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European Centre of Vocational Excellence in Microelectronics

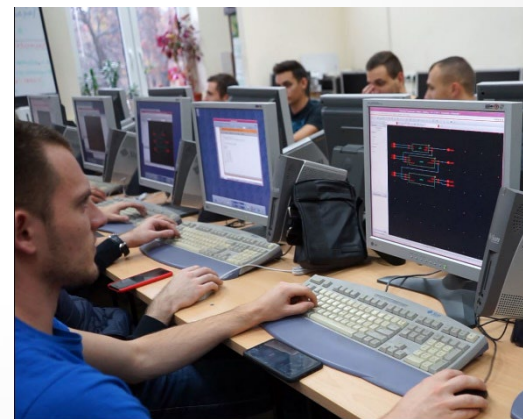
<https://ecovem.eu/>

**Programme: KA3 Support for Policy Reform
Centres of Vocational Excellence, (2020 – 2024)**

*Presented by: Dr Gregory Makrides
President - EACG*



● ECoVEM project



Objectives

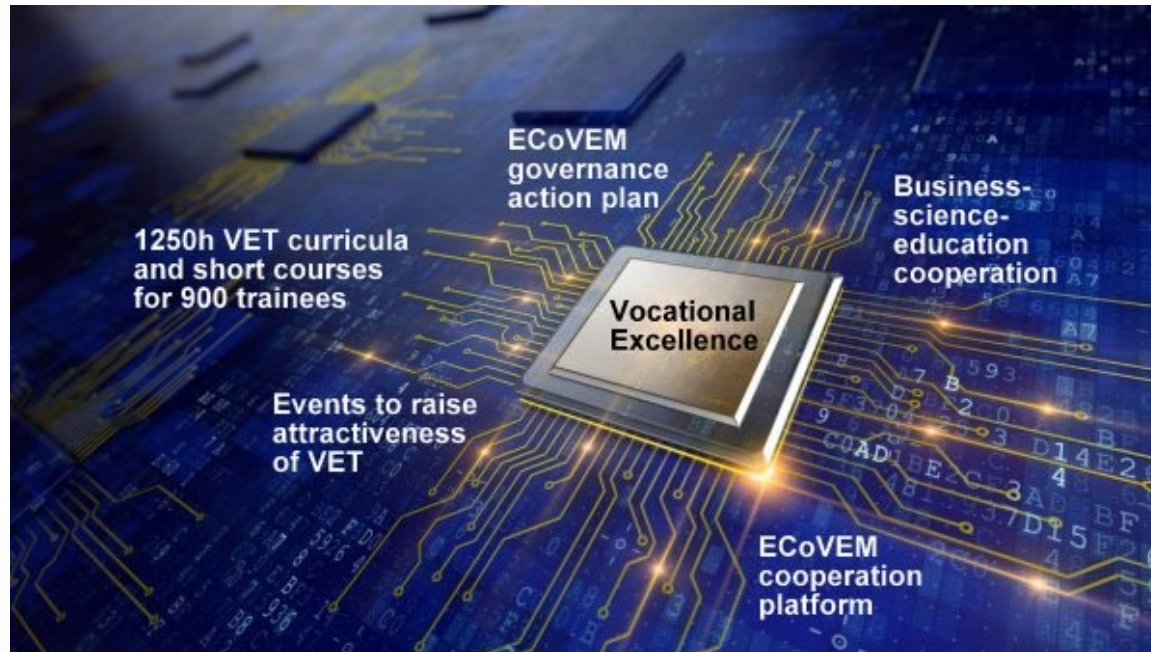
- **The Networking of CoVEs**, industrial and social partners to share ideas, and experiences towards vocational excellence in microelectronics.
- To develop **innovative VET curricula for EQF 3 to 8** in Microelectronics in collaboration with companies and social partners.
- To disseminate the microelectronics 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**.

European Centre of Vocational Excellence in Microelectronics Outcomes and Impact

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 including work-based and apprenticeship and for investment in VET and applied research

Raised role of VET in Smart Specialisation Strategies

Main Outcomes

- ECoVEM cooperation platform
- Business-science-education cooperation for work-based training and research apprenticeship
- VET curricula and short courses for EQF 3 – 8, 1250 hours, 900 trainees
- Summer campuses, open days, skills competitions to raise attractiveness of VET
- ECoVEM Governance Action Plan including a **certification path**.

The project main activities of 3rd year implementation (Nov. 2022 to Oct. 2023)

- The design of further training
- Preparation of plan for the pilot test and field trial (ready in Nov. 2022)
- Partners delivering training (from Dec. 2022)
- In parallel the development of the courses until March 2023

The project main activities of 4rd year implementation (Nov. 2023 to Oct. 2024)

- Pilot test and field trials by the end of Nov. 2023
- Evaluation and Quality Control (strengths and weaknesses in teaching)
- Evaluation results and feedback
- Reports (Quality, Dissemination reports (April 2024)
- Exploitation report (Sept. 2024)

ECoVEM Consortium



CoVEs in iVET and in cVET



Organisations Working on Social Inclusion and Reintegration



National and Regional information centres/associations





Microelectronics Training, Industry and Skills

Implementation period: November 2019 – October 2023

<https://www.metis4skills.eu/>

The Project

METIS implements a **new strategic approach** to sectoral cooperation on skills for microelectronics by involving the **key players across industry, education & training and regulatory/certification bodies**

21/09/2022

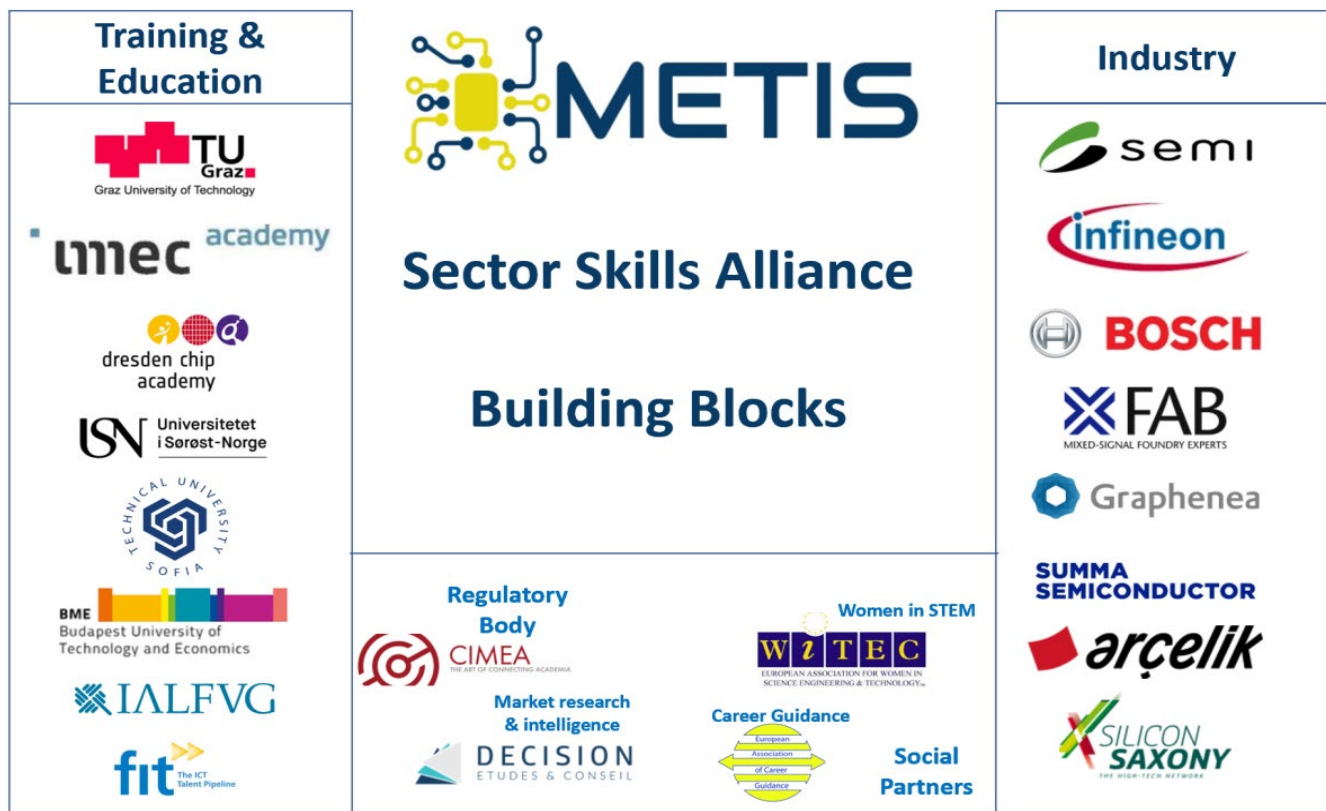


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This project is funded by the European Union.



MicroElectronics Training, Industry and Skills



21/09/2022



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Objectives

- Develop the **Microelectronics Sector Skills Strategy** to help match demand and supply of skills in Microelectronics
- Define and refine **occupational profiles** based on existing competence frameworks and the ESCO classification system of skills, competences, qualifications and occupations
- Introduce innovative learning-outcome-based on **VET curricula** jointly developed by **industry & education**
- Benchmark and align the **METIS curricula and training** with ESCO, EQF and EQVET principles of quality and relevance
- Enhance the visibility of the microelectronics sector as a **professional option**
- Ensure durable impact and sustain project results beyond EU co-financing, through the **establishment of the Microelectronics Observatory & Skills Council**

Deliverables

- EU Sectoral Skills Strategy (identify trends, challenges, opportunities for skills development, anticipate skills and define occupational profiles)
- Design Innovative Training + Certification
- Develop Metis Skills Passport, Europass and EURES
- Deliver the Metis Curriculum and Training
- Establish the Microelectronics Observatory and Sector Skills Council