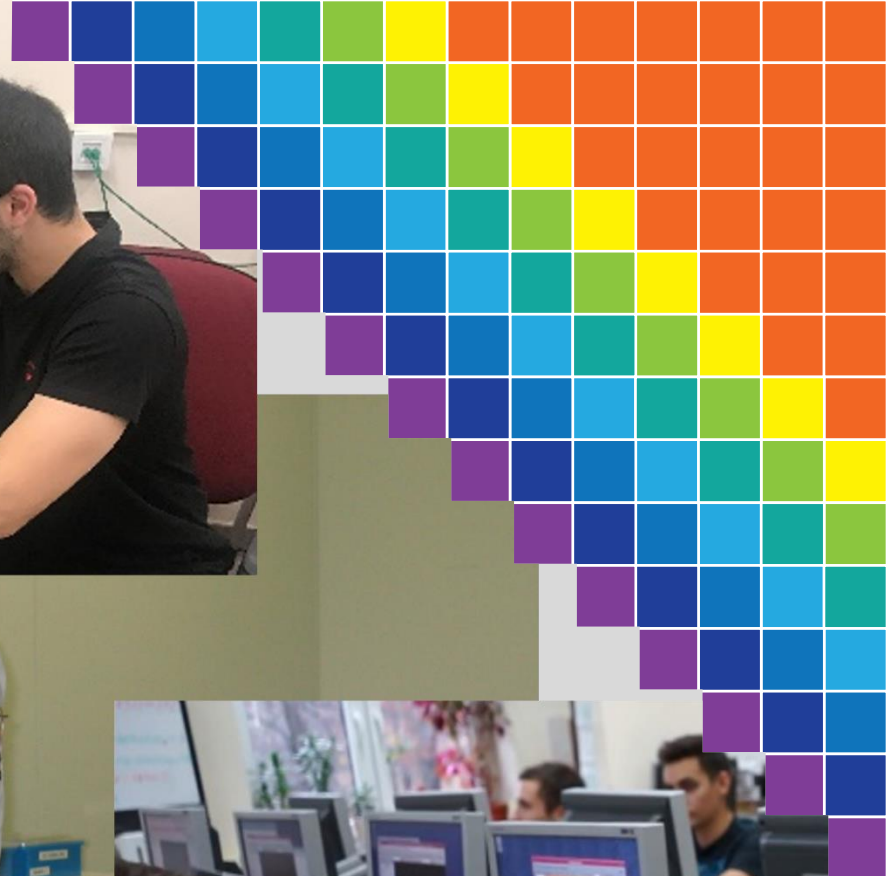
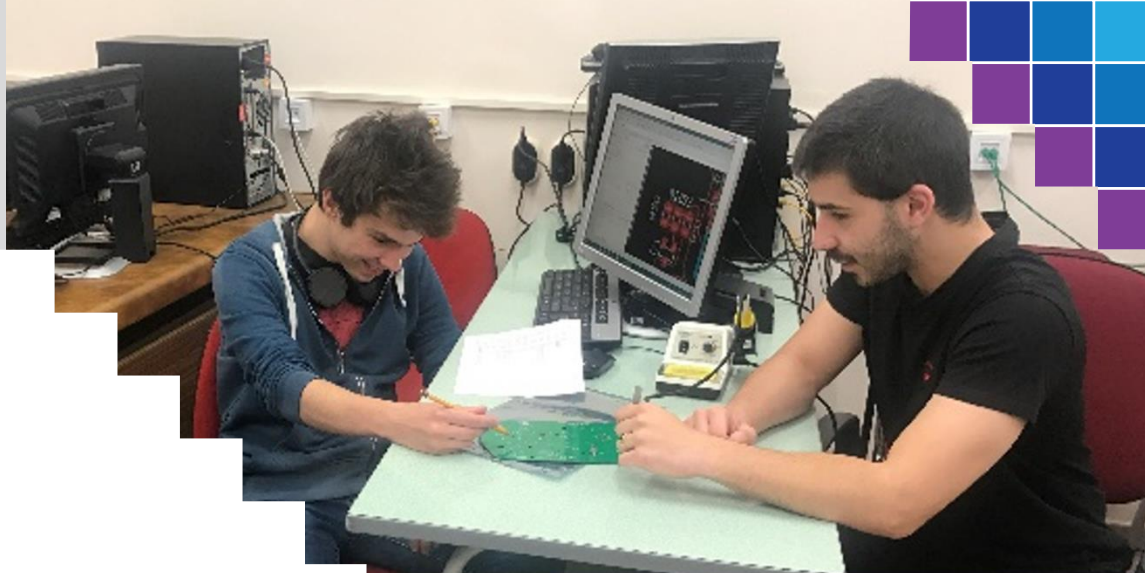


QA Measures and Instruments

CoVEs in Microelectronics



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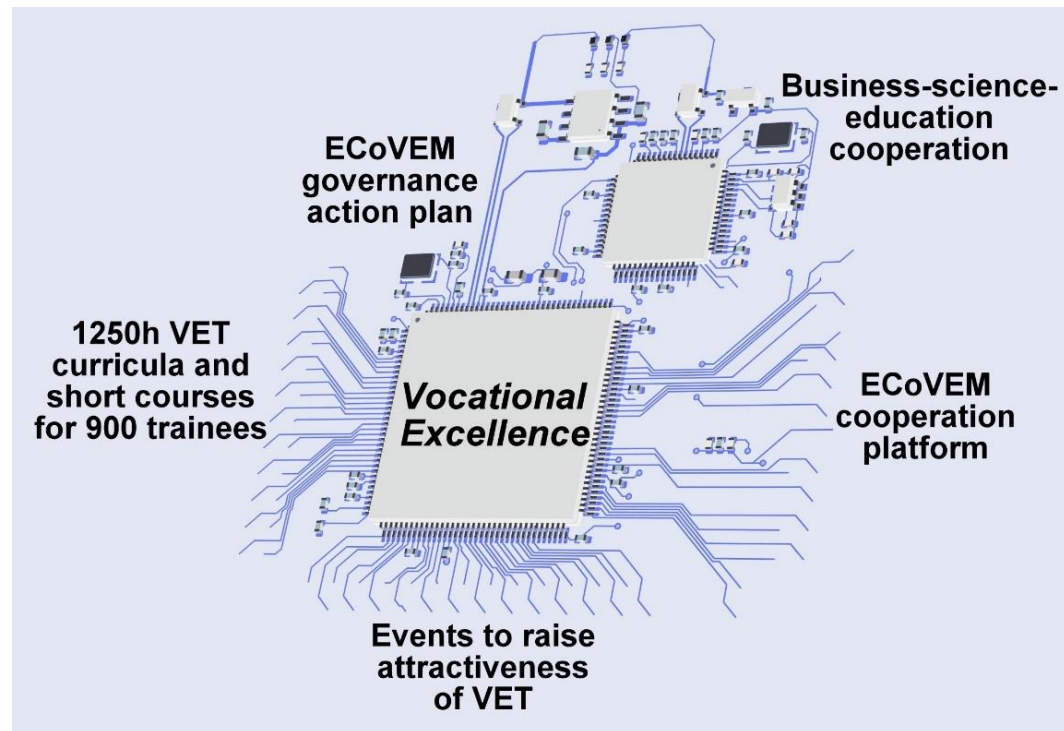


European Centre of Vocational Excellence in Microelectronics

European Vocational Education Area with shared OERs, improved virtual mobility of students and academic staff and integrated programmes of study, training and research.

VET capable to train people with life-long capacity to self-regulate learning, in order to adapt continuously at rapidly changing environments.

Implementation of the advanced countries' best practices and approaches to excellence in VET into less advanced regions.



More responsive VET to the fast-changing skills need of the labour market.

Higher employment of graduates, better opportunities for research and innovation of enterprises.

Efficient financial models for VET with work-based training and apprenticeship, and for investment in VET and applied research.

Raised role of VET in Smart Specialisation Strategies.



ECoVEM Consortium

CoVEs in iVET and in cVET



Organisations Working on Social Inclusion and Reintegration



Key Industry Stakeholders



National and Regional Authorities





QA and Evaluation Teams in ECoVEM

Internal Committee

- WorkGroup on QA
- Institutional QA at each VET provider

External Committee

- Associated partners:
- Companies interested in the project (e.g. Infineon AT)
 - Other CoVE networks (e.g. KATAPULT)
 - Experts in educational sciences and QA of educational systems

External evaluator

- Subcontracted expert in microelectronics and VET project management evaluation

Policy makers

- National directorates of VET
- EACEA

Osnabrück Declaration on vocational education and training as an enabler of recovery and just transitions to digital and green economies

Objectives of CoVEs
for the next 5 years

QA measures and instruments





1. Agile VET in adapting to labour market changes

- Skills/needs analysis of labour market – continuous survey and analysis of job offers in the sector; results analysed every 6 months
- Collaborative development and implementation of courses: involvement of professionals from enterprises in teaching; work-based training

Instruments

- skills analysis survey
- Interviews
- peer review by industrial partners
- feedback from alumni of VET providers



2. Lifelong Learning Culture - Relevance of cVET and Digitalization

- Implementing new teaching methods: project based learning; internet-based performance support systems; life on-line teaching for interactivity
- Tackling non-discrimination and social inclusion in cVET focusing on the gender dimension of employability in the sector and VET for immigrants
- Motivation and regular re-training of teachers and trainers

Instruments

- expert review of pedagogical aspects
- peer review of contents
- questionnaires for measuring satisfaction of trainees, teachers, employers, and social partners



3. Sustainability – a Green Link in VET

- Training module in green and circular economy for each VET curriculum in microelectronics and
- Entire curriculum in “green microelectronics”

Instruments

- expert review of contents
- peer review by stakeholders as green organisations
- questionnaires for measuring satisfaction of trainees, teachers, employers and social partners



4. European Education and Training Area - international dimension of VET

- Database of best practices from all participating countries
- ECoVEM platform – European platform for VET in microelectronics
- *Mobility of VET students and teachers*

Instruments

- analysis of the exchange of best practices and their implementation rate
- peer review by external to ECoVEM VET centres
- questionnaires and interviews for measuring satisfaction of trainees, teachers, employers and social partners



Example: ECoVEM Business-Science-Education Cooperation Plan

The ECoVEM action plan for Business-Science-Education (BSE) cooperation defines the directions and activities for strengthening VET as an enabler of upskilling and reskilling, sustainable development, digitalisation and resilience.

- Facilitate innovations in VET (information on VET initiatives and opportunities for qualification, for new jobs, for financing opportunities, for mobility schemes and projects etc.);
- Provide examples of good practices;
- Propose solutions to overcome deficiencies in VET provision;
- Contribute with new courses on new technologies, green energy and with digital provision;
- Work with VET policy makers for excellence in VET.





Structure of the BSEC Action Plan

- Actions for VET responding to the needs of business including involvement of industrial partners in teaching/training
- Work-based VET and apprenticeship
- VET centres acting as entrepreneurial incubators and catalysts for investment
- Common research strategy: collaborative projects, including sharing of laboratory equipment and BSE cooperation for regional development, innovation and/or smart specialisation strategies.
- Actions responding to economic challenges and supporting the transition to a circular and greener economy to meet emerging professional needs for green skills and sustainable development including actions responding to technological challenges as digitalisation, smart houses and vehicles etc
- Business-science-education networking events



Let's enjoy our collaboration towards excellence in VET!

**Labour
market
needs**



**Best
practices**



Digitalisation



Thank you



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