

GREEN TRANSITION FOR VET



The GreenVET Instructional Design and Pedagogical Framework report outlines a framework for integrating green skills into vocational education and training (VET) within the Installation, Maintenance, and Repair (IMR) sector. This initiative, supported by the Erasmus+ program, seeks to align VET with sustainability priorities and labor market needs, especially as they pertain to environmental and Climate Change issues.



GreenVET aims to foster sustainable practices in VET by developing a digital training program that incorporates gamification. This interactive training will educate IMR workers on green skills essential for sustainable practices, with a “GreenVET” badge awarded upon completion. This badge incentivizes both workers and companies to embrace environmental responsibility and positions VET as an influential sector in the green transition across five European partner countries.



The project identified national-level priorities and gaps in green skills training, pointing to areas like limited funding, regulatory obstacles, and a lack of green expertise among current VET instructors. Key barriers include the disconnect between industry requirements and VET offerings and a general lack of awareness about environmental issues. However, the report highlights opportunities such as integrating green curricula, increasing technology use, and encouraging experiential learning.



Module's Structure



Sustainable Materials and Resources

Covers sustainable material selection, lifecycle analysis, and efficient use of renewable resources.

Sustainable Practices in IMR Companies Focuses on green business models, corporate social responsibility, and environmental regulations.



Climate Change Mitigation and Adaptation

Addresses climate science, greenhouse gas reduction, adaptation strategies, and related policies.

Green Technologies and Innovations

Explores advancements in sustainable technologies and innovation for the green economy.



The framework aligns its learning outcomes with the GreenComp (EU's sustainability competence framework), which provides a standardized structure for green skills. GreenComp's four areas—embracing sustainability values, envisioning sustainable futures, complexity in sustainability, and acting for sustainability—guide the design of competencies, which are tailored to the GreenVET modules to ensure relevancy and practical application for VET students. This ensures learners develop interdisciplinary skills such as critical thinking, systems thinking, and adaptability, which are essential for addressing complex sustainability challenges.



GreenVET leverages active learning and gamification, moving away from traditional passive learning. Through interactive activities, simulations, and real-world problem-solving, learners are immersed in practical, engaging scenarios. The gamification strategy is carefully designed to avoid superficial approaches (e.g., point-scoring alone) by focusing on user motivation, iterative feedback, and behavior change principles that are proven to improve learning outcomes.



GreenVET's framework not only addresses immediate training needs within the IMR sector but also sets a foundation for expanding green skills across VET programs in other sectors. This initiative supports the transition toward a green economy and demonstrates the role of VET in fostering sustainable labor practices. The report underscores the project's role in shaping a sustainable culture within industries, ultimately benefiting both workers and companies through new job opportunities and economic growth in green sectors.

