



PhD in INGEGNERIA GESTIONALE / MANAGEMENT ENGINEERING - 40th cycle

**PNRR 629 PA Research Field: POLICIES AND PRACTICES FOR FUTURE SUPPLY CHAINS:
DECARBONISING LUXURY AND FASHION SUPPLY CHAINS THROUGH JUST TRANSITION**

| Monthly net income of PhDscholarship (max 36 months) |
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| € 1500.0 |
| In case of a change of the welfare rates during the three-year period, the amount could be modified. |

| Context of the research activity | |
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| <p>Motivation and objectives of the research in this field</p> | <p>Italy is a significant hub for luxury, textile, and clothing manufacturing, with the sector associated with the world leading 'Made in Italy' label being a major contributor to the Italian economy. Yet, despite decades of voluntary actions and sustainability-oriented policies, most practices in the pursuit of supply chain sustainability have been incremental, leading to ecological collapse and intergenerational societal injustices across fashion supply chains. Due diligence laws and regulations are now pushing industries to ensure that not only climate action takes place across multiple tiers, but that this happens with justice, inclusivity, and fairness.</p> <p>In the pursuit of lowering carbon emissions, luxury and fashion companies work with industrial associations, but existing research justifies that these are top-down governance tools, which lead to severe problems for supply chain data and paradoxical demands for suppliers. These demands are then cascaded onto workers within fashion supply chains.</p> <p>Today's current paradigm is driven by a continuous economic growth logic; supply chains are consequently managed by operational efficiency and productivity measures. This thinking, however, contextualizes sustainability as a risk mitigation tool and illustrates complex supply chain issues as optimization problems. Yet, these are systemic issues that require a new way of</p> |



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| | <p>thinking wherein supply chains are designed and managed with a different logic based on the purpose of supply chain wellbeing rather than continuous economic growth.</p> <p>Crafting new supply chain management practices is vital for undertaking radical and climate action in just ways. Therefore, a solid conceptualization and empirical analysis of behaviours and strategies is needed to understand how to create novel and alternative theories, practices, and narratives that are fundamental for radical change and societal, theoretical, policy and practical impact. Hence, this research aims to explore, explain, and illustrate future-facing, post-growth supply chains in the context of luxury and fashion to guide policy and practice.</p> |
| <p>Methods and techniques that will be developed and used to carry out the research</p> | <p>The research will have several work packages. The first work package will involve desk research to explore several concepts and theoretical constructs, which will then be used to develop a conceptual framework. This will be followed by an empirical study pursued through action research with a theoretical sample representing multiple multi-tier supply chains in Italy, as well as another vertical country for theoretical generalization purposes.</p> |
| <p>Educational objectives</p> | <p>The Ph.D. candidate, at the end of the program, will possess adequate research skills in the field of sustainable supply chain management, post-growth and just transition, and specific knowledge in the luxury and fashion industry. In particular, the Ph.D. candidate will:</p> <ul style="list-style-type: none"> •Be able to develop cognitive, management, and leadership skills; •Be able to conduct qualitative research involving structured literature reviews and in-depth engaged research interventions; •Be able to craft research findings that will generate various practical, theoretical, and policy implications; •Be able to present and publish their results in world-leading academic as well as industrial events. |



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| Job opportunities | Academia, international institutions, construction companies, multinational organizations, consulting firms. |
| Composition of the research group | 2 Full Professors 2 Associated Professors 1 Assistant Professors 1 PhD Students |
| Name of the research directors | Andrea Sianesi, Margherita Pero, Nizar Abdelkafi |

| Contacts | |
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| andrea.sianesi@polimi.it; margherita.pero@polimi.it | |

| Additional support - Financial aid per PhD student per year (gross amount) | |
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| Housing - Foreign Students | -- |
| Housing - Out-of-town residents (more than 80Km out of Milano) | -- |

| Scholarship Increase for a period abroad | |
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| Amount monthly | 750.0 € |
| By number of months | 6 |

| National Operational Program for Research and Innovation | |
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| Company where the candidate will attend the stage (name and brief description) | |
| By number of months at the company | 0 |
| Institution or company where the candidate will spend the period abroad (name and brief description) | |
| By number of months abroad | 6 |

| Additional information: educational activity, teaching assistantship, computer availability, desk availability, any other information |
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| <p>Educational activities, Teaching assistantship, Computer availability, Desk availability.</p> <p>Candidates with a background in Management Engineering, Supply Chain Studies, Business Administration, Environment engineering, Design.</p> <p>The candidate might be involved as research associate in additional research projects and as teaching assistant in courses in the area of Operations and Supply Chain Management.</p> <p>A desk will be provided in the Department of Management, Economics and Industrial Engineering.</p> |



- Involvement in projects: "For the overall development of their capabilities, PhD candidates will work on synergical projects to favour empirical data collection and network development for their career. Projects will give candidates the opportunity to work in group (peers and other senior professors)".
- Teaching and tutoring: "If coherent with the development of their doctoral program, the PhD candidate will have the opportunity to be involved in: teaching activities, tutoring to master students, tutoring to PhD candidates for administrative processes".

Funding for educational activities: 6.100,00 Euros for three years.