Co-funded by the Erasmus+ Programme of the European Union

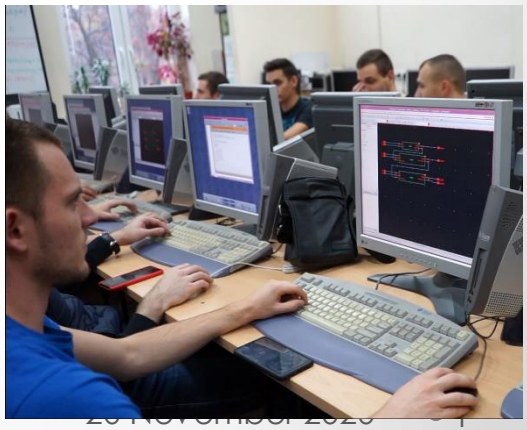
ECOVEM
European Centre of Vocational Excellence in Microelectronics

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620101-EPP-1-2020-1-BG-EPPKA3-VET-COVE
(2020 – 2024)



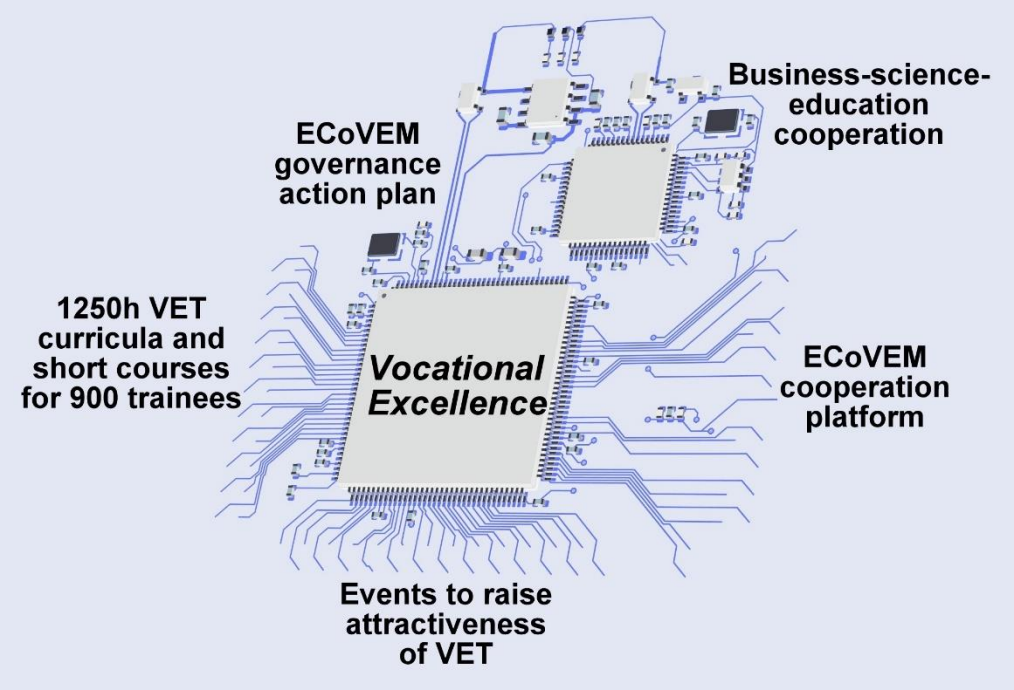




European Centre of Vocational Excellence in Microelectronics

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.



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

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

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

Efficient financial models for VET including work-based and apprenticeship and for investment in VET and applied research.

Raised role of VET in Smart Specialisation Strategies.

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ECoVEM Consortium

CoVEs in iVET and in cVET

Socios clave de la industria

Organizaciones en inclusión social y reinserción

Autoridades nacionales y regionales

Objectives

- **Networking of CoVEs**, industrial and social partners to share ideas, and experiences towards vocational excellence in microelectronics.
- To develop **innovative VET curricula for EQF 3 to 8** in Microelectronics in collaboration with companies and social partners.
- To disseminate the microelectronics achievements in digitalisation, green energy, robotics, space technologies and medicine **to raise the attractiveness of VET and microelectronics** through open days, international schools and competitions.
- To ensure **sustainable governance at national and EU levels**.
- To tackle non-discrimination and social inclusion in VET focusing on the **gender dimension of employability** in the sector and **VET for immigrants.**

Main Outcomes

- Business-science-education cooperation for work-based training and research apprenticeship
- 42 innovative training courses in microelectronics and its applications for EQF levels 3 to 8 developed, with a total duration of 5201 hours.
- The courses have modular structure with specific content and complexity for the different EQF levels, totalling 227 modules.
- Industry input has been instrumental, infusing real-world relevance and practical insights into the curriculum.

Main Outcomes

- Guidelines for innovative learner-centred VET developed and teacher training seminars organised for:
  - project-based learning,
  - simulation-based learning,
  - remote and virtual laboratories,
  - performance-centred approach for teaching,
  - micro-learning and open courseware.
- Pilot test involved more than 900 trainees and resulted in 701 trainees completing the courses.

Main Outcomes

- The surveys for trainee's satisfaction was answered by 469 participants.
- The strong points :
  - practical work and exercises;
  - very motivating project-based modules;
  - clarity, progressiveness;
  - interactivity, up-to-date information, aligned with industry and market needs etc.
- Suggestions for improvement:
  - more practical work and projects in some courses;
  - more time for learning;
  - need of self-assessment tests;
  - more internship opportunities.

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Main Outcomes

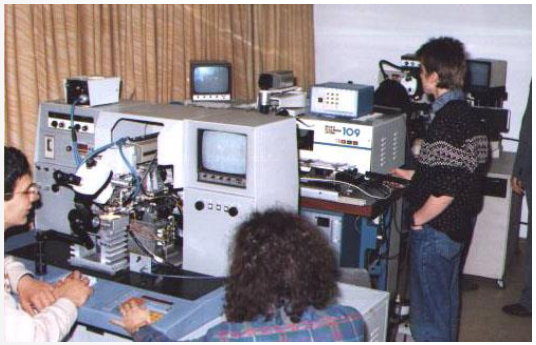
- Multiple events were held to enhance the attractiveness of VET in microelectronics including open days, skills competitions and Olympiads.

Film for attracting people to microelectronics education and training:

https://www.youtube.com/watch?v=uTVhTfg9TQc

ECoVEM project

Let's enjoy our collaboration towards excellence in VET in microelectronics!







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