



VOCATIONAL EDUCATION AND TRAINING AND THE GREEN TRANSITION

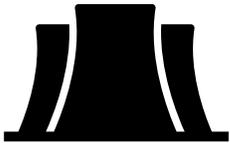
DUBROVNIK, 14 OCTOBER 2024

WORLDSKILLS CROATIA CONFERENCE

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VET and the green transition



There are around 117 thousands people employed in the heat pump industry in the EU



Minimum of 500,000 skilled employees will be needed by 2030*

*Wanted: half a million heat pump workers - European Heat Pump Association

**<https://www.rewiringamerica.org/newsletter/100-000-jobs-90b-in-investment-and-a-heat-pump-telling-you-he-loves-you>

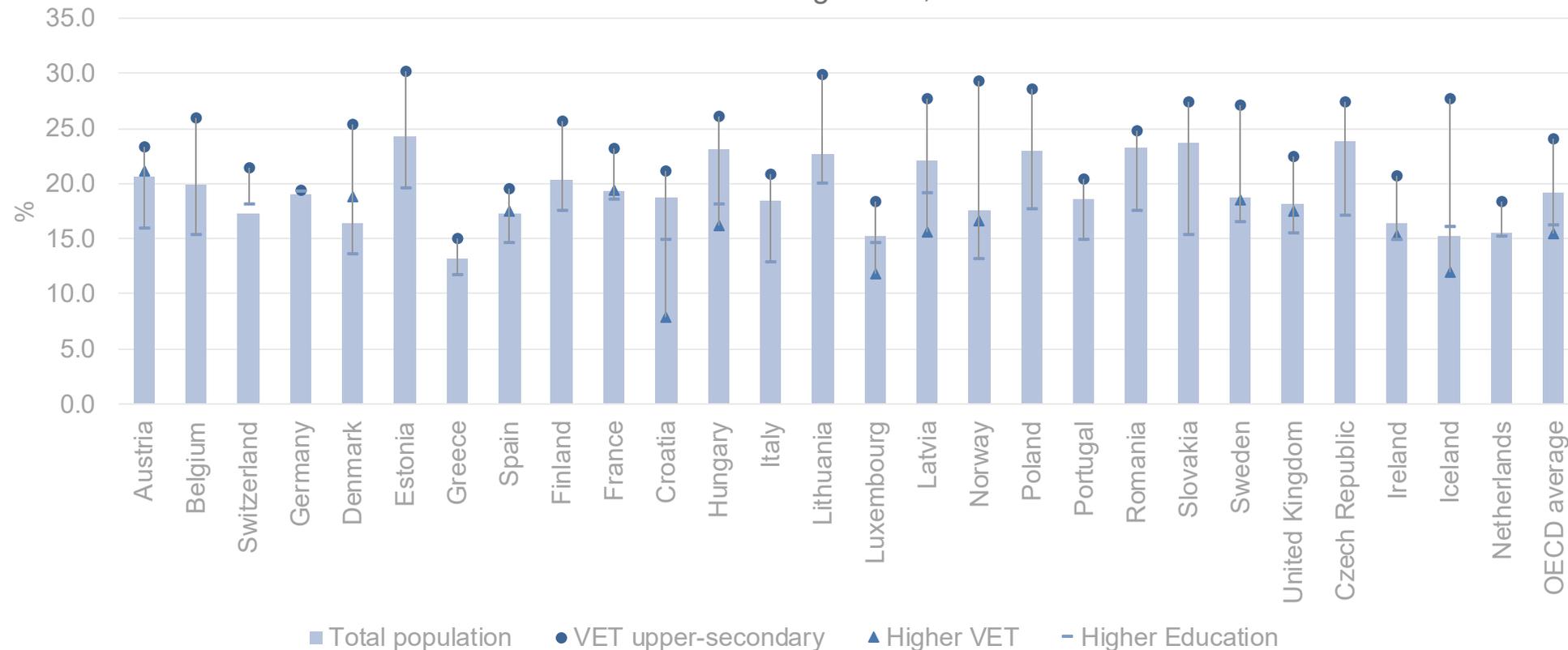
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VET and the green transition

VET graduates are more likely to work in green occupations than individuals with other qualifications

Share of workers in green occupations, by educational attainment
Individuals below the age of 35, 2014-2022

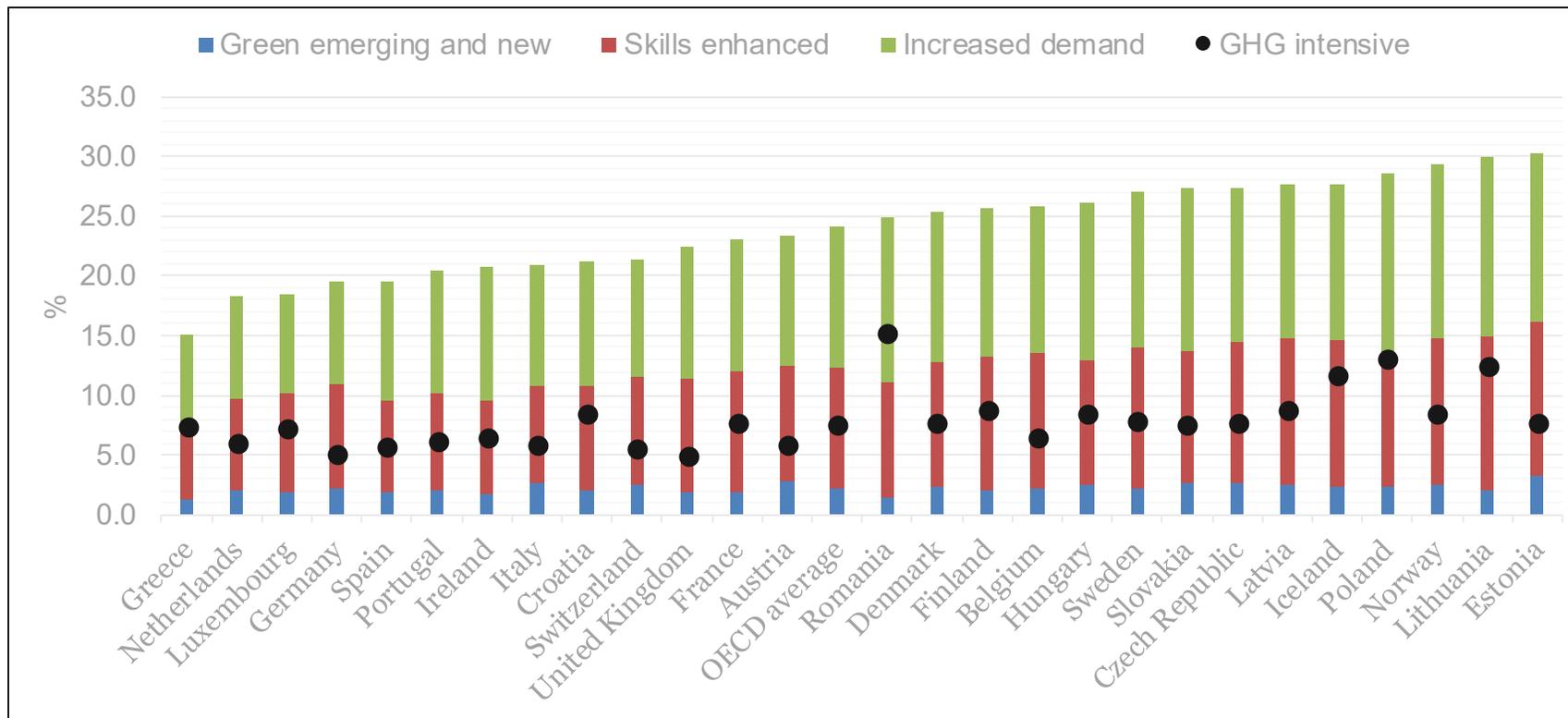




VET and the green transition

VET graduates mainly work in existing jobs affected by the green transition. They are also more likely to work in high emission jobs.

Share of upper-secondary VET graduates in green-driven and GHG-intensive occupations
2014-22, population below the age of 35



Existing increased demand green jobs
\$

Existing skills enhanced green jobs
\$\$

New green jobs
\$\$\$



VET and the green transition

What are the policy implications?



Supply of skills

YES

YES

Change of content



VET and the green transition: Aligning provision with green job needs

DENMARK : THREE VET CLIMATE/GREEN SCHOOLS

“As a climate VET school, we must attract and educate students and semi-skilled workers who are ready to contribute to the green transition”

edsvsning/regeringen-udpeger-rybners-til-klimaerhvervsskole?PID=14951&...   

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The government appoints Rybners as a climate business school

16.09.2024

The Danish vocational schools must be at the forefront of the green transition, which is why the government has appointed three new climate business schools. Rybners has been appointed a climate business school for the transformation of the energy sector.



There is a great need for electricians, blacksmiths and plumbers if Denmark is to achieve the

A strong alliance brought the climate VET School for the Transformation of the Energy Sector to Esbjerg. It included municipalities in the area, other VET schools, adult education institutions, all the higher education institutions in Esbjerg, more than 250 companies and the Green Skills collaboration with the social partners.

Rybners receives funding to develop and disseminate **new teaching courses** and to initiate **experiments with the development and testing of new vocational and labour market training programmes and subjects.**

The school will also develop continuing education **courses for teachers** at the country's other vocational schools within the competencies needed in companies in the energy sector, e.g. in heat pumps, solar cells, energy technology or in offshore, wind and safety courses.



VET and the green transition: summing up

Topics we look at

- ✓ Industry sectors with the highest share of green jobs
- ✓ Participation in training
- ✓ Green and high emission jobs by gender
- ✓ Transversal skills facilitating transition to green jobs
- ✓ Contributions of different VET programmes to the green transition

and policy solutions

- ✓ Flexible provision
- ✓ Use of partial qualifications / microcredentials
- ✓ Evaluation of skills required for the green transition
- ✓ Information on training opportunities in career guidance
- ✓ VET teachers and trainers



More to come!

THANK YOU!