Finanziato dall'Unione europea NextGenerationEU
Ministero dell'Università e della Ricerca
Italiadomani PIANO NAZIONALE DI RIPRESA E RESILIENZA
Università degli Studi di Ferrara

2025 Workshop

Green and Digital Transformations. Skills, Jobs and Policy

6-7 November, 2025

University of Ferrara
Department of Economics and Management
via Voltapaletto, 11 - Ferrara

Co-organised by:

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European Commission

Programme

6 November	
08:30 – 09:00	**Registration**
09:00 – 09:30	**Opening** Massimiliano Mazzanti *(University of Ferrara, Director of the Department of Economics and Management)* – Welcome Federico Biagi *(European Commission, JRC–Ispra, Italy)* – That Was Then, This Is Now: Lessons Learnt and Open Questions
09:30 – 10:30	**Keynote Speaker** Chair: Bernardo Caldarola (European Commission JRC Seville) Christina Gathmann *(Luxembourg Institute of Socio–Economic Research)* – AI and the Labour Market: Evidence from Europe
10:30 – 11:00	**Coffee Break**
11:00 – 12:00	**Green Skills and Education** Chair: Claudia Ghisetti (University of Milan-Bicocca) *Standard paper presentations* Silke Anger *(IAB, Institute for Employment Research)* – Green Tasks and the Green Skills Gap Fabio Landini *(University of Parma)* – University Education and Students' Willingness to Pay for Green Job Attributes
12:00 – 13:00	**Green Skills and Labour Market Transitions** Chair: Alberto Marzucchi (Gran Sasso Science Institute) *Power talks presentations* Alessia de Santo *(University of Milan–Bicocca)* – The impact of European climate actions on labour market skills Yeong Jae Kim *(KDI School of Public Policy and Management)* – Leaving Someone Behind: Coal Phase–Out in South Korea Clara Krämer *(Technical University of Munich)* – Simulating Reskilling Journeys in Europe's Green Transition Claudio Loporcaro *(Polytechnic University of Bari)* – The Returns to Green Education: Evidence from Italian Universities François Perruchas *(University of Valencia)* – Green technologies and skills in Europe
13:00 – 14:00	**Lunch**

14:00 – 15:30	**Automation, Digitalisation, and the Future of Workforce Skills** Chair: Fabio Landini (University of Parma) *Standard paper presentations* Femke Cnossen *(University of Groningen)* – Automation and Training: Technical Upskilling or People Skills Development? Frank Neffke *(Complexity Science Hub)* – The building blocks of software work explain coding careers and language popularity Deyu Li *(Utrecht University)* – Digitalization, within–occupation skill change and the geography of jobs in Europe
15:30 – 16:00	**Coffee Break**
16:00 – 17:00	**The Labour and Skills Implications of AI and Automation I** Chair: Tommaso Ciarli (UNU–Merit) *Power talks presentations* Ole Teutloff *(University of Oxford)* – Do AI Skills Improve Employability? Evidence from an Experimental Survey Among Recruiters Anel Kaliyeva (Université Côte d'Azur) – Bridging the AI Adoption Gap: Estimating Thresholds of ICT Skill Demand in French Firms Camila Mishell Pineda Leon (University of Luxembourg) – The Potential Impact of Artificial Intelligence on the Gender Gap Francesca Zannelli *(Catholic University of the Sacred Heart, Milan)* – From Code to Carbon: Employment Effects of the Twin Transition in Spanish Manufacturing Viliana Milanova (University of Groningen) – AI or Human? Labels Matter for Trust, But Not Meaning or Effort
17:00 – 18:00	**The Labour and Skills Implications of AI and Automation II** Chair: Maria Savona (LUISS University, Rome; University of Sussex) *Standard paper presentations* Johannes Dahlke *(University of Twente) – Artificial Intelligence and the Nature of Work at the Firm Level* Eduard Storm *(Institute for Advanced Studies Vienna)* – AI in Demand: How Expertise Shapes its (Early) Impact on Workers
20:30	**Dinner at Il Sorpasso, Via Saraceno 118, Ferrara**

7 November	
09:00 – 10:00	**Policy round table – Building a future–ready labour market: Data, policy, and scenarios in the twin transition** Chair: Francesco Rentocchini (European Commission JRC-Seville) Panelists: Montserrat Lopez-Cobo (European Commission JRC-Seville) Simone Rosini (European Commission DG-EMP) Romain Boitard (European Training Foundation) Roberto Zoboli (Catholic University of the Sacred Heart, Milan)
10:00 – 11:00	**The Twin Transition: Firms and Workers** Chair: Daniele Rotolo (Polytechnic University of Bari; University of Sussex) *Standard paper presentations* Maria Luisa Mancusi *(Catholic University of the Sacred Heart, Milan)* – Distant Twins: The Dual Role of Digitalization and Sustainability in European SMEs Growth Mauro Pelucchi *(Lightcast)* – Bridging Green and Digital Transitions: Mapping Career Pathways with AI–Driven Cohesion Metrics
11:00 – 11:30	**Coffee Break**
11:30 – 13:00	**The Geographical and Sectoral Dimensions of Labour and Skills Dynamics** Chair: Davide Consoli (INGENIO CSIC-UPV) *Power talks presentations* Giacomo Lo Conte *(University College Dublin)* – Exposure to Innovation and Labour Market Dynamics: Evidence from the German Manufacturing Sectors Alejandra Vanegas Cedeño *(Gran Sasso Science Institute)* – Job Postings, Skill Uniqueness, and Firm Productivity Marco Sforza *(Roma Tre University)* – The Digital Transition and the EU Cohesion Policy: Firm–level evidence Sidharth Rony *(UNU–Merit)* – Skills demand and regional productivity Mirjam Fitzthum *(RWI – Leibniz Institute for Economic Research)* – The Regional Dimension of the Green Transition Davide Lunardon *(Gran Sasso Science Institute)* – Automation and Freedom to Make Decisions in the US labour markets Juan Torrecillas Jódar (*European Commission, JRC Seville*) – Skills Bottlenecks: A multi–level measure of curriculum–labour–market alignment across EU–27 regions and occupations
13:00 – 14:00	**Lunch**

14:00 – 15:30	**The Green Transition of Labour and Skills: Implications for Firms** Chair*:* Nicolò Barbieri (University of Ferrara) *Standard paper presentations* Martina Iori *(Catholic University of the Sacred Heart, Milan)* – Jumping the ladder: the role of technological unconventionality and green innovation in shaping regional productivity Roberto Antonietti *(University of Padova)* – The occupational effect of global defragmentation Ugo Rizzo *(University of Ferrara)* – Green hiring and firm performance
15:30 – 16:00	**Coffee Break**
16:00–17:00	**The Labour and Skills Implications of AI and Automation III** Chair: Frank Neffke (Complexity Science Hub) *Standard paper presentations* *Tommaso Ciarli (UNU–Merit)* – Jobs in Global Value Chains and their Exposure to Automation *Juliette de Wit (University of Groningen)* – AI and entrepreneurship: Personality, Awareness, and Early Adoption
17:00–17:15	**Closing**

Standard Presentations last 20 minutes followed by 10 minutes of live Q&A.

Power Talks last 8 minutes, followed by a 2-minute Q&A, with questions collected through a digital platform and handled by the chair. A QR code / dedicated website address will be provided at the workshop.

Organising and scientific committee: Romina Cachia (European Commission, JRC–Seville), Bernardo Caldarola (European Commission, JRC–Seville), Mariavittoria Castellucci (University of Ferrara), Federica Ferretti (University of Ferrara), Marianna Gilli (University of Ferrara), Fabio Landini (University of Parma – RESKILL), Alberto Marzucchi (Gran Sasso Science Institute – RESKILL), Francesco Rentocchini (European Commission, JRC–Seville; DEMM, University of Milan), Ugo Rizzo (University of Ferrara – RESKILL), Daniele Rotolo (Polytechnic University of Bari; SPRU University of Sussex Business School, UK – RESKILL)

Workshop Location:
Aula Magna
Department of Economics and Management
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