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PIANO NAZIONALE
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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:

reskill



European
Commission

Programme

6 November	
08:30 – 09:00	Registration
09:00 – 09:30	Opening Massimiliano Mazzanti (<i>University of Ferrara, Director of the Department of Economics and Management</i>) – Welcome Federico Biagi (<i>European Commission, JRC–Ispra, Italy</i>) – That Was Then, This Is Now: Lessons Learnt and Open Questions
09:30 – 10:30	Keynote Speaker Chair: Bernardo Caldarola (<i>European Commission JRC Seville</i>) Christina Gathmann (<i>Luxembourg Institute of Socio–Economic Research</i>) – 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 (<i>University of Milan-Bicocca</i>) Standard paper presentations Silke Anger (<i>IAB, Institute for Employment Research</i>) – Green Tasks and the Green Skills Gap Fabio Landini (<i>University of Parma</i>) – The Value of Green Job Attributes: A Discrete Choice Experiment
12:00 – 13:00	Green Skills and Labour Market Transitions Chair: Nicolò Barbieri (<i>University of Ferrara</i>) Power talks presentations Alessia de Santo (<i>University of Milan–Bicocca</i>) – The impact of European climate actions on labour market skills Yeong Jae Kim (<i>KDI School of Public Policy and Management</i>) – Leaving Someone Behind: Coal Phase–Out in South Korea Clara Krämer (<i>Technical University of Munich</i>) – Simulating Reskilling Journeys in Europe's Green Transition Claudio Loporcaro (<i>Polytechnic University of Bari</i>) – The Returns to Green Education: Evidence from Italian Universities François Perruchas (<i>University of Valencia</i>) – 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) <i>Standard paper presentations</i> Femke Cnossen (<i>University of Groningen</i>) – Automation and Training: Technical Upskilling or People Skills Development? Frank Neffke (<i>Complexity Science Hub</i>) – The building blocks of software work explain coding careers and language popularity Deyu Li (<i>Utrecht University</i>) – 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) <i>Power talks presentations</i> Ole Teutloff (<i>University of Oxford</i>) – Do AI Skills Improve Employability? Evidence from an Experimental Survey Among Recruiters Anel Kaliyeva (<i>Université Côte d'Azur</i>) – Bridging the AI Adoption Gap: Estimating Thresholds of ICT Skill Demand in French Firms Camila Mishell Pineda Leon (<i>University of Luxembourg</i>) – The Potential Impact of Artificial Intelligence on the Gender Gap Francesca Zannelli (<i>Catholic University of the Sacred Heart, Milan</i>) – From Code to Carbon: Employment Effects of the Twin Transition in Spanish Manufacturing Viliana Milanova (<i>University of Groningen</i>) – 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) <i>Standard paper presentations</i> Johannes Dahlke (<i>University of Twente</i>) – Artificial Intelligence and the Nature of Work at the Firm Level Eduard Storm (<i>Institute for Advanced Studies Vienna</i>) – 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) <i>Standard paper presentations</i> 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: Alberto Marzucchi (Gran Sasso Science Institute) <i>Power talks presentations</i> 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



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14:00 – 15:30	The Green Transition of Labour and Skills: Implications for Firms Chair: Luigi Tredicine (University of Parma) <i>Standard paper presentations</i> Martina Iori (<i>Catholic University of the Sacred Heart, Milan</i>) – Jumping the ladder: the role of technological unconventionality and green innovation in shaping regional productivity Roberto Antonietti (<i>University of Padova</i>) – The occupational effect of global defragmentation Ugo Rizzo (<i>University of Ferrara</i>) – 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) <i>Standard paper presentations</i> Tommaso Ciarli (<i>UNU–Merit</i>) – Jobs in Global Value Chains and their Exposure to Automation Juliette de Wit (<i>University of Groningen</i>) – 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 Marzocchi (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)



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Workshop Location:
Aula Magna
Department of Economics and Management
Via Voltapaletto 11 - Ferrara

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