



VERSO LA STRATEGIA S3 2021-2027

Scenario internazionale e Programmi UE

PRIORITÀ

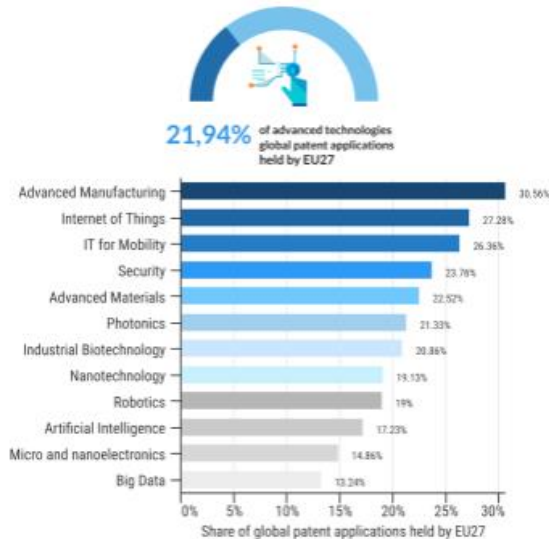
MATERIALI AVANZATI E NANOTECNOLOGIE

7 luglio 2021

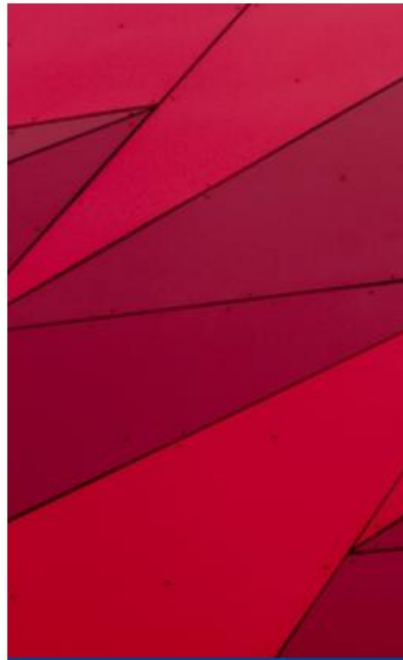
Le tecnologiche nelle politiche europee

- **KETs** – Key enabling technologies ([LINK](#)) – DG RTD
 - [advanced manufacturing](#)
 - [advanced materials](#)
 - life-science technologies
 - [micro/nano-electronics and photonics](#)
 - [artificial intelligence](#)
 - [security and connectivity](#)
- **ATI** – Advanced Technologies for Industry ([LINK](#)) – DG GROW

EU27 strengths in producing advanced technologies



Data dashboard



Technology Centre Mapping



Technology Watch



Policy Briefs



Sectoral Watch



Product Watch



International Reports



EU Reports

Principali programmi con focus tecnologico

European Innovation Council

HORIZON EUROPE

European Institute of Innovation and Technology (EIT)

Clusters

European Partnerships

Research infrastructures

LIFE+

EU4HEALTH

Interregional
Innovation
Investments (I3)

*High Performance Computing
(EuroHPC Joint Undertaking)*

DIGITAL EUROPE

EDIH (European Digital Innovation Hubs)

Cybersecurity

Transport

CONNECTING EUROPE FACILITY

Energy

Telecom



Horizon Europe	Destination	Applicazioni (non esaustivo)
Clusters 1 - Health	<ul style="list-style-type: none"> Unlocking the full potential of new tools, technologies and digital solutions for a healthy society Maintaining an innovative, sustainable and globally competitive health industry 	<ul style="list-style-type: none"> Nanomateriali Biomateriali Biomarkers
Cluster 2 - Culture, creativity and inclusive society	<ul style="list-style-type: none"> Innovative research on the European cultural heritage and the cultural and creative industries 	<ul style="list-style-type: none"> Materiali avanzati (es. protezione/recupero)
Cluster 3 - Civil Security for Society	<ul style="list-style-type: none"> Effective management of EU external borders 	<ul style="list-style-type: none"> Portable and quicker testing, analysis and detection (Materiali illeciti)
Clusters 4 - Digital, Industry and Space	<ul style="list-style-type: none"> Increased autonomy in key strategic value chains for resilient industry Digital and emerging technologies for competitiveness and fit for the green deal 	<ul style="list-style-type: none"> Materiali avanzati Materiali di sostituzione Graphene (2D) Nanomateriali Nanotecnologie



Horizon Europe	Destination/Focus	Applicazioni (non esaustivo)
Cluster 5 - Climate, Energy and Mobility	<ul style="list-style-type: none"> • Cross-sectoral solutions for the climate transition • Sustainable, secure and competitive energy supply • Efficient, sustainable and inclusive energy use • Clean and competitive solutions for all transport modes 	<ul style="list-style-type: none"> • Processi produttivi batterie • Superconduttori • Fotovoltaico • Riutilizzo e riciclo (Biomateriali) per edilizia • Materiali ad alta performance e sostenibili (trasporto)
Cluster 6 - Food, Bioeconomy, Natural Resources, Agriculture and Environment	<ul style="list-style-type: none"> • Fair, healthy and environment-friendly food systems from primary production to consumption • Circular economy and bioeconomy sectors • Clean environment and zero pollution 	<ul style="list-style-type: none"> • Nanomateriali • Biomateriali • Biosensori, bioattuatori, bioattivatori
Partnerships	<p>Chemicals Risk Assessment; Clean Steel - Low Carbon Steelmaking; Metrology; Made in Europe; Processes4Planet – Transforming the European Process Industry for a sustainable society; Industrial Battery Value Chain; Circular bio-based Europe; Driving urban transitions to a sustainable future (DUT); Safe and Sustainable Food Systems</p> <p>EIT Raw materials-KIC</p>	



Altri Programmi	Destination/Focus	Applicazioni (non esaustivo)
Digital Europe	<ul style="list-style-type: none"> Digital Innovation Hubs 	
S3 Partnership	<ul style="list-style-type: none"> Advanced materials on batteries Chemicals High Performance Production through 3D-Printing New Nano-Enabled Products Textile Innovation 	
EIC	<ul style="list-style-type: none"> EIC Pathfinder EIC Transition EIC Accelerator 	<ul style="list-style-type: none"> Possibili applicazioni su tutto lo spettro delle tecnologie per materiali avanzati e nanotech
LIFE	<ul style="list-style-type: none"> Circular Economy and Quality of Life Clean Energy Transition 	<ul style="list-style-type: none"> Possibili applicazioni legate a materiali avanzati, biosensori, ecc.



Grazie per l'attenzione!

Regione Toscana - Ufficio di Collegamento con l'UE

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