



MICS

Made in Italy
Circolare e Sostenibile



Future is our partner

Where entrepreneurs and researchers,
public and private sectors work together.

MICS – Made in Italy Circolare e Sostenibile is the biggest active project on Made in Italy in our country. It is an Extended Partnership between Universities, Research Centers and Enterprises financed by MUR – Ministero dell'Università e della Ricerca, thanks to funds made available by the European Union under the NextGenerationEU (PNRR) program.

MICS involves more than 100 companies and 42 research entities, pooling competences and resources in order to promote innovation and sustainability practices in three strategic sectors: **Fashion, Furniture and Automation.**

These areas of activity, that represent the excellence of Made in Italy, have a significant impact on the Italian economy: **48% of added value of production; 45% of employment rates; 44% of investments compared to national capex.**



PUBLIC FOUNDING PARTNERS



PRIVATE SECTOR FOUNDING PARTNERS



Our cross-competences approach

MICS promotes innovation based on the contamination between different disciplines, in order to face the great challenges of digital and green transitions. Research activities are divided into **eight thematic areas (Spokes)**: each of them represents a strategic focus on which universities and companies work together. Thanks to this structure, MICS fosters a cross-competence approach to academic research, so that it meets the industrial sector's needs and generates applicable and scalable solutions.





Digital Advanced Design: technologies, processes and tools

Mapping and developing digitally enhanced solutions for the optimization of design processes, decision making and circularity throughout the entire life cycle of products and machines.



Eco-Design strategies: from materials to Product Service Systems – PSS

Developing eco-design strategies for Product-Service Systems, considering their cradle-to-cradle lifecycle as well as impacts and communication for social innovation.



Green and sustainable products & materials from non-critical & secondary raw sources

Creating sustainable products and materials using alternative raw sources: waste, industrial residues, and non-critical minerals.



Smart and sustainable materials for circular and augmented industrial products and processes

Developing climate friendly products and processes in order to support “dematerialization” and biological transformation of Italian craftsmanship.



Closed-loop, sustainable, inclusive factories and processes

Redefining the current concept of what a factory is and how it works, making it more sustainable: zero waste, pollution-free, safe, self-sufficient, inclusive.



Additive Manufacturing as disruptive enabler of the Twin Transition

Researching processes that can revolutionize Additive Manufacturing as an enabling technology for the Twin Transitions.



New and consumer-driven business models for resilient and circular supply chains

Experimenting with new archetypes, methods and solutions of restorative and regenerative BMs in order to define a new competitive paradigm for Made in Italy.



Digitally-oriented factory design and management through AI and data driven approaches

Designing a sustainable and resilient factory model with high-performance human-machine collaboration, inclusivity and sustainability based on AI, digital technologies and collaborative robotics.

Three key sectors: Fashion, Furniture and Automation

MICS focuses its work on three key sectors for Italy's economic growth. **Fashion, Furniture and Automation** represent the core of Italian manufacturing and they are at the center of the transition towards innovative and more sustainable business models. The integration among new technologies, advanced materials and circular economy strategies strenghtens the competitiveness of Made in Italy as a brand on a global scale.



25
funding
partners

13
private sector

12
public

1000+
researchers

130+
million euros
in investments

cascade funding calls

21,5
million euros
assigned





Fondazione MICS

Made in Italy Circolare e Sostenibile

Headquarters Piazza Leonardo da Vinci, 32, 20133 Milano

Operative offices Via Copernico, 38, 20125 Milano | Edificio C – Piano 1

Southern offices Corso Nicolangelo Protopisani, 70, 80146 Napoli
Laboratorio Ricreami CESMA – Università degli Studi di Napoli Federico II

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