



PE/11 Made in Italy, circolare e sostenibile

Spoke nei quali è coinvolta UNINA

Spoke 2: Eco-Design Strategies: products, services, and systems – Product-Service System (PSS)

Spoke 2 ambition: Develop and experiment with a portfolio of **PSS eco-design strategies** that support all design phases: design of PSS architecture, materials, and components; cradle-to-cradle PSS lifecycle design and impacts evaluation; service and communication design for social innovation and behavioral change.

Spoke 4: Smart and sustainable materials for circular and augmented industrial products and processes

Spoke 4 ambition: New conceptualizations of climate friendly products and processes and experimentation in fostering a **natural oriented disruptive technology** for a Green Made in Italy approach. The spoke will conceive material **building blocks** supporting “dematerialization” and biological transformation of Italian 3A craftsmanship, start-ups, SMEs and LEs: **win-win** is the challenge of the future!

Spoke di cui è capofila UNINA

Spoke 5: Closed-loop, sustainable, inclusive factories and processes

Spoke 5 ambition: A new concept for a factory that does not exist yet: a **zero-waste, pollution-free, energy-neutral, closed-loop, natural-oriented, human-centered, socially-oriented, inclusive, fully safe, self-sufficient, self-regenerative factory**. A new factory concept that will lead Made in Italy towards the Urban Factory and even to the Factory in Space!

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