



CEDEFOP

European Centre for the Development
of Vocational Training

eurostat

Harnessing web data for next-generation skills intelligence

Cedefop and Eurostat research conference

Programme

DAY 1 – 28 May 2026 (all times are EEST)

09.00 – 10.00	Participant arrival and registration
10:00 – 10.55 <i>Europa room</i>	Welcome speech Jürgen Siebel, <i>Executive Director, Cedefop</i>
	Keynote speech OJAs in the next decade Michail Skaliotis, <i>Active Senior - European Commission, Eurostat</i>
10.55 – 11.30	Coffee break



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Thessaloniki

11.30 – 13.00
Europa room

Session 1a

Bridging Skills Demand and Vocational Qualifications: Linking Online Job Postings with National Skills and Qualification Frameworks

Mauro Pelucchi, *Head of Global Data Science, Lightcast*

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

Anu Passi-Rauste, *CBO, Headai*

Labour Market Information System in Poland. Occupations and Skills

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

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

The role of education and training offer data in skills intelligence

Alice Bertoletti, *Research Officer, European Commission - JRC*

11.30 – 13.00
Montessori room

Session 1b

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

Yingzi Qu, *MSCA Postdoctoral Fellow, Universita Degli Studi di Trento*

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

Britta Rude, *Economist, World Bank*



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

Brian Fabo, *Researcher, Institute for Forecasting, Centre of Social and Psychological Sciences of the Slovak Academy of Sciences*

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

Robert Pater, *Professor, Educational Research Institute*

13.00 – 14.00

Lunch break

14.00 – 15.30
Europa room

Session 2a

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

Jeisson Cardenas-Rubio, *Head of Global Data Science, Cambridge Econometrics*

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

Gabriele Marconi, *Data Scientist, Agence pour le Développement de l'Emploi (ADEM)*

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

Panagiotis Zervas, *Associate Professor, University of Peloponnese*

Modelling labour market mobility through dynamic skill representations

Leyla El khamlichi, *Senior data scientist, UWW*

14.00 – 15.30
Montessori room

Session 2b

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

Mario Lelovsky, *Chairman, Digital Coalition*



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

Emilio Colombo, *Professor of economics, Università Cattolica del Sacro cuore*

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*

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

Eleftherios Sdoukopoulos, *Head of Environmental and Energy Impacts of Transport Systems Laboratory, Hellenic Institute of Transport (HIT) - Centre for Research and Technology Hellas (CERTH)*

15.30 – 17.00
Europa Foyer

Joint Poster Session

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

Eline Delmarcelle, *Analyst, Bruxelles Formation (Institut bruxellois francophone de formation professionnelle)*

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

Mikołaj Tym, *Data Scientist, 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 - Research Institute for the Evaluation of Public Policies*

Digital Skills Demand in Greece: Labour Market Analysis Using [kariera.gr](https://www.kariera.gr) Online Job Vacancies

Petros Stavropoulos, *Research Associate, Athena Research and Innovation Center*



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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*

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

Paula Pedro Aznar, *Sociologist, political scientist, and labor market researcher, Universitat Oberta de Catalunya (Open University of Catalonia)*

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

Muratbek Tolokov, *PhD student in EMIS, University of Parma and University of Ferrara*

Researcher in Economics, UNESCO Chair on Education, Growth and Equality

Skills Demand and Regional Productivity

Bernardo Caldarola, *Economic Complexity Analyst, European Commission - Joint Research Centre*

Tracking Upskilling and Reskilling via Skill Evolution in GitHub Profile READMEs

Maria Papoutsoglou, *PostDoc Researcher, Aristotle University of Thessaloniki - School of Informatics*



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DAY 2 – 29 May 2026 (all times are EEST)

09.00 – 09.30	Participant arrival
09.30 – 11.00 <i>Europa room</i>	<p>Session 3a</p> <p>Advertised Technologies: Identifying Adoption of Emerging Technologies in Online Job Postings</p> <p>Tommaso Ciarli, <i>Senior Researcher, UNU-MERIT, United Nations University; SPRU, University of Sussex</i></p> <p>Disruption or Augmentation? The Changing Demand for AI Skills in the Age of Generative AI</p> <p>Gabriele Marconi, <i>Data Scientist, Agence pour le Développement de l'Emploi (ADEM)</i></p> <p>Mind the AI gap: A Stage-Based Human Capital Framework for the Fourth Industrial Revolution</p> <p>Mikel Albizu, <i>Researcher, Orkestra (Basque Institute of Competitiveness)</i></p> <p>Skills and AI Innovative Ecosystems: Evidence from Brazilian Microregions</p> <p>Florencia Jaccoud, <i>Affiliated Researcher, UNU-MERIT</i></p>
09.30 – 11.00 <i>Montessori room</i>	<p>Session 3b</p> <p>Harnessing Real-Time Labor Market Intelligence: Machine Learning and NLP Approaches to Online Job Advertisement Data for Policy, Education, and Career Mobility</p> <p>Hamdy Ragb, <i>Education Advisor, Colleges of Excellence</i></p> <p>Leveraging Machine Learning for Personalized Labor-Market-Relevant Training Pathway Recommendations in Serbia</p> <p>Milica Jelic Mariokov, <i>Coordinator at the Centre for Accreditation of Adult Education Providers, The Qualifications Agency of the Republic of Serbia</i></p>



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

Harshit Jaiswal, *Founder & CEO, Flow Community Inc.*

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

Nora Condon, *Senior Data Analyst, Skills and Labour Market Research Unit (SLMRU), SOLAS*

11.00 – 11.30

Coffee break

11.30 –13.15
Europa room

Session 4a

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

Carmen Pages, *Directors Skills Intelligence and Labor Market Analysis Unit, Universitat Oberta de Catalunya*

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

Lara Porciatti, *Senior program manager, ART-ER*

Skills Intelligence for informing HEIs curricula: UPAL Labour Market tools

Natalí Basilico, *Researcher, Universitat Oberta de Catalunya*

Spatial Matching of Online Job Vacancies and Training Provision Data

Nermin Oruc, *Director of Research, Centre for Development Evaluation and Social Science Research*

11.30 –13.15
Montessori room

Session 4b

Beyond Composite Indices: Using Online Job Advertisements to Reveal Gender-Blind Spots in Skills Intelligence

Irina Dimitrova, *National VET Expert/VET and labour market researcher, Human Resources Development Center*



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

Sladana Krgovic, *Researcher, CSIL*

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

Ylenia Curci, *Professor, CNAM*

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

Simone Sasso, *Economist and Policy Analyst, European Commission's Joint Research Centre*

13.15 –13.30
Europa room

Closure speech

Adam Tsakalidis, *Expert in skills intelligence and foresight, Department for VET and Skills, Cedefop*

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