

# RESEARCH THEME

**Title of the doctoral research** Design for sustainable textile and fashion system

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**Abstract**

The research program is aimed at exploring, defining and promoting the role of Design for the sustainable fashion system. The fashion industry has a huge impact in terms of pollution. Sweeny argues that the clothing industry is the second largest polluter in the world... second only to oil. Fashion is a complex business involving long varied supplied chains of production, raw material, textile manufacture, clothing construction, shipping, retail, use and ultimately disposal of the garment.

The Italian fashion company are constantly under the spotlight: many of these Italian companies collaborate with the national supply chain, who find in our country top quality skills in producing textile, yarns, fabrics, clothing and other accessories.

The first objective of the research is defining a Sustainability Design-Orienting Scenario (SDOS) to open new visions on Sustainable Fashion/clothing, in relation to the promising model of Sustainable Product-Service System (S.PSS) and Distributed Economies. The second objective of the research is defining the advanced knowledge base and know-how to design sustainable clothing artefacts. Last but not least a third objective of the research is defining the issue of sustainability in the fiber and textile process as an unavoidable passage for contemporary design, with a particular reference to the textile industry.

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**Keywords**

S.PSS design; Product Life cycle Design; fashion system, fiber, textile process, sustainability.