

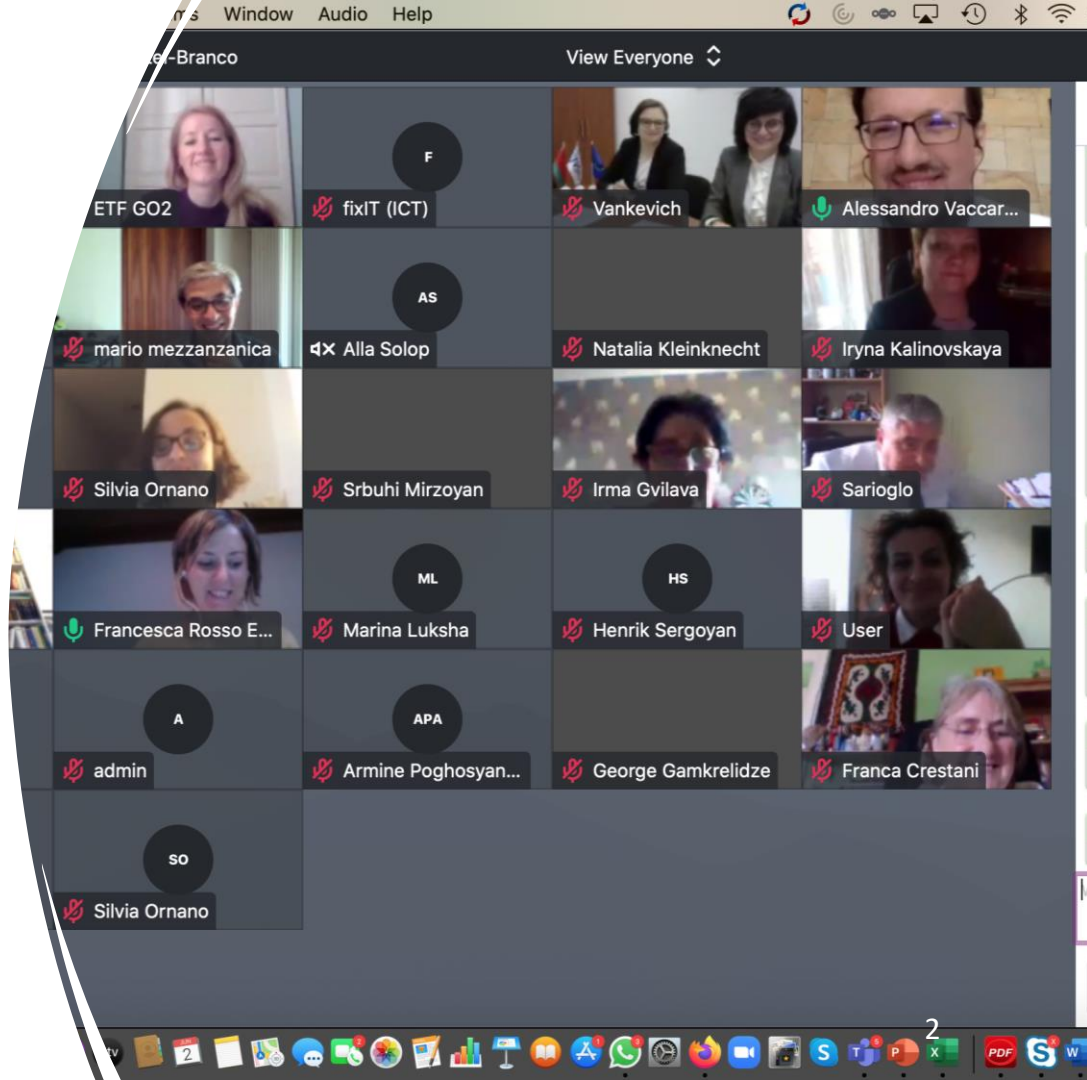


SKILLS LAB

Transformation of Labour Market Information
A Webinar of the Make it Match Network of Eastern Partnership
10 December 2020
Session 1 – Eduarda Castel-Branco

WELCOME !

- ❖ Participants from different countries and continents!
- ❖ Speakers: researchers and policy officers
- ❖ Experts of ETF Big Data for LMI project



AGENDA

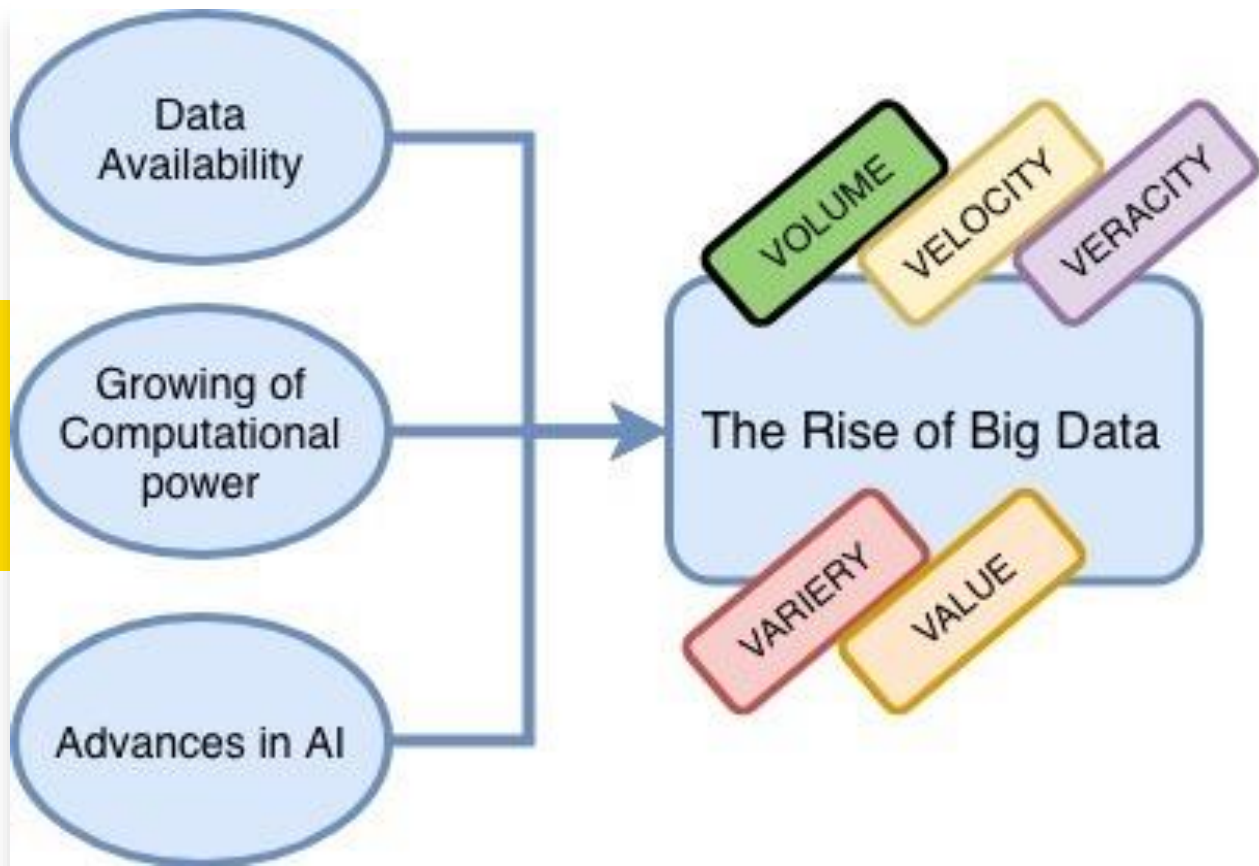
Time (UT)	Session	Speaker
13.00-13.15 Session 1 (EN)	Opening, welcome remarks Brief introduction on the Big Data LMI project	Xavier Matheu (ETF) Eduarda Castel-Branco
13.15-14.00 Session 2 (EN)	Let the Data speak. Labour market information in transformation – Big Data analytics in application: Tunisia and Ukraine. Main conclusions Visualisation of the results in interactive Dashboards.	M. Alessandro Vaccarino M. Mario Mezzanzanica Burning Glass, University Milano-Bicocca.
14.00-14.15 Session 3 (RU)	Belarus – Web Labour Markets: key messages from the landscaping study.	Ms. Alena Vankevich
14.15-14.30 Session 4 (FR)	Case study Morocco: towards a system of Big Data LMI	M. Murad Bentahar
14.30-14.45 Session 5	Questions et discussion on Big Data for LMI	Facilitation : ETF
14.45-15.10 Session 6 (EN)	ESCO : Occupations and Skills. New Skills hierarchy. Uses of ESCO skills for comparison of qualifications and matching.	Ms Aikaterini Sylla ESCO Team
15.10-15.35 Session 7 (EN)	Graduate Tracking: main outputs of the work of Expert Group – Council Recommendation. Exploring the combination and integration of data sources.	Ms Nadia Manzoni European Commission
15.35-15.45 (EN)	Main conclusions. Next steps. Acknowledgements and closure.	ETF

CONTEXT OF THE WEBINAR

- **Platform 4 of the Eastern Partnership:**
 - Deliverable 18 of the “20 deliverables 2020” – Mobility and People-to-People Contacts
 - Young people’s skills, entrepreneurship and employability
 - Reduced mismatch of skills with labour market demands
- **2014-2019: 9 thematic workshops on Skills anticipation and matching Themes:** Approaches, methodologies, combination of different sources and methods of analysis, governance (networks, participation, different levels) and innovation!
- **2020: 2 webinars – June and December (today: more countries)**
- **This webinar** discusses different approaches of Skills anticipation and matching: Big Data for LMI (OJV analysis), ESCO and Graduate Tracking in the EU (different angles of analysis, responding to different relevant questions).

TRANSFORMATION OF LABOUR MARKET INFORMATION / INTELLIGENCE

- **“Artificial intelligence (AI) and machine learning are not only changing the labour market, but also giving us new tools for analysing the workforce”.**
- **Terabytes of data from online job vacancies!** Job vacancies or job advertisements are published, refreshed, updated in large numbers through websites of different types, size and coverage
- Exploring the inherent information of a such large data source has become an objective of research centres and public bodies in a number of countries. **EU OVATE (Cedefop) is a major breakthrough!**
- These **vast and fast** data sources are essential to understand the transformation of jobs (as bundles of tasks and skills), of changing forms of work and employers’ recruitment practices in the context of **Covid-19 (and Beyond...)**



**THE KEY ELEMENTS
DRIVING THE RISE
OF BIG DATA:**

- 1. DATA
AVAILABILITY**
- 2. EVER GREATER
COMPUTING
POWER**
- 3. RECENT
ADVANCES IN AI**

ETF PROJECT BIG DATA FOR LABOUR MARKET INFORMATION

2018-2020

(2,5 YEARS)

- **2018-2019: Methodology:** first step - project elaborated first a brief methodological handbook "Big Data for labour market intelligence: an introductory guide" (2019).
- **2019: First application:** Feasibility analysis – Landscaping of Web Labour Markets Tunisia and Morocco
- **2019:** A training programme for experts of the “Make it Match Network” of Eastern Partnership
- **2020:** Creation of the complete data system supported by AI with data visualisation platform (dashboard)
- ETF works with the data analytics specialists of University Milano-Bicocca and Burning Glass Technologies.
- The data system is based exclusively on **demand** – based on **job vacancies (OJV)** posted on web portals

ETF PROJECT BIG DATA FOR LABOUR MARKET INFORMATION

2020

- The data system has been completed and full data release (with data up to end October 2020) is available in two interactive country Dashboards:
- [Tunisia](#) and [Ukraine](#).

BIG DATA FOR LMI - DIMENSIONS OF ANALYSIS



SKILLS DEMAND:
IDENTIFY AND
ASSESS



SKILLS RATES



EMERGING SKILLS AND
CHANGING SKILLS MIX
SKILLS ADJACENCY
FOR TRANSITION



LANDSCAPE AND
DRIVERS OF OJV
WEBSITES AND
THEIR USE



SHARPEN THE POLICY QUESTIONS
THAT CAN BE EXPLORED,
ANSWERED



EXPLORE COMBINATION OJV ANALYSIS
WITH OTHER SOURCES LMI /
STATISTICAL SURVEYS



THE GOLD MINE OF OJV DATA:

REAL TIME, FAST AND GRANULAR DATA

**THE LINKS THAT CAN BE DONE WITH
OTHER DATA SETS (STATISTICAL) AND
OTHER BIG DATA DATABASES
(NOT REPLACE STATISTICAL DATA, BUT
ADD-VALUE AND COMPLETE)**
