



Labour Market Diagnosis in Greece

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Analytical tools for labour market monitoring and training programmes



Mechanism of Labour Market Diagnosis (MDAAE) under the auspices of M.E.K.Y.

Administrative and survey data:

- Employment & unemployment
 - Demand for technical skills

... by detail demographic characteristics and locality

Evidence-based policy design and implementation

The Mechanism can enhance the targeting, by identifying and prioritizing the groups and localities that can stand to benefit the most from or are in most need of ALMPs - training:

- ✓ the most dynamic/job-creating detail sectors and occupations
 - ✓ the incidence and duration of unemployment

... by educational level, occupational skill level, age, gender, Region, Regional Unit and Municipality In addition, the **Mechanism** can contribute to the design/**curriculum** of training programs by identifying through a new methodology:

✓ the cutting-edge technical skills
(ESCO, DYPA, ERGANI, ELSTAT, EUROSTAT)

... by sector, occupational skill level, Region, Regional Unit and Municipality



The Mechanism

Parameters

→ Trends

Skills

lews

Search...

Q



https://mdaae.gr/en/

Collection & visualization

of labour market data

A mechanism that answers questions about the labour market. A modern tool that makes important data for citizens, businesses, and agencies accessible.

THE MECHANISM



Integrating skills anticipation into our labour (and educational) policies

a. The Problem:

If you ask businesses what skills they need of their employees, in a survey, many of them cannot readily answer – they do not know exactly what skills, especially technical skills, they need – especially in countries like Greece, with many micro companies, lacking organized human resources departments.

b. Our Approach:

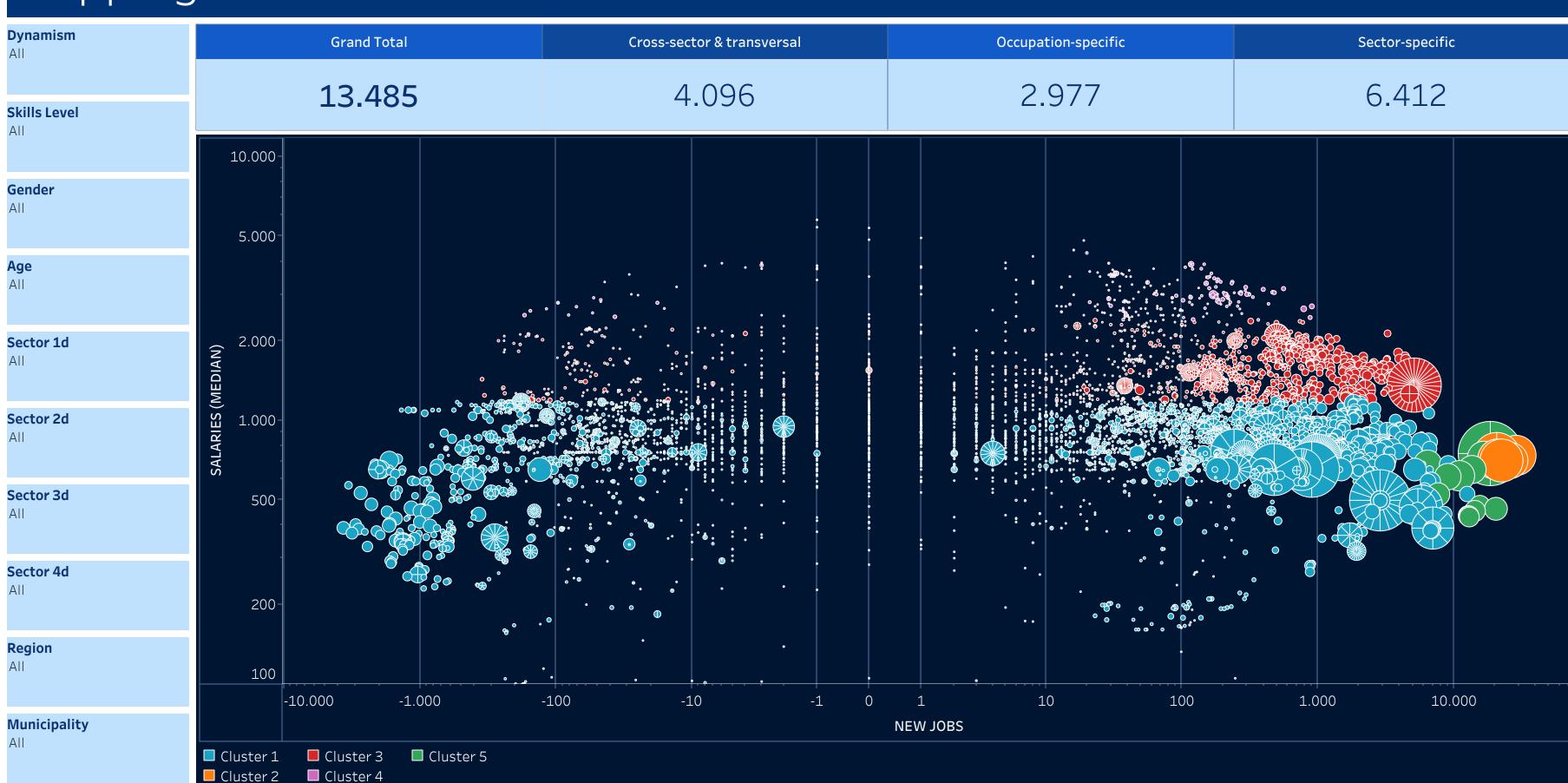
Use the power of advanced analysis and visualization software to harness skills information "hidden" in publicly available big and small data, by linking:

Detailed data-by-occupation

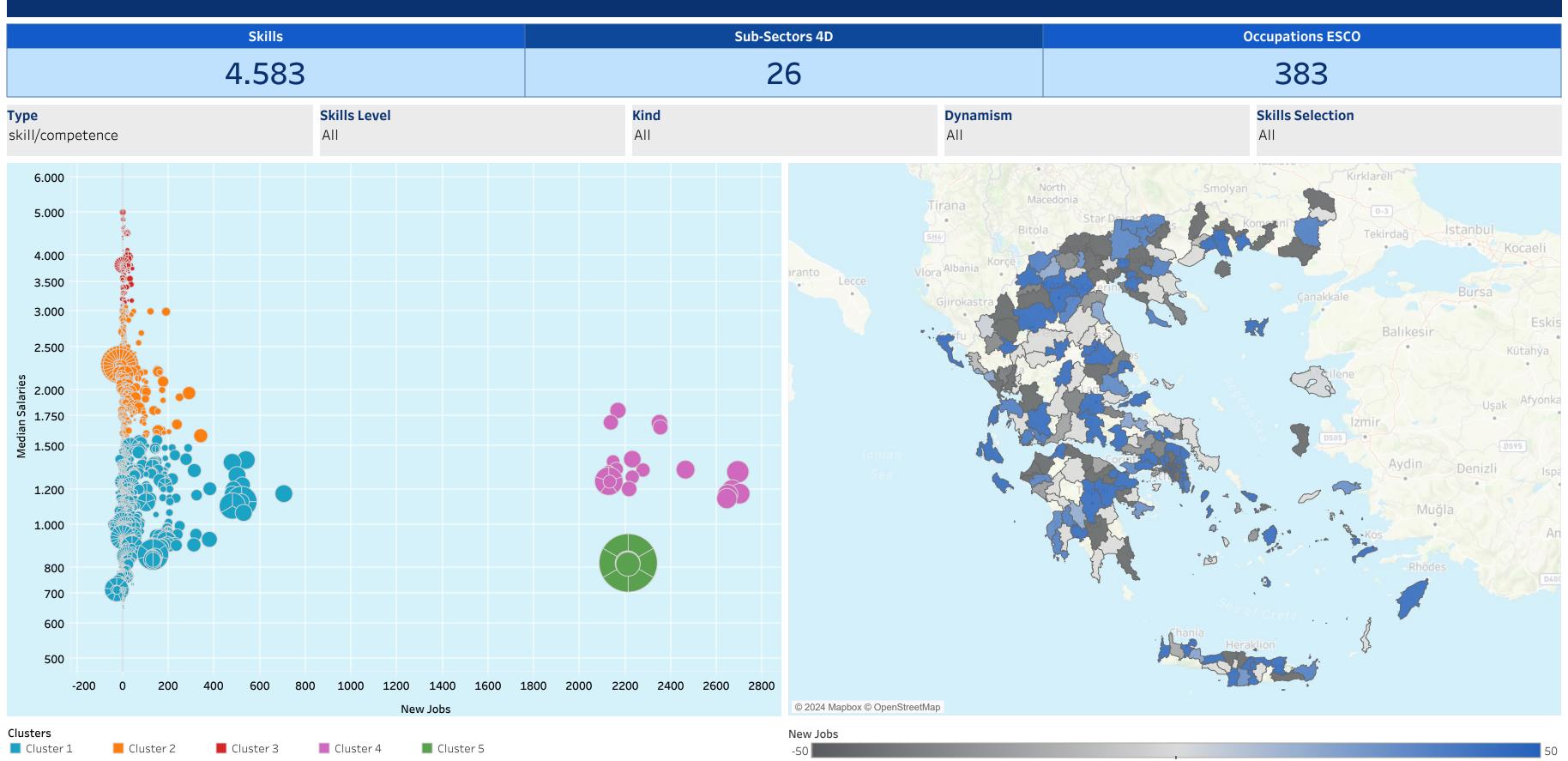
(job creation via LFS and Ergani, unemployment and vacancies via DYPA)

Skills-by-occupation data (via ESCO)

Mapping Demand for Skills in Greece



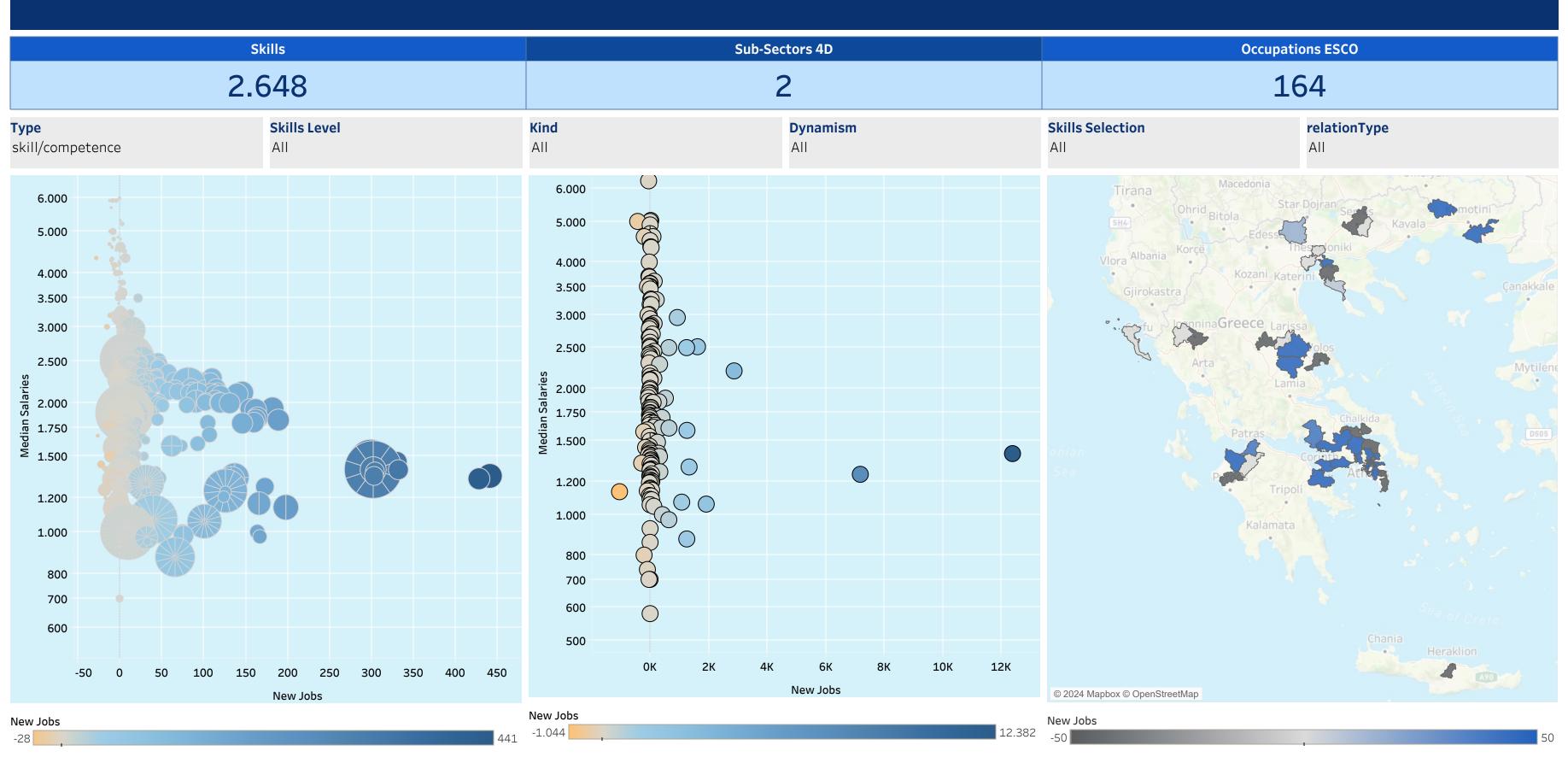
Information & Communication



Skills Evaluation by Information & Communication companies (Scale 0-10)

High Skilled Jobs		Medium Skilled Jobs		Green Skills	
Evaluation (Avg): 9,24 Skills: 33		Evaluation (Avg): 7,74 Skills: 23		Evaluation (Avg): 8,33 Skills: 9	
solve ICT system problems	10	communicate with customers	10	understanding the principles of sustainability	9
creating data models	10	use different communication channels	9		
translate requirements into visual design	10	respect for data protection principles	9	Adopting ways to reduce pollution	9
use object-oriented programming	10	maintenance of internal communication systems	9	ability to use green technologies	9
perform resource planning	10	handle mail	9	data analysis skill	9
design database scheme	10	use of office systems	8		
monitor system performance	10	use of office application software	8	cooperation skills	9
manage system testing	10	telephone communication	8	adopting ways to reduce pollution	8
manage standards for data exchange	10	dissemination of internal information	8	encouraging others to adopt environmentally friendly behaviours	
manage database	10	digital file management	8		
manage ICT legacy implication	10	converting keywords to full texts	8	adopting ways to protect biodiversity and animal welfare	7
interact with users to gather requirements	10	conducting an internet survey	8	comprehension of environmental issues	7
identify ICT system weaknesses	10	compilation of corporate emails			

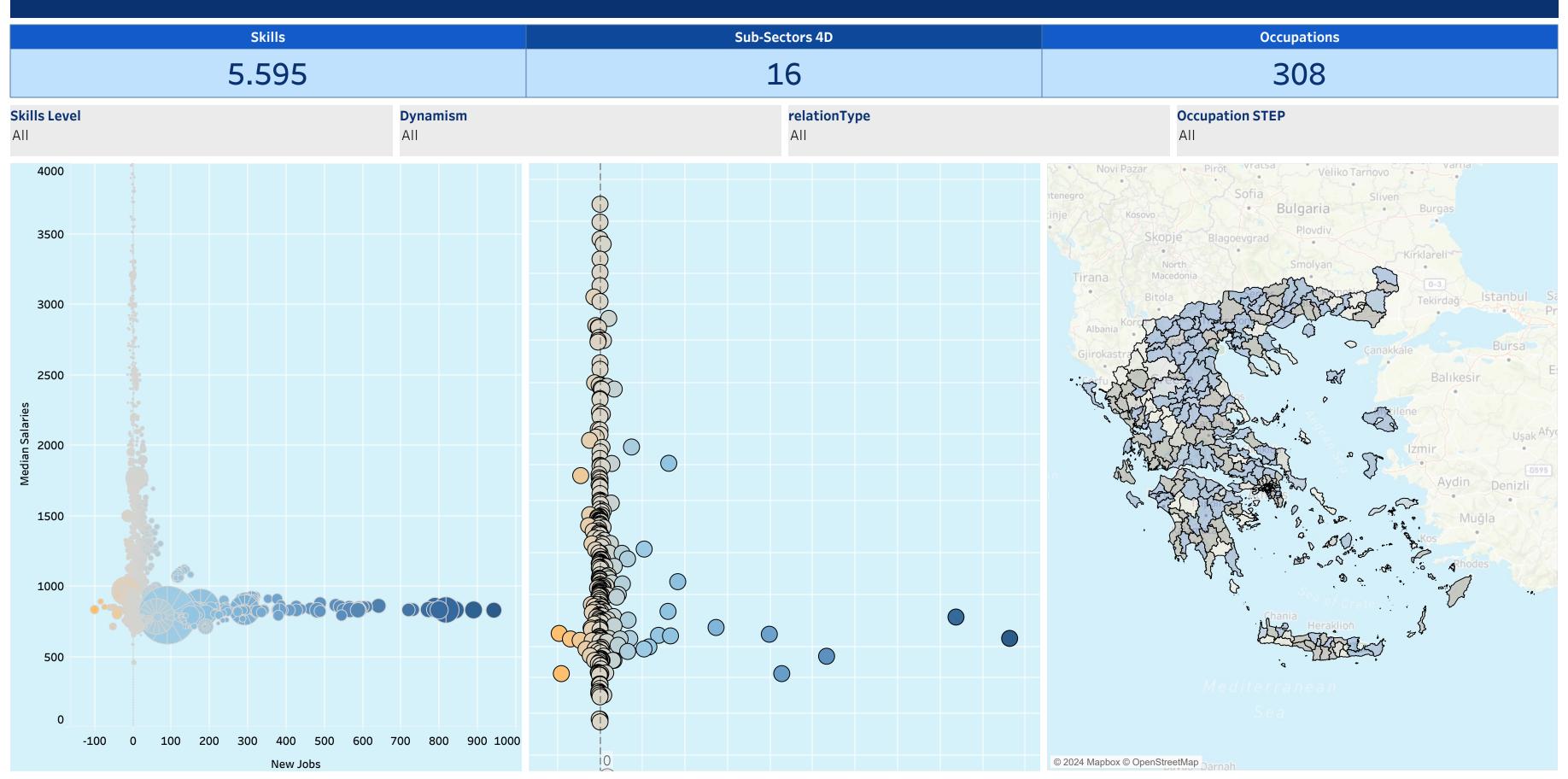
Manufacture of basic pharmaceutical products and pharmaceutical preparations



Skills Evaluation by Manufacture of basic pharmaceutical products and pharmaceutical preparations companies (Scale: 0-10)

Research and Development		Control and testing		Production	
Evaluation (Avg): 9,19 Skills: 23		Evaluation (Avg): 8,87 Skills: 23		Evaluation (Avg): 8,98 Skills: 33	
Work safely with chemicals	9,80	follow procedures to control substances hazardous to health	9,60	solve problems	9,80
use personal protection equipment	9,60	manage medication safety issues	9,60	work safely with chemicals	9,70
think analytically	9,55	apply safety procedures in laboratory	9,40		
Computer use	9,50	ensure pharmacovigilance	9,30	monitor quality standards	9,50
wear appropriate protective gear	9,44	perform scientific research	9,20	apply health and safety standards	9,40
perform laboratory tests	9,40	perform laboratory tests	9,18	handle chemicals	9,30
perform scientific research	9,36	apply scientific methods	9,09	advice on production problems	9,30
apply liquid chromatography	9,30	gather experimental data	8,90		
mix chemicals	9,30	test medicinal products	8,82	manage processes	9,20
apply scientific methods	9,27	evaluate scientific data concerning medicines	8,82	document analysis results	9,20
prepare chemical samples	9,20	adhere to organisational guidelines	8,80	troubleshoot	9,20
document analysis results	9,20	maintain adequate medication storage conditions	8,80	design process	9,18
manage chemical testing procedures	9,20	run laboratory simulations	8,80		0.10
record test data	9,20	maintain laboratory equipment	8,70	analyse production processes for improvement	9,10
use chemical analysis equipment	9.11	manufacture medicines	8.70	collaborate with engineers	9,09

Manufacture of food products



Integrating demand for skills in policy making



Strategy for Labour Force Upskilling and Connection to the Labour Market

Aims of the National Strategy

- An effective matching of supply and demand in the labour market, in terms of required skills
- Monitoring and identification of current occupational trends and skills that meet the needs of the labour market with an emphasis on green and digital growth
- Supporting the access of all without discrimination and exclusion to programs of continuing vocational training and retraining
- Promoting the active participation of the social partners in the design and implementation of programs of continuing vocational training
- Systematic measurement and evaluation of the outcomes of continuing vocational training, as well as effective quality control of the providers of continuing vocational training and the programs offered
- Evaluation and improvement of funding models for continuing vocational training by linking payments to providers of vocational training with their performance in terms of employability of beneficiaries
- Evaluation
 of the governance model
 of the Strategy for
 Labour Force Upskilling
 and Connection to the
 Labour Market

Current situation

- Low employment rate of the labour force
- Accumulation of workers in occupations requiring a medium level of skill
- High but falling unemployment rate
- Spatial and sectoral differentiations in the mix of skills required for the jobs offered

Challenges

- Ageing of the labour force
- Lag in high-skill jobs
- Underemployment and reduction of the labour force with tertiary education and above
- Mismatch between supply and demand
- Climate change, energy challenges and environmental degradation
- Digital transformation

Capacities

- Monitoring of the labour market and demand for skills
- Monitoring the dynamism of occupations and sectors
- Monitoring the course of the beneficiaries of the training programs in the labour market

Prospects

- Upgrading the digital skills of the labour force
- Upgrading the skill level of business jobs
- Upgrading business proficiency in green skills

Axes of the National Strategy

1

Transforming the labour market for creative use of labour force skills

- 2.
- Boosting innovation and business resilience by upgrading the digital skills of the labour force
- 3.
- Cultivating environmental awareness and promoting responsible environmental behaviour

- Promoting a circular economy and energy saving

4.

- 5.
- Reducing skills mismatches in the labour market with targeted skills enhancement actions at sectoral - occupational spatial level
- 6.
- Investing in occupations and skills of the future
- 7.
- Enhancing the horizontal skills of the labour force while connecting/ matching to the real needs of the labour market
- 8.
- Tailoring the actions of the Strategy to individual needs of beneficiaries, including persons with disabilities

Mechanism of evaluation and feedback of the National Strategy

Governance of the skills system of the labour force