



Matching skills

From evidence to action

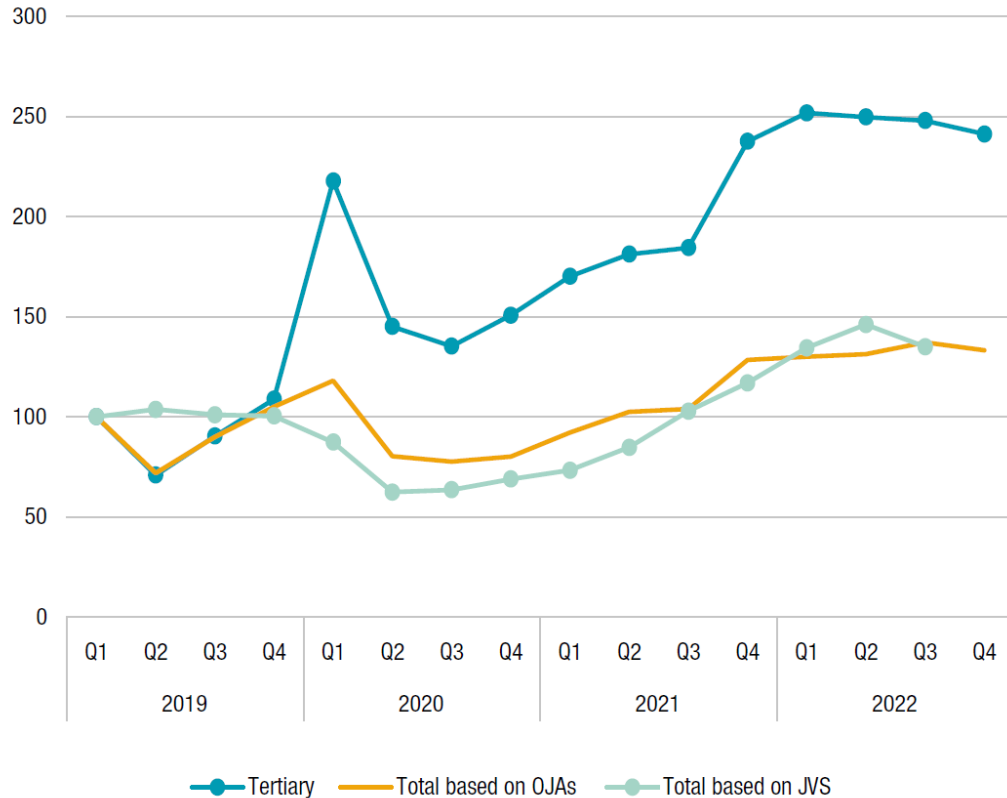
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Expert, Cedefop

Cedefop 5th VGT, 'Inspiring skills matching policy'
17 October 2023



Skill mismatch – More than shortages

SKILL SHORTAGE



NB: Calculation of tightness based on JVS data does not include information from DK, FR and IT. Vacancies requiring tertiary education were derived based on occupation group, including ISCO groups 1,2 and 3. The tightness for 2022 was calculated based on values for unemployment for year 2021.

Source: Cedefop calculations based on EU-LFS, JVS and WIH-OJA database.

VERTICAL Over-qualification
under-qualification

HORIZONTAL Field-of-study
mismatch

SKILL GAPS Skills below level needed
to do job proficiently

**SKILL
OBsolescence** Skills becoming outdated
(physical, economic)

**SKILL
UNDERUTILISATION** Not (effectively)
using skills in job

Skill underutilisation is marked in Europe

HIGH MISMATCH

Hungary
Greece
Latvia
Lithuania
Ireland
Cyprus
Spain
Italy

HIGH VERTICAL/ LOW HORIZONTAL

France
Malta
Portugal
Sweden
Norway
Estonia
Iceland

LOW VERTICAL/ HIGH HORIZONTAL

Czechia
Slovakia
Poland
Croatia
Bulgaria
Belgium
Austria

LOW MISMATCH

Slovenia
Romania
Germany
Netherlands
Denmark
Luxembourg
Finland

28%
Overqualified

12%
Underqualified

35%
Field mismatch

55%
Overskilled

Skill mismatch – Wasting potential

| SKILL MISMATCH | PAY ABOVE HIGHEST QUARTILE | JOB SATISFACTION |
|--|----------------------------|------------------|
| Reference group: workers with same education level ('classmates') | | |
| <i>Overqualified</i> | -9% *** | -7% *** |
| <i>Severely overqualified</i> | -15% *** | -9% *** |
| <i>Underqualified</i> | 6% *** | 3% *** |
| Reference group: workers in job with similar education and skill requirements ('coworkers') | | |
| <i>Overqualified</i> | +1% ** | -4% *** |
| <i>Severely overqualified</i> | +3% *** | -4.4% *** |
| <i>Overskilled</i> | -5% *** | -17% *** |
| <i>Underqualified</i> | -6% *** | insignificant |

NB: Mincer-type wage and job satisfaction probit regressions; marginal probabilities at means.

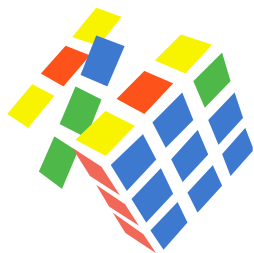
Source: ESJS2

Strengthening skills intelligence for Europe

Matching
skills



Skills
forecast



Skills
OVATE



Matching skills

Inspiring policies for anticipating and matching skill needs

27
EU countries

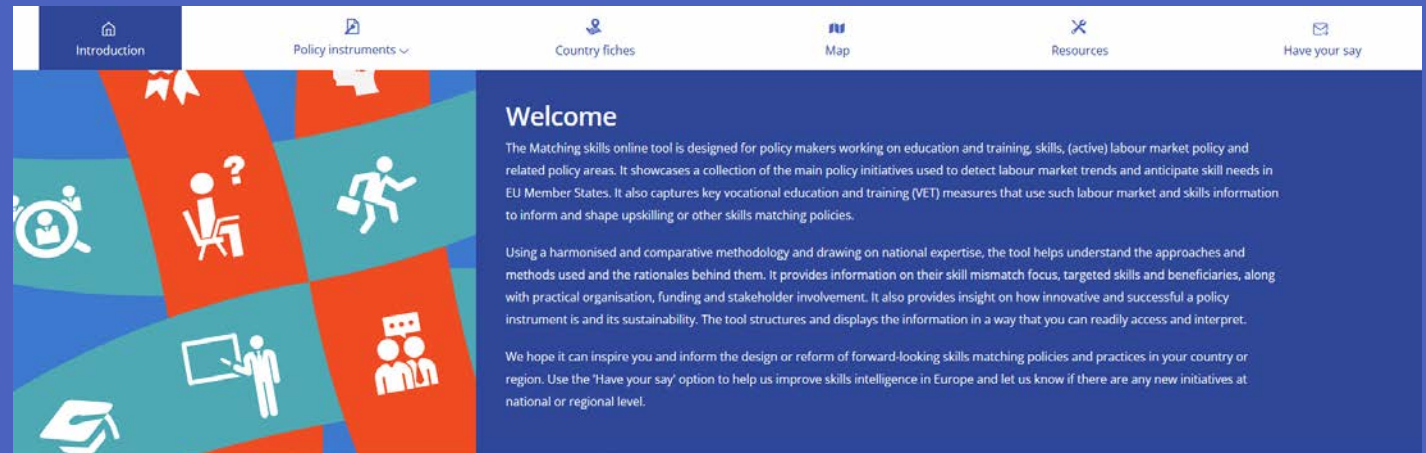
102
skills anticipation and
matching practices

65
Main skills anticipation
initiatives

37
Key VET policy
measures

COMPARATIVE EU INFORMATION BY

- Focus area
- Policy area
- Skills matching focus
- Use of skills intelligence
- Country
- Resources
- Have your say







www.cedefop.europa.eu/en/tools/matching-skills

Matching skills online tool

Inspiring policies for anticipating and matching skill needs

Displaying 102 policy instrument


| TITLE | COUNTRY | FOCUS AREA | POLICY AREA | SKILLS MATCHING FOCUS | USE OF LABOUR MARKET INTELLIGENCE |
|--------------------------------------|--|--|--|--|--|
| AMS Standing Committee on New Skills |  AT | MAIN SKILLS ASSESSMENT/ANTICIPATION INITIATIVE | EDUCATION TRAINING EMPLOYMENT INNOVATION DIGITAL ECONOMY | UPSKILL OR RESKILL EMPLOYED ADULTS UPSKILL OR RESKILL NON-EMPLOYED ADULTS FACILITATE JOB / CAREER TRANSITIONS ADDRESS SECTORAL OR OCCUPATIONAL SKILL SHORTAGES ADDRESS MISMATCH BROADLY OTHER | DESIGNING TRAINING PROGRAMMES TO ACTIVATE UNEMPLOYED INFORMING DECISIONS ON COURSE FUNDING/PROVISION INFORMING AND TRAINING CAREER GUIDANCE AND COUNSELLORS INFORMING JOB-SEARCH DECISIONS OF UNEMPLOYED ENABLING STRATEGIC BUSINESS DECISIONS AT SECTOR/ENTERPRISE LEVEL OTHER |
| Implacement labour foundation |  AT | MAIN SKILLS ASSESSMENT/ANTICIPATION INITIATIVE | EDUCATION TRAINING EMPLOYMENT | FACILITATE JOB / CAREER TRANSITIONS | DESIGNING TRAINING PROGRAMMES TO ACTIVATE UNEMPLOYED |
| PES Skills Barometer |  AT | MAIN SKILLS ASSESSMENT/ANTICIPATION INITIATIVE | EDUCATION TRAINING | FACILITATE JOB / CAREER TRANSITIONS ADDRESS SECTORAL OR OCCUPATIONAL SKILL SHORTAGES ADDRESS MISMATCH BROADLY OTHER | OTHER |
| Competent based matching |  DE | MAIN SKILLS ASSESSMENT/ANTICIPATION | EDUCATION | UPSILL OR RESKILL EMPLOYED ADULTS | INFORMING THE DESIGN OF NATIONAL QUALIFICATION FRAMEWORKS |

Matching skills online tool

Competent based matching

Competent

POLICY INSTRUMENT

 BELGIUM

 PDF Version

Description


Country

 Belgium


Focus area

MAIN SKILLS ASSESSMENT/ANTICIPATION INITIATIVE


The Competent matching system is a database system. This system is the foundation for the competent based matching approach adopted by the VDAB. Employers provide information on vacancies and competencies they need. Employed adults can use the database to make a competency profile or gather information. Jobseekers can use the database to determine what competencies they need.

 Implementation level


REGIONAL

 Legal base

The most recent legal base for the initiative is to be found in the policy document 2019-2024 of the Department of Work and Social Economy (Beleidsnota 2019-2024 Werk en Sociale Economie)

 Starting period

2016

 Policy area

EDUCATION

TRAINING

Description

Skill mismatch

Methods

Stakeholders

Sustainability

[Other instruments in Belgium](#)



Skill mismatch

① Skill mismatch target

UNDERQUALIFICATION (INDIVIDUALS' QUALIFICATIONS/CREDENTIALS ARE BELOW THEIR JOB'S NEEDS)

SKILL GAPS (WORKER'S SKILLS ARE BELOW THE LEVEL OF PROFICIENCY REQUIRED BY THEIR EMPLOYERS AND JOBS)

SKILLS OBSOLESCENCE (SOME OR ALL OF AN INDIVIDUAL'S SKILLS ARE NO LONGER RELEVANT TO THE CURRENT EMPLOYER OR IN THE LABOUR MARKET GENERALLY)

① Skills matching focus

UPSKILL OR RESKILL EMPLOYED ADULTS

Employed adults can also use the database to make a competency profile or gather information on reskilling or upskilling based upon the vocational skill fiches as part of lifelong learning (levenslang leren).

UPSKILL OR RESKILL NON-EMPLOYED ADULTS

Jobseekers can use the database to determine what competencies they need (upskill, reskill) in order to qualify for a specific job and can communicate their competencies by making a competency based job profile for matching purposes.

ADDRESS SECTORAL OR OCCUPATIONAL SKILL SHORTAGES

Employers provide information on vacancies for the database and can use it to communicate what competencies they need.

① Skills delivered

JOB SEARCH SKILLS

CAREER MANAGEMENT SKILLS

Description

Skill mismatch

Methods

Stakeholders

Sustainability

Other instruments in Belgium

Competent based matching

Competent

POLICY INSTRUMENT


 BELGIUM



Skills To Advance.

n/a

POLICY INSTRUMENT

 IRELAND

Sectoral and occupational foresight mechanism (Foresight Lab)

Εργαστήριο πρόγνωσης και παρακολούθησης παραγόντων αλλαγής του παραγωγικού περιβάλλοντος κλάδων και επαγγελματών

POLICY INSTRUMENT

 GREECE

Methods

Methods

SKILLS FORECASTING

SOLAS hosts the Skills and Labour Market Research Market Research Unit, which produces the majority of majority of Ireland's labour market intelligence and skills data.

Use of skills intelligence

INFORMING DECISIONS ON COURSE FUNDING/PROVISION

ENABLING STRATEGIC BUSINESS DECISIONS AT SECTOR/ENTERPRISE LEVEL

SKILLS FORESIGHT

A wide array of foresight techniques are used, including in-depth sectoral studies, focus groups, expert panels, skills-focused analysis and roadmapping.

EXPERT PANELS

A wide array of foresight techniques are used, including in-depth sectoral studies, focus groups, expert panels, skills-focused analysis and roadmapping.

Please select the most important options and explain how the labour market information (LMI) has been used (maximum 50 words)

INFORMING THE DESIGN OF NATIONAL QUALIFICATION FRAMEWORKS (NQFS)

The Action contributes to the design of NQF through the updating of 10 occupational monographs and the delivery of 5 new occupational monographs.

DESIGNING STANDARDS AND ACCREDITATION

The Action contributes to the design of standards and accreditation through the delivery of 7 new certification schemes.

INFORMING DECISIONS ON COURSE FUNDING/PROVISION

The Action contributes to the design of training programmes through the delivery of 7 new training curricula.

ENABLING STRATEGIC BUSINESS DECISIONS AT SECTOR/ENTERPRISE LEVEL

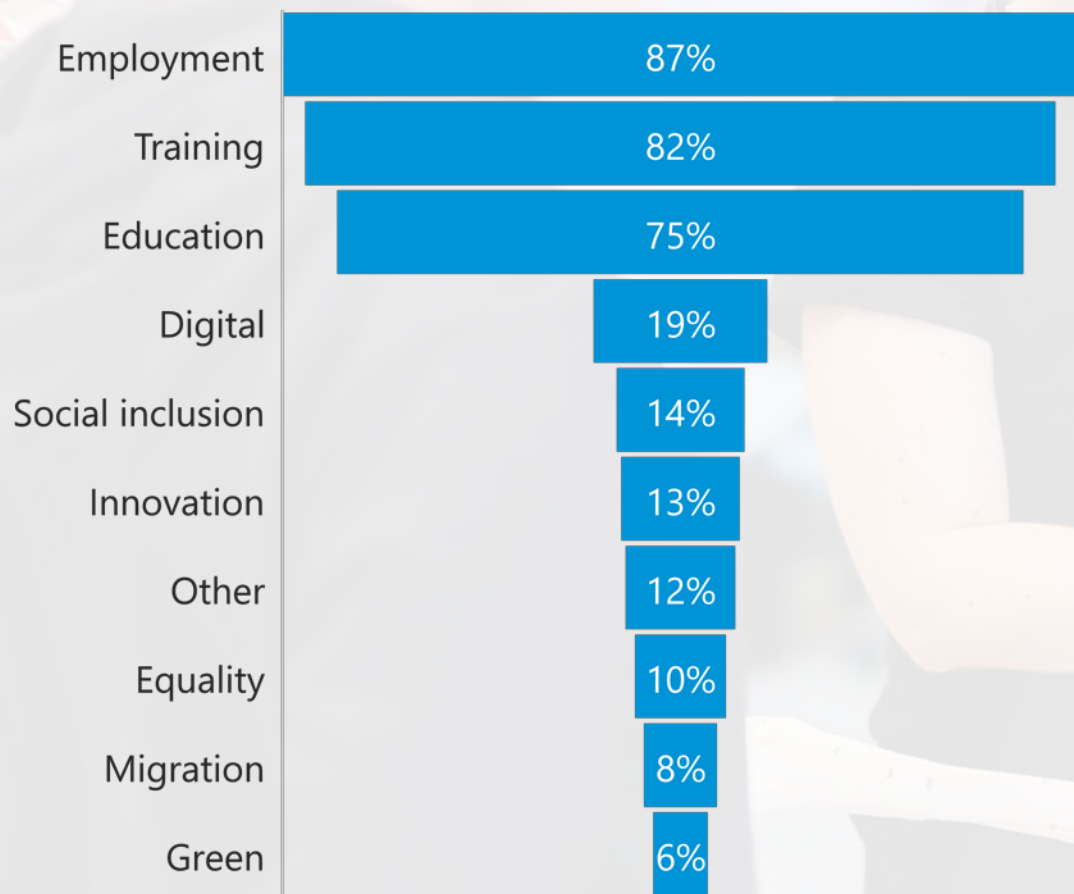
The Action contributes to the enabling of strategic business decisions at sector level through the delivery of 20 Road Maps.



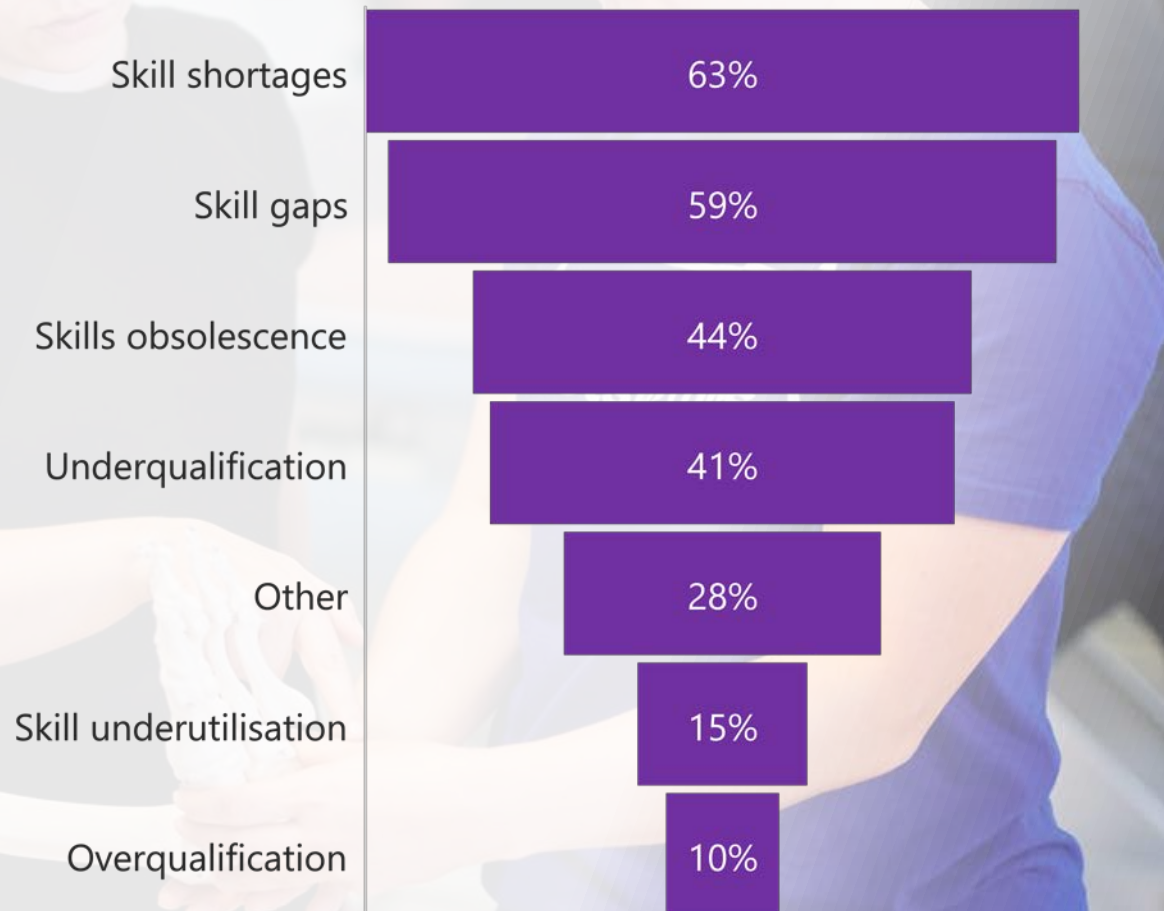
EU skills matching

Target areas

To which policy area does the initiative apply?

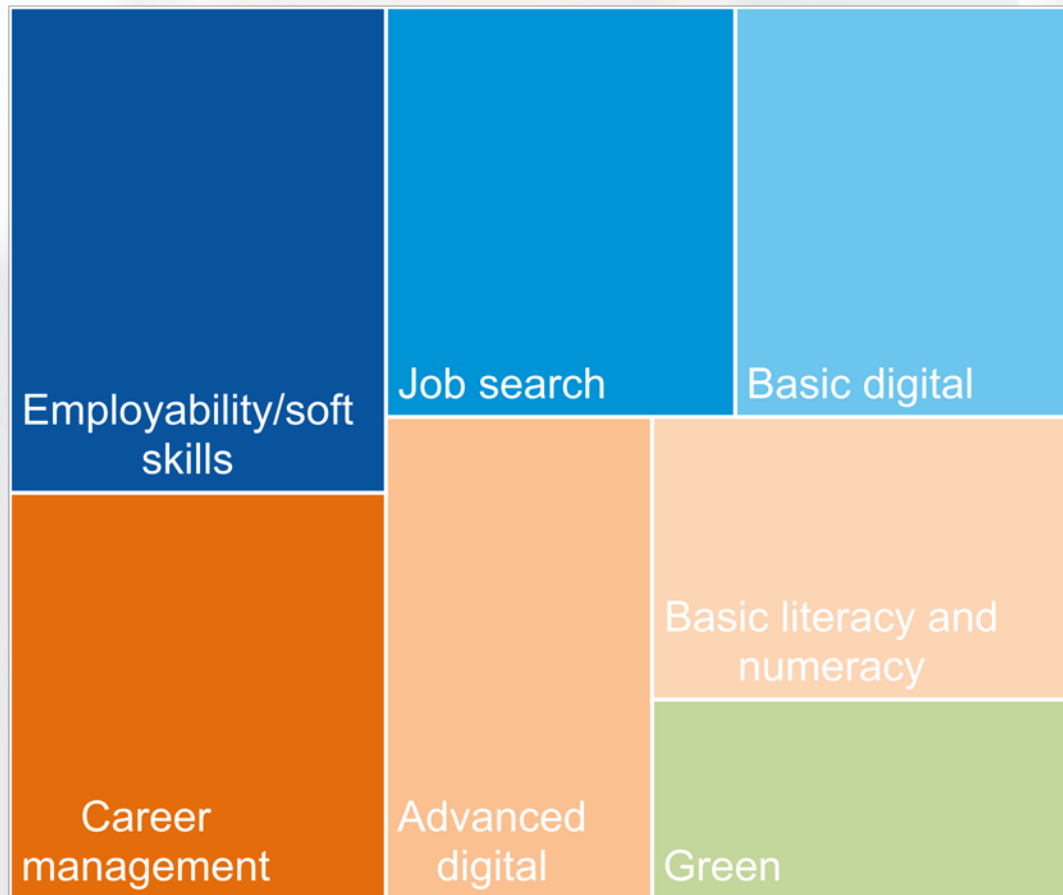


What type of skill mismatch does the initiative aim to address?

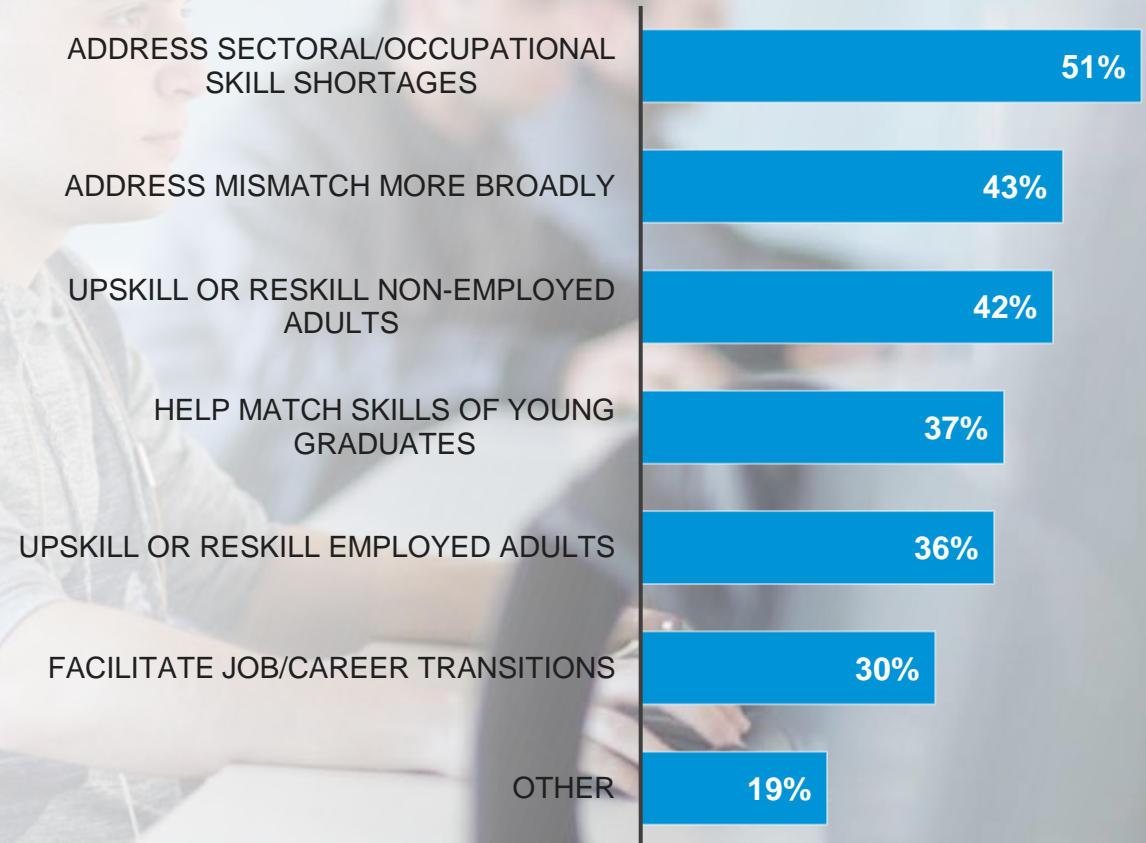


EU skills matching Channels

What type of skill does the initiative deliver?

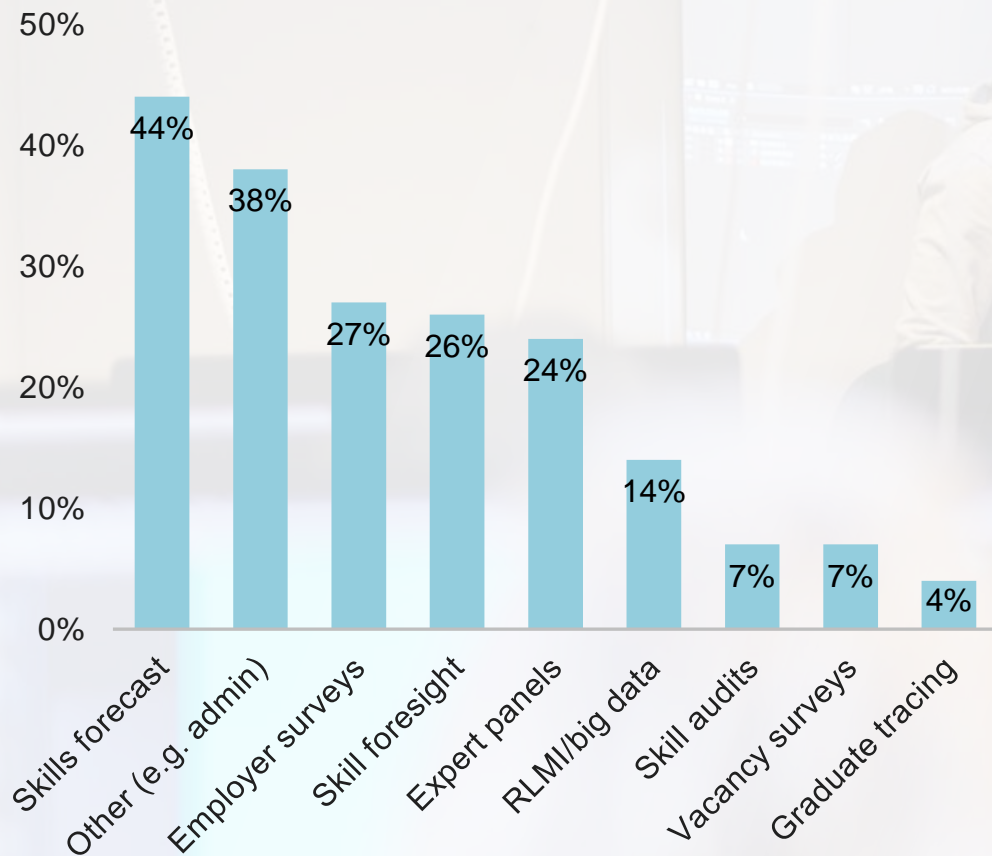


How does the initiative address skill mismatches?



EU skills matching Governance

Main method utilised for skills anticipation?



Which organisations have a role in the initiative?



Skills matching

main policy lessons

- Skill “deficiencies” remain primary target area (McGuinness, Pouliakas and Redmond, JES, 2018)
- VET policies becoming integrated with employment policy
- Social inclusion/equality/green transition not (yet) a target
- Focus on ‘external’ mismatch (e.g. vacancies, unemployed); less ‘on-the-job’
- Emphasis on ‘soft’ and digital skills
- Skill forecasts/surveys/administrative methods still dominant
- National ministries/agencies/PES at driving seat

Organisation

Resources

Stakeholders

Use of information
skills intelligence

Sustainability

Thank you



Inspiring skills matching policy

From evidence to action

Cedefop virtual get-together

17 October 2023
11.30-13.00 CET



For more information

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