



Harnessing web data for next-generation skills intelligence

Cedefop and Eurostat research conference

Thursday, 28 May 2026, 09.00-17.00 EEST

Friday, 29 May 2026, 09.00-13.30 EEST

List of accepted abstracts

A Hybrid Semantic Normalization Framework for Mapping Multilingual Job Postings to European Taxonomies

Panagiotis Zervas, Associate Professor, Department of Electrical and Electronics Engineering, University of Peloponnese, Patras, Greece

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Flavia Pesce, Director, Training, Labour, Community and Local Development Area, Institute for Social Research, Bologna, Italy

A methodological focus on skills analysis : experimentations with lexicometry and Natural Language Processing

Eline Delmarcelle, Analyst, Bruxelles Formation

Elise Ugeux, Analyst, Bruxelles Formation

A Vacancy Data-Driven Institutional Ecosystem: Bridging the Education-Employment Gap through Real-Time Skills Intelligence

Carmen Pagés, Professor School of Business and Economics and Director of Skills Forecasting and Labour Market Analysis Unit, Universitat Oberta de Catalunya

Adrià Lòpez, Data Analyst, Universitat Oberta de Catalunya

Rafael Sosa, Data Analyst, Universitat Oberta de Catalunya





Advertised Technologies: Identifying Adoption of Emerging Technologies in Online Job Postings

Tommaso Ciarli, Senior Research Fellow, UNU-MERIT, United Nations University;
SPRU, University of Sussex

Anna Giabelli, Researcher, Istituto Mario Negri

Ekaterina Prytkova, PostDoc, Côte d'Azur University

Fabien Petit, Assistant Professor, University of Barcelona

Agent-Based Knowledge Graph-Augmented Skills Extraction from Online Job Advertisements

Mikołaj Tym, Researcher, Poznań University of Economics and Business

AI-Complementary Skills: Real-Time Evidence from Italian Job Postings

Greta Sofia Lampis, Researcher and PhD student, Fondazione Bruno Kessler -
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Beyond Composite Indices: Using Online Job Advertisements to Reveal Gender-Blind Spots in Skills Intelligence

Irina Dimitrova, National VET Team Expert/ VET and labour market researcher,
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Bridging Skills Demand and Vocational Qualifications: Linking Online Job Postings with National Skills and Qualification Frameworks

Mauro Pelucchi, Head of Global Data Science, Lightcast

Sophie Gvasalia, Lightcast

Anna Clara Gatti, Lightcast

Ettore Colombo, Lightcast

Luca Agostoni, Lightcast

Simone Perego, Lightcast





Building a Common Language for the Twin Transition: Reference Frameworks for Digital and Green Skills

Diana Ripkova Puhovichova, Project Manager, Digital Coalition

Mario Lelovsky, Chairman of the Digital Coalition of the Slovak Republic, Digital Coalition

Martin Martinkovic, Consultant, Digital Coalition

Climate Change Policy Shocks, Green vacancies, and Labour Market Dynamism

Emilio Colombo, Professor of Economics, Università Cattolica del sacro Cuore

Patrizio Tirelli, Professor of economics, University of Pavia

Angelica Bertucci, Post Doc Economics, University of Pavia

Digital Skills Demand in Greece: Labour Market Analysis Using kariera.gr Online Job Vacancies

Petros Stavropoulos, Research Associate, ATHENA Research and Innovation Center

Maria Pateli, Research Associate, ATHENA Research and Innovation Center

Haris Papageorgiou, Research Director, Vice Director of ILSP, ATHENA Research and Innovation Center

Disruption or Augmentation? The Changing Demand for AI Skills in the Age of Generative AI

Loris Vergolini, Associate professor, University of Bologna

Chiara Binelli, Associate professor, University of Bologna

Teresa Luca, Research student, University of Bologna

Gabriele Marconi, Data scientist, Agence pour le développement de l'emploi

From “green skills” to actionable skills intelligence: linking workplace deployment, leadership and VET curricula through a territorial taxonomy (Gipuzkoa case)

Itziar Garcia Blazquez, Researcher, Orkestra - Basque Institute of Competitiveness

Mikel Albizu, Researcher, Orkestra - Basque Institute of Competitiveness





From Web Data to Actionable Skills Intelligence: A Three-Stage Architecture for Europe's Advanced Digital Skills

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GPS Professional: A Dual-Pathway Hybrid Intelligence Platform for Skills-Based Career Guidance Integrating OJA Data

Marina Muñoz Martínez, Researcher, Universitat Oberta de Catalunya (UOC)

Gonzalo Ignacio Cubillos Ríos, Researcher, Universitat Oberta de Catalunya

Harnessing Real-Time Labor Market Intelligence: Machine Learning and NLP Approaches to Online Job Advertisement Data for Policy, Education, and Career Mobility

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Harnessing web data for next-generation skills intelligence in the UK

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Rosie Day, Computer officer, University of Warwick

Neil Bachelor, CEO

Peter Elias, Professor, University of Warwick

Andy Dickerson, Professor, Sheffield University





How Do Policies Activate the Overlap Between Occupational Task Content and Technological Capabilities ? Employment Restructuring Under AI Policy Shocks

Yingzi Qu, Marie Skłodowska-Curie Postdoctoral Fellow, UNIVERSITA DEGLI STUDI DI TRENTO

Mauro Caselli, Professor, UNIVERSITA DEGLI STUDI DI TRENTO

Andrea Fracasso, Professor, UNIVERSITA DEGLI STUDI DI TRENTO

Imbalance and talent shortage in the Catalan labor market: survey insights and comparison with OJAs

Paula Pedro Aznar, Sociologist and political scientist specializing in labor market studies, Universitat Oberta de Catalunya

Carmen Pagés Serra, Unit Director. PhD in Economics and expert in labour economics, Universitat Oberta de Catalunya

Adrià López Carrasco, Data analyst and marketing specialist, Universitat Oberta de Catalunya

Labor Demand for Digital Skills during Wartime: Evidence from Russia's Invasion of Ukraine

Britta Rude, Economist, World Bank

Yurii Kleban, Lecturer, National University of Ostroh Academy

Labour Market Information System in Poland. Occupations and Skills

Artur Gajdos, Assistant Professor, Centre of Labour Market Analysis, University of Lodz

Karolina Lewandowska-Gwarda, Associate Professor, Centre of Labour Market Analysis, University of Lodz

Leveraging Machine Learning for Personalized Labor-Market-Relevant Training Pathway Recommendations in Serbia

Milica Jelic Mariokov, Coordinator at the Centre for Accreditation of Adult Education Providers, The Qualifications Agency of the Republic of Serbia





Mapping Digitalization through Skill Demand: Firms, Sectoral, and Regional Labor Market Insights in Italy

Sladana Krgovic, Researcher, CSIL (Centre for Industrial Studies)

Giulia Canzian, Senior Researcher, CSIL

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Laura Delponte, Senior Researcher, CSIL

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Mind the AI gap: A Stage-Based Human Capital Framework for the Fourth Industrial Revolution

Mikel Albizu, Researcher, Orkestra (Basque Institute of Competitiveness)

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Alejandro Sainz-Aja, Education Consultant, University of Alcalá and Possible Lab

Modeling labour market mobility through dynamic skill representations

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Occupation classification algorithms at the Luxembourgish Public Employment Agency (ADEM)

Gabriele Marconi, Data Scientist, Agence pour le développement de l'emploi (Luxembourg)

Shifting skill demands across education levels: NLP and ESCO taxonomy applied to Italian OJAs

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Skills and AI Innovative Ecosystems: Evidence from Brazilian Microregions

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Skills Demand and Regional Productivity

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Skills intelligence analysis in the Offshore Renewable Energy sector in Europe: A value-chain approach

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Skills Intelligence Emilia-Romagna (SI-ER): Leveraging Web Data and AI for Next-Generation Regional Skills Intelligence

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Mauro Pelucchi (Lightcast) also contributed to the drafting of the abstract.



Skills Intelligence for informing HEIs curricula: UPAL Labour Market tools

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Spatial Matching of Online Job Vacancies and Training Provision Data

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Telework Disruption and Digital Skills: Evidence from 700,000 Job Postings during COVID-19 Pandemic in Slovakia

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The elephant never left the room: did gender discrimination went implicit in French job posting?

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The Hidden Innovators: Uncovering Capabilities and Industrial Dynamics in European Rural Areas

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The ROI of Guidance: Measuring the Impact of Human-in-the-Loop Curation on STEM Talent Mobility

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The role of education and training offer data in skills intelligence

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Tracking Upskilling and Reskilling via Skill Evolution in GitHub Profile READMEs

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Using Online Job Adverts Data on Skills to Identify Potential Career Pathways

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What jobs do Polish companies offer to Ukrainian refugees? The role of occupational heterogeneity and dynamic changes over the war

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