



"Greening of VET in the Danube Region: Changing skill demands and the role of Centres of Vocational Excellence" 18.04.2024

"Embedding green competences in Romanian initial VET"

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"Compendium for the Green Transition" EQAVET-NRP-RO 2023 project, ref no.101124350

Working meetings, 80 experts (teachers from IVET schools included in the partnership network, representatives of employers, CNDIPT experts)

Structure of the compendium:

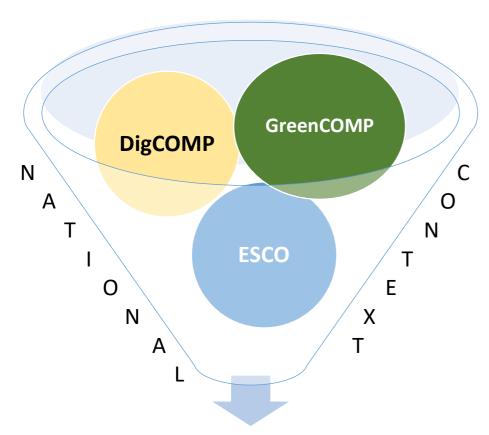
- 1. Definition of terms, notions, procedures and explanation of how to use the compendium
- 2. Identifying and describing the competencies for the green transition as learning outcomes for each field of professional training
- 3. Presentation of examples of good practices in the field of green transition collected from IVET schools (provision and assessment of competencies for the green transition, creation of a culture for sustainable development among students, actions to protect the environment, etc.)

Fields of professional training: agriculture, forestry, buildings and construction materials, textile industry, environmental protection, energy, electronics and telecommunications, transport, tourism, trade, food industry, wood processing industry, mechanics, industrial chemistry.



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Section 2. Competencies for Green Transition



Competences for green transition in Romanian IVET curriculum

Transversal competences
(knowledge, skills, attitudes)
for green transition

- Common for all fields of professional training
 - Defined as units of learning outcomes

specific green competenc es for the agriculture field

specific green competenc es for the building field specific green competenc es for the tourism field

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specific green competenc es for the energy field



"Compendium for the Green Transition" Section 3 – Good practices

Education through projects

ECERT - Experts and Centers of Excellence in Telecommunication Network

- ☐ 10 VET schools in the field of electronics and telecommunication
- ☐ Fibber Optic Association from Romania (AFOR)
- WorldSkills Romania
- with the support of the National Center for TVET Development

Results:

- √ 3 training session for teachers from 10 IVET schools (sustainable fibber optic telecommunications)
- √ 47 trained IVET teachers
- ✓ The development of the curriculum in local decision on sustainable telecommunications in the 10 IVET schools, with the collaboration of some telecommunications companies from AFOR
- ✓ Development of centres of excellence for telecommunications (in construction)
- ✓ Preparation of the national students team of fibber optic joiner and participation in the international competition



THE KEY SUCCES FACTORS:

- ➤ 10 IVET schools prepared to sustainable telecommunication
- curriculum adapted to the requirements of the labor market for green transition in telecommunication
- > supporting IVET students at competitions

http://afor.ro/wp-content/uploads/2024/01/ECERT_Prezentare-proiect 2023.12.05.pdf



"Compendium for the Green Transition" Section 3 – Good practices

GREEN TECHNOLOGIES FOR GREEN WORKPLACES

☐ National training workshop for 33 IVET teachers; the topic of electric batteries and accumulators
The trained teachers covered all regions of the country. The transfer of experience will be done through multiplication in
IVET schools. The final result: skills training in the field of batteries and accumulators for students from VET schools

Curriculum in local development in the field of green transition.

- □ CIRCULAR ECONOMY component of the educational offer (curriculum) for professional qualifications in the field of Economics, Trade, Tourism, Public Food and Textile industry. It focuses on recycling and diminishing unsustainable consumption of nature and natural resources
- □ SUSTAINABLE GASTRONOMY guide *Education for Sustainable Cooking* is addressed to students and teachers in IVET https://www.worldskills.ro/educatie-pentru-gastronomie-sustenabila/
- ☐ MODERN TECHNOLOGIES IN BUILDING CONSTRUCTION introduces notions about the green house (carbon footprint, the embodied energy of construction materials, sustainable use of resources, etc.)

Examples of learning activities and competence assessment tools for the green transition

A collection of models for each field of professional training that can be used by IVET teachers



Challenge

✓ Combining the abstract elements of GreenCOMP with ESCO and the national context in defining learning outcomes for the green transition for each field of professional training (many people, many ideas, the specificity of each field)

Key success factors

- > It is a collection of best practices in the green transition field / model for all
- ➤ It is a useful document for revising Vocational Training Standards and curricula and adapting them to sustainability and green transition requirements
- > the collaboration of teachers, representatives of employers, national experts in the elaboration of the compendium

Lessons learned

☐ Motivation means a lot!





☐ Team work is important!

☐ Understanding the problem is the basis of success





Thank you for your attention !

http://gnac.montivagant.ro

https://www.alegetidrumul.ro/

