



Microcredentials for Renewable Energy Technicians



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01. ● About the Project

About the Project

The **MiCRET** project focuses on the development, piloting, and validation of a coherent and sustainable framework for microcredentials supporting both the digital and green transitions. **Our approach emphasizes the integration of microcredentials into national VET systems to address rapidly evolving skill demands in key sectors.**



Project Acronym:
MiCRET

Full Title:
Microcredentials for Renewable Energy
Technicians

Reference number:
101195980

Funding programme:
Erasmus+
(ERASMUS-EDU-2024-POL-EXP)

Project duration:
March 2025 – February 2028

Total duration:
36 months

Addressing the Digital Transition

MiCRET promotes digital transformation in VET by equipping learners, especially those in underserved regions or facing barriers to participation, with flexible, high-quality learning pathways. Through modular microlearning units accessible via an online platform, learners can upskill in critical digital areas such as remote work readiness, green tech tools, and digital project management. The platform will also pilot digital credentialing systems, including blockchain-verifiable badges and e-portfolios, to support portability and transparency of qualifications across the EU.

Enabling the Green Transition

In parallel, MiCRET contributes to the green transition by embedding sustainability-focused microcredentials into vocational pathways. These credentials target skills in circular economy practices, sustainable resource use, and climate resilience—key priorities for Europe’s environmental agenda. Our framework ensures that learners and workers in transitioning industries, such as construction and logistics, can access just-in-time upskilling opportunities tailored to green job market needs.

Integration, Validation, and Policy Experimentation

MiCRET’s experimentation will involve direct cooperation with national and regional authorities to test mechanisms for integrating microcredentials into existing qualification frameworks. The project will generate policy recommendations and practical toolkits for scaling microcredential systems, ensuring quality assurance, stakeholder buy-in, and alignment with EQF/NQF structures. Special attention is given to inclusivity, interoperability, and transparency to facilitate recognition and uptake by both education providers and employers.

Empowering Learners and Systems

By advancing learner-centric, modular training, MiCRET empowers individuals to build personalized learning trajectories that respond to emerging green and digital labour market demands. At the same time, it supports systemic innovation within education and training institutions, enhancing their responsiveness, inclusiveness, and adaptability.





02. ● Partnerships

Partnership

Industry leaders, VET providers & educators, public institutions, microcredential specialists, network organisations.

Coordinator



Partners



Associated Partners

Our team of Associated Partners is constantly growing, please check the full list on the project website.





03. ● Objectives

Objectives

- 01.** **Develop a Common European Approach for Microcredentials:**
Create a unified EU-wide definition and understanding of microcredentials in the renewable energy sector to enhance their recognition, portability, and transparency across borders
- 02.** **Establish Common Technical Requirements and Quality Standards:**
Define standardized technical specifications and quality benchmarks to ensure credibility and promote stakeholder trust in microcredential programs
- 03.** **Align Microcredentials with National and EU Standards:**
Ensure transparency and alignment of microcredentials with official education and training systems to bridge the gap between formal and non-formal learning in the renewable energy sector
- 04.** **Enable Cross-Border Recognition and Transferability of Microcredentials:**
Develop mechanisms to assess, validate, and recognize microcredentials across different countries, supporting mobility and employability in the renewable energy industry
- 05.** **Create Stackable Learning Pathways through Microcredentials:**
Design modular, stackable microcredentials that allow individuals to build specialized expertise progressively, supporting upskilling and career development
- 06.** **Ensure the Relevance and Currency of Microcredentials:**
Establish robust systems for the regular updating and review of microcredentials to reflect evolving industry needs and technological advancements
- 07.** **Design Targeted Microcredential Programs for the Green and Digital Transition:**
Develop customized training and microcredential programs that respond to the emerging skill demands of the green and digital transitions in the renewable energy sector
- 08.** **Strengthen Collaboration Among Key Stakeholders:**
Foster cooperation between education providers, industry actors, and policymakers to ensure the relevance, implementation, and sustainability of microcredential initiatives
- 09.** **Assess Current and Future Skills Needs in the Sector:**
Conduct research and analysis to identify the present and future skills required by professionals in the renewable energy sector, ensuring training is aligned with labour market demands



04. ● Expected Results

Expected Results



Development of a comprehensive microcredentials framework tailored to the digital and green skills needs of the renewable energy sector



Creation of practical tools and resources, including a skills needs analysis, microcredential catalogue, and training materials to support upskilling and reskilling



Delivery of policy recommendations and frameworks to support the integration of microcredentials into national and sectoral strategies for long-term impact

Deliverables

Skills needs analysis report for the Renewable Energy Sector available also Online as a visual tool

Catalogue of recommended, inspiring microcredential schemes

Portfolio of Learning Pills for the Upskilling and Re-skilling of professions active in the renewable energy sector

Training delivery report

Dissemination and exploitation Plan. Annex: Portfolio of Dissemination Material

Digital and Green skills training offerings improvement plan
(tailored to the renewable energy sector)

Policy Framework proposal for the application of microcredentials
at a National / sectoral Level

Microcredentials for Digital and Green skills in the renewable sector

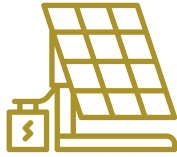
Lessons Learned and Action based Policy Recommendation report



05.

● Target Groups

Target Group



Renewable Energy Professionals

Direct beneficiaries who will gain relevant skills and microcredentials to enhance their employability and career prospects.



Educational Institutions and Trainers

Will benefit from improved training methodologies and resources, enabling them to integrate microcredentials into their curricula.



Industry Stakeholders

Will contribute practical knowledge and benefit from a more skilled workforce aligned with industry needs.



Policy Makers and Governmental Bodies

Will receive policy recommendations to help integrate microcredentials into national and regional frameworks.



Broader Community/Economy

Will benefit from a stronger, greener workforce that drives economic growth and supports the development of a microcredentials ecosystem.



MiCRET

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