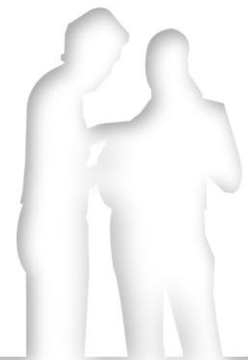




AGENDA

EVENT NAME	Digital transformation of skills anticipation and matching – improving benefits for users
LOCATION	Radisson Blu Hotel Milan – Via Villapizzone 24, 20156 Milan, Italy. radissonblu.com/hotel-milan
DATE(S)	27-28 June 2019



INTRODUCTION AND OBJECTIVES

The European Training Foundation (ETF) jointly with the European Commission organise the eighth thematic training workshop on skills anticipation and matching, which will take place on 27-28 June in Milan. The event will be hosted by the University Milano-Bicocca, which carries out applied research on innovative methods for skills analysis using Big Data and cooperates with ETF in this domain.

This thematic workshop is part of the Eastern Partnership Platform 4 Work Programme for 2017-2020 and its participants are members of the “Make it Match” experts’ network. This workshop contributes to sharing of good practise and networking on a multilateral Eastern Partnership¹ level. Overall the activities of this initiative aim at mutual learning and building capacity on approaches and institutional arrangements for anticipation of skills demand and imbalances and how the created evidence can be used to shape relevant policies (education and training, employment, entrepreneurship).

The agenda of this thematic workshop builds on 4 pillars: 1) Real time Labour Market Intelligence (LMI), based on analysis of Big Data (online job vacancies); 2) Matching skills and jobs: lifelong career guidance and new digital platforms; using LMI for education and training planning and policy; ESCO² in skills matching; 3) Skills and qualifications: managing and disseminating information for users –

¹ Countries of the Eastern Partnership: Armenia, Azerbaijan, Belarus, Georgia, Moldova and Ukraine.

² ESCO: European Classification of Skills/Competences, Qualifications and Occupations. At: <https://ec.europa.eu/esco/portal/home>

qualifications databases, catalogues; 4) EaP regional cooperation: updated country fiches and roadmaps; success stories; sharing information and updates.

The workshop will count on guest experts from the European Union Member States, from the European Commission and ETF. Experts from the academia and specialised data analytics organisations will update the participants on innovative LMI and learning approaches and tools.. As in all previous workshops, the Eastern Partner country teams will exchange views and detailed information on their most recent developments and plans to improve the effectiveness and organisation of their skills anticipation and matching systems, and share their success stories.

Seven previous thematic workshops took place in June 2014 (Turin), in June 2015 (Helsinki), in November 2015 (Paris), in June 2016 (Maastricht), in November 2016 (Prague), June 2017 (Riga) and September 2018 (Dublin). As a result, the regional Network of experts and policy makers was established, formed by six country teams; the online Platform “Make it Match” was launched and is regularly updated with relevant information and documents. With ETF support, country specific activities were carried out in 2016-2018, in synergy with the thematic workshops at regional Eastern Partnership level, supporting in-depth analysis and piloting practical approaches in the involved countries. An improved online platform to host the Make it Match content is currently in preparation.

Participants of the workshop are experts and officials / public servants from Ministries of Education, Labour, Economy, public employment agencies, statistical offices, research centres and civil society from the six countries of the Eastern Partnership, from EU Member States and from international organisations (ILO). Total number of participants: 60, including: representatives from the Eastern Partnership countries and EaP Civil Society Forum; approx. 15 representatives from EU Member States, European Commission, academia, data analytics organisations and ETF; guest experts from European Neighbourhood South and from the African Union.

Simultaneous interpretation English-Russian-French will be available throughout the 2 days workshop.

Day 1: Thursday, 27th June 2019

Focus of the day: digital transformation of skills anticipation and matching – what does it bring new and how shall institutions be prepared?

Chair: Xavier Matheu, ETF

08.00-08.45	Registration of participants
08.45 – 09:00	Opening and welcome remarks <i>ETF</i> <i>Mario Mezzanzanica, CRISP/University Milano-Bicocca - Coordinator of Project Big Data for Labour Market Intelligence (LMI)</i>
09:00 – 09:15	Tour de table – participants of the workshop
09:15 – 09:40	<u>Session 1</u> Objectives of the workshop. Overview of the agenda. Policy updates. <ul style="list-style-type: none">• Our 8th thematic workshop: new topics, more space for sharing recent developments• Updates on the Eastern Partnership and on EU policies and tools: renewed Europass; European Education Area; Graduate Tracking. <u>Speaker:</u> Eduarda Castel Branco (ETF)
9.40 – 10.45	<u>Session 2</u> Digital transformation of demand analysis: Real Time Labour Market Intelligence - using Big Data (online job vacancies). Novel data and analysis, fine-grained skills analysis. Data quality. Data protection. <u>Speakers:</u> <i>CRISP – Mario Mezzanzanica and Fabio Mercorio</i> <i>ETF – Eduarda Castel-Branco</i> <u>Guiding questions:</u> <ul style="list-style-type: none">- How does the use of Big Data contribute to uncover skills demand in Real Time, fine granularity and geo-localisation. Which added-value for institutions, stakeholders and end-users?- State of play of international experience.- Starting from skills or occupations: a paradigm shift in matching?- ETF Methodology Guide on Big Data for LMI.- Preliminary results of ranking of online job vacancy portals in ETF partner countries- Case studies: data sources, analysis, architecture, results, visualisation. Interpretation. Caveats and issues. Messages for policy. Presentation. Discussion Moderators: Elena Vankevich (Belarus), Masuma Mamedova (Azerbaijan)
10.45-11.15	▪ Coffee break

11.15 – 12.00	<p><u>Session 2 (continuation):</u></p> <p>Digital transformation of skills demand analysis: Real Time Labour Market Intelligence - using Big Data (online job vacancies).</p> <ul style="list-style-type: none"> • Experiences of practical application of Big Data for LMI • Overview of main LMI digital platforms based on Big Data (OJV) <p><u>Speakers:</u> <i>Burning Glass – Mr Davor Miskulin</i> <i>Tabulaex – Mr Alessandro Vaccarino</i></p> <p>Moderators: Elena Vankevich (Belarus), Masuma Mamedova (Azerbaijan)</p>
12.00 – 13.00	<p><u>Session 3</u></p> <p>How is LMI used to inform policy decisions and plan and to guide end-users? Using insights from LMI in the frame of education policy and planning</p> <p><i>Case study:</i></p> <ul style="list-style-type: none"> - OSKA – Estonia <p><u>Guiding questions (to be adusted to each of the case studies)</u></p> <ul style="list-style-type: none"> - OSKA: main objectives, features, achievements. Challenges. - OSKA: data, analysis, outputs for various users. Webportal. Interoperability with other databases and instruments of the education and training system, NQF, others. - Directions and scale of change in the key sectors of the economy, labour market and skills demand: how are insights and trends analysis used in policies, notably in education and training policy design, review and planning. - Monitoring of effectiveness of skills matching approaches and policies. <p>Presentation and discussion</p> <p><u>Speaker:</u></p> <ul style="list-style-type: none"> - <i>Mr Rain Leoma, OSKA – Kutsekoda, Estonia</i> <p>Moderators: George Gamkrelidze (Georgia), Lusine Kalantaryan (Armenia)</p>
13.00-14.15	<ul style="list-style-type: none"> ▪ Group photo and lunch
14.15-15.15	<p><u>Session 4</u></p> <p>Matching skills and jobs: practical use of ESCO pillars. Digital platforms for users.</p> <p><i>Case studies: ESCO Success Stories.</i></p> <p><u>Guiding questions:</u></p> <ul style="list-style-type: none"> - Description of cases: main objectives and features; achievements and challenges to be addressed. - What is new and particularly effective in the digital transformation of skills-jobs matching? Main technical and methodological elements. - What is the added-value of ESCO pillars, terms and profiles?

	<ul style="list-style-type: none"> - How did your system incorporate ESCO, and which were the main requirements, issues? - How do you measure performance of the new matching model / system? How do you track problems, errors, ethical issues (bias, privacy)? - How can ETF partner countries cooperate with ESCO and use its terms and tools? <p>Presentation. Videos.</p> <p>Discussion</p> <p><i>Speakers: Laura Visan (ESCO Support Team); Manlio Ciralli (ADECCO Group)</i></p> <p>Moderator: Prof. Vasile Cucerescu (Moldova), Prof. Mihaela Natea (Romania)</p>
15:15-15.30	<ul style="list-style-type: none"> • Coffee break
15.30 – 17.00	<p><u>Session 5:</u></p> <p>DEBATE IN COUNTRY TEAMS</p> <p>Added-value of the day: making sense of the discussed experiences.</p> <p><u>Guiding questions for the in-depth country debate:</u></p> <ul style="list-style-type: none"> • What examples, practices and ideas will I take home to share with my organisation / Ministry? Why these? • What are the most important difficulties / constraints we are likely to face in putting them in practice in the country context? • What else would I like to know in greater detail from the speakers / participating institutions? • What can we suggest / recommend to stimulate further peer learning, piloting or practical application of these approaches and models? <p>Each team chooses a moderator and a rapporteur to synthesise the findings from the discussion.</p> <p>Brief presentation of main conclusions by country teams. Discussion between country teams.</p>
18:00-20.30	<ul style="list-style-type: none"> ▪ Welcome dinner: Restaurant at Radisson Blu Hotel Milan

Day 2: Friday, 28th June 2019

Focus of the day: Lifelong career guidance. Managing and communicating information on skills and qualifications. Qualifications management and qualifications' value: trusted sources, graduate tracking analysis. Regional cooperation and peer learning – updated country fiches, progress, success stories.

Chair: Eduarda Castel-Branco, ETF

09:00 – 09:15	<ul style="list-style-type: none"> ▪ Recapitulation of day 1. Objectives and agenda of day 2 <p>Eduarda Castel Branco, ETF</p>
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<p>09:15 – 10.45</p>	<p><u>Session 6</u></p> <p>Lifelong career guidance as a powerful policy instrument to support matching and maintain the cap in turbulent times.</p> <p>Digital transformation of career guidance.</p> <p><u>Main topics:</u></p> <ul style="list-style-type: none"> • Career guidance cooperation networks in the EU: policies, novel concepts and approaches. Co-careering. • Role of digital tools in designing and improving career information and guidance services and content. • Career guidance and labour market information • Career guidance for disadvantaged youth • Role and place of enterprises in career guidance. <p><u>Speakers:</u></p> <p>- Mr Raimo Vuorinen, Finland (video – 15 min);</p> <p>- Mr Joachim Öjeryd Public Employment Service, Sweden - Product manager, career guidance, digital self-service</p> <p>- Mr Sebastian Kemi Public Employment Service Sweden - Lead developer, career guidance, digital self-service</p> <p>Presentation and discussion. Visual materials.</p> <p>Moderators: Ms Irina Tserodze (Georgia), Ms Haykuhi Gevorgyan (Armenia)</p>
<p>10.45 – 11.10</p>	<p><u>Session 7</u></p> <p>Digital transformation of learning – everyone, everywhere, anywhere.</p> <p><i>Speaker: Mr Silviu Piros - Head of Educational Development, Institute for European Studies, VUB Brussels</i></p> <p>Presentation, questions.</p>
<p>11.10 – 11.30</p>	<p>Coffee break</p>
<p>11:30 – 13.00</p>	<p><u>Session 8</u></p> <p>Improving effectiveness and outcomes of education and training: case study Ireland.</p> <ul style="list-style-type: none"> • Role of the National Framework of Qualifications (NFQ): contributor to policy and information for end-users – QQI. • Role of graduate tracking: contribution to policy review, planning of VET provision and for end-users’ users needs – SOLAS. <p>Case study: Ireland - Quality Qualificatiions Ireland (QQI) and SOLAS (SLMRU)</p> <p><u>Main topics:</u></p> <ul style="list-style-type: none"> • NFQ – QQI: <ul style="list-style-type: none"> ○ The role and contribution of the NFQ within the Ireland’s skill and qualifications system ○ Quality assurance of the NFQ in a context of increasing

	<p>diversity of modes of learning and certification</p> <ul style="list-style-type: none"> ○ NFQ, a trusted source of information? The role of qualifications registers. ● Graduate tracking in Ireland (SOLAS): <ul style="list-style-type: none"> ○ The general purpose of graduate tracking: benefits to the learner, employer, society ○ Linking learner records with administrative datasets for graduate tracking: collaboration with the Central Statistical Office ○ Follow-up Surveys ○ Graduate tracking and funding: Strategic Performance Agreements between SOLAS and the 16 ETBs (Targets) ○ How labour market intelligence and skills shortage data feeds into funding and performance agreements <p>Speakers:</p> <ul style="list-style-type: none"> ● <i>Mr John o'Connor (QQI Ireland) Head of Qualifications and Skills Policy - Qualifications Directorate</i> ● <i>Ms Selen Guerin, SOLAS</i> <p>Presentation. Visual materials</p> <p>Discussion.</p> <p>Moderators: Serhii Melnik (Ukraine), Viorica Condruce (Moldova)</p>
13.00 – 14.15	<ul style="list-style-type: none"> ▪ Lunch break
14.15 – 16.00	<p><u>Session 9:</u></p> <p>EaP regional cooperation and peer learning. Updates from Eastern Partnership countries on skills anticipation and matching approaches and systems: progress on organisation, capacities, methods and recent analyses.</p> <p>Updated country plans and roadmaps. Success stories.</p> <ul style="list-style-type: none"> - <i>Armenia</i> - <i>Azerbaijan</i> - <i>Belarus</i> - <i>Georgia: career guidance</i> - <i>Moldova</i> - <i>Ukraine</i> <p>Presentation. Success stories.</p> <p>Discussion. Main conclusions.</p> <p>Moderator: Eduarda Castel-Branco (ETF)</p>
16.00 – 16.30	<p>General conclusions, recommendations and next steps.</p> <ul style="list-style-type: none"> ● Eduarda Castel-Branco, ETF <p>Closing remarks and closure</p> <ul style="list-style-type: none"> ● CRISP - University Milano-Bicocca, ETF