TRAINEESHIP AT CEDEFOP

Would you like to gain professional experience in an international environment?

SKILLS AND LABOUR MARKET: DATA ANALYSIS

WHAT THE TRAINEESHIP IS ABOUT	
Department/Service	Department for VET and Skills Area: Skills and Labour Market Team/s: Skills and Work & Skills trends and intelligence
Project description	• **Second European skills and jobs survey (ESJS2):** Carried out in all EU Member States, the 2nd ESJS wave aims to inform the policy debate on the impact of new digital technologies and technological change on the future of work and skills, also in the context of the Covid-19 pandemic. The focus of the 2nd ESJS is on the relationship between technological change, changing job-skill requirements and skill mismatch of EU adult workers and their adaptiveness to such trends via remedial vocational education and training. • Cedefop Green Observatory presents the Agency's work on skills and jobs for the green transition. • Skills in online job advertisements (OJAs): offers detailed information on the jobs and skills employers demand based on online job advertisements (OJAs) in 28 European countries. It is powered by Cedefop's and Eurostat's joint work in the context of the Web Intelligence Hub.
Project outputs/outcomes	• **European skills and jobs survey:** The trainee will be expected to work on advancing Cedefop's knowledge of the determinants and interlinkages of the European twin transition, namely the move towards more digital and environmentally sustainable economies. To do so, the trainee is expected to merge relevant data on green skills in occupations with the ESJS2 microdata and explore the associations between so-called 'green jobs' and various indicators of digitalisation, skill needs and mismatches and continuing vocational education and training. The outcomes of the work will feed into a specific Cedefop research report. • Skills in online job advertisements (OJAs): The Skills-OVATE tool offers detailed information on the jobs and skills employers demand based on online job advertisements (OJAs) in 28 European countries. More

	information and relevant publications can be found [here]().
The trainee's main duties and tasks	- **European skills and jobs survey:** • Undertake descriptive data analysis using ESJS2 microdata. • Engage in the examination of variable associations between green jobs and other ESJS2 descriptive factors of EU economies' skill needs and job quality. • Undertake specific multivariate regression analysis focused on the determinants of green jobs vs. non-green occupations. • Draft specific sections of a dedicated Cedefop research report, describing the main outcomes of the analysis. - **Online job advertisements (OJAs)** • Help in creating visuals based on OJA analysis; • Help in preparing analysis based on raw text of online job advertisements NLP sample (e.g. education variable, micro-credentials) Depending on trainee's skills, tasks may concern: • development of new types of analytical products based on online job advertisement data
Expected learning outcomes	- Gain experience in: • analysis of socio-economic data; • working with Big Data; • working with statistical/survey data; • quantitative analysis; • developing data-based visualisations; • developing content for online platforms. - Better understanding of labour market analysis and use of skills intelligence in policy making; - Better understanding of the factors associated with or inhibiting the European twin transition.
ESSENTIAL REQUIREMENTS	
Academic background	• MSc or PhD (in progress or completed) in economics, data science or in applied statistics • Strong quantitative skills (data handling / statistical analysis); • Educational background and/or interest in labour market analysis; • English C1 level;

	• ICT literacy
DESIRABLE	
Experience/exposure	• Knowledge of STATA • Knowledge of R-cran or Python • Knowledge of Tableau

ATTENTION

Deadline for the submission of applications:
Thursday 16 March 2023 at 13:00 Greek time (CET+1)

Only applications submitted online will be accepted