



**CEDEFOP**

European Centre for the Development  
of Vocational Training



# Data presentation and analysis

Possible data applications and plans for early  
data release

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# Introduction

Underling question:

**What can we actually do with the data?**

Outline:

- What is out there in the world?
- What can we do with available resources?
- What are our ideas for
  - Possible indicators to be provided in 2020
  - Early data release in 2018



## Whom did we visited?

|    | Vacancy data providers   | Data applications & users   | Research community  |
|----|--|---|---|
| NL | <ul style="list-style-type: none"><li>• Textkernel (TXT)</li></ul>                 | <ul style="list-style-type: none"><li>• S-bb</li><li>• Dutch PES</li></ul>                    | <ul style="list-style-type: none"><li>• University of Amsterdam</li><li>• Eduworks</li><li>• InGRID</li></ul> |
| UK |  | <ul style="list-style-type: none"><li>• LMI 4 All</li><li>• EMSI</li><li>• GLA</li></ul>      | <ul style="list-style-type: none"><li>• Oxford internet institute</li></ul>                                   |
| US | <ul style="list-style-type: none"><li>• Burning Glass Technologies (BGT)</li></ul> | <ul style="list-style-type: none"><li>• BLS</li><li>• Labour Administration (O*Net)</li></ul> |   |



## What have we learned?

- OJV in EU is mainly used for vacancy statistics - skills analysis only at exploratory level
- Low transparency of gathered data
- OJV data mainly used as they are (“weighting” is rather rare)
- Comparisons within the OJV data – relate occupation vacancy trends and skills required to other (similar?) occupations
- “Less is more” – more aggregated results
- OJV data in combination with more “traditional sources”
- OJV data are subject to “external factors”



## Key variables collected by us

- Detailed occupations
- Geographical dimension (possibly regions)
- Skills and other job requirements
  - Skills (ESCO)
  - New, emerging and diffusing skills
  - Non-skills requirements
- Time dimension
- Other variables (e.g. wages, sectors, type of contract)



# Potential users of our data?

## Potential users

- Policy- makers
- Education and training providers
- Employment services and career guidance practitioners
  
- Citizens
- Employers (?)
  
- Research community



# What data can we (hopefully) provide?

## Policy-makers

In-demand skills within occupation and trends in demand for skills over time (based on ESCO)

‘Hot’ skills or technologies required in OJVs

New, emerging and diffusing skills

Trends in demand for particular occupations over time

Top demanded occupation appearing in web portals

Occupations requiring similar skill sets (skills clusters)

Variability of skill sets within occupation across regions or countries



## E&T providers

Vacancies for young graduates and young job seekers (not requiring particular experience) and the skills they require

Time trends in occupational structure of OJV

Trends in skills requirements within and between occupations

Variability of skills set within occupation across regions or countries



## Guidance practitioners

Jobs with higher than average demand in a particular geographical unit

Skills, experience and other requirements by occupation

Skills upgrades needed by individuals for desired career

Proximity between occupations

Variability of skills set within occupation across regions or countries

Clusters of skills within occupations



# What data can be released in 2018?

ONLY showcasing to potential of the data for 7 countries:

- DE, CZ, IT, IE, UK, ES, FR

With high degree of certainty:

- in-demand skills by occupation (based on ESCO)

Possibly:

- information about 'hot' skills or technologies required in OJVs
- top demanded professions/top posted occupations online
- geographical distribution of OJVs by occupations

**Thank you.**