financing, and production will build an inclusive EU AM ecosystem****, with IAM4EU and the Technology Council driving implementation.*

4 advanced materials

Metal

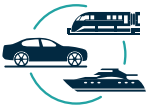
Ceramics

Polymers

Composites

6 sectors

The MAT4EU project aims to structure the European advanced materials ecosystem by bringing together six European clusters active across various industrial sectors.



Mobility

Aerospace & Defence

Construction

Agri-food

Renewable energy

Health

Approach

Two Open Calls for proposals with two cut-off dates will be launched, providing the laureates with direct financial support:

1st OPEN CALL

SMEs will apply for projects with an overall budget of

80k€

75% cascade funding up to **60k€**

2nd OPEN CALL

SMEs will apply for projects with an overall budget of

45k€

75% cascade funding up to **33,750€**

MAT4EU will support up to 46 European SMEs that benefit from cascade funding to participate in projects to enhance their competitiveness, sustainability, and/or digitalisation, and/or to innovate business processes:

16 in the development of new products and services based on Advanced Materials to reduce their reliance on critical inputs and/or non-EU technologies
30 focused on materials in their Digital and Sustainable Transition.

MAT4EU will facilitate SME **access to global supply chains and international markets.**

The project will provide training tailored to the needs of the European and regional advanced materials ecosystems to foster workforce upskilling and reskilling.

1 Building a Eurocluster partnerships to identify and address the challenges of the Advanced Materials ecosystem
Lead: POLYMERIS

EU & REGIONAL PRIORITIES & CHALLENGES

FSTP

2 Product innovations supporting European strategic autonomy
Lead: Plast Center Danmark

SUPPORTED SMEs

4 Go International
Lead: LINPRA Engineering and Technology Industries Association of Lithuania

MARKET ANALYSIS

TRAINING NEEDS REGIONAL & EU

FSTP

3 Mastering green and digital transformation
Lead: RKW Sachsen

SUPPORTED SMEs

Training for European Industry **5**
Lead: Advanced Materials Cluster of Catalonia

NETWORKING INCREASED REACH

NETWORKING INCREASED REACH

6 Networking, Communication and Dissemination
Lead: Bydgoszcz Industrial Cluster Tool Valley

7 Project management and performance
Lead: POLYMERIS

The project will identify key partnerships necessary to promote the development and adoption of advanced materials, thereby **improving the strategic autonomy and competitiveness of the European industry**.

Consortium

This partnership brings together six top European clusters to forge a unified Advanced Materials ecosystem. Leveraging regional strengths and established networks, the initiative drives collaboration and innovation across Europe.

MAT 4EU

France
POLYMERIS
Project coordinator

Spain
Advanced Materials Cluster of Catalonia

Poland
Bydgoszcz Industrial Cluster
Tool Valley

Lithuania
LINPRA – Engineering and Technology Industries Association of Lithuania

Denmark
Plast Center Danmark

Germany
RKW Sachsen

PROJECT INFO

Duration of the Project: 1.10.2025 – 30.09.2028

Project budget: 2 702 463,91 EUR
EU co-financing: 2 623 941,00 EUR

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EURO CLUSTERS

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