



# Greening in TVET

## The GREENOVET experience

**FH-Prof. Dr. Bojan Jovanovski**  
FH JOANNEUM University of Applied Sciences

**Ass. Prof. Dr. Trajce Velkovski**  
Ss. Cyril and Methodius University in Skopje

Vienna, 18 April 2024

The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

# About GreenoVET

## GreenoVET – European VET Excellence Platform for Green Innovation

**Programme:** Erasmus+ - KA3 Support for Policy Reform => Centers of Vocational Excellence

**Duration:** 1.11.2020 – 31.10.2024; **Budget:** 4.381.993 €; **EU grant:** € 3.505.595 €;

**Partner regions (# of partners):** Styria – AT (6), Vaasa – FI (4), Leiria – PT (3), Skopje – MK (5)

“**Green innovation** comprises **all type of innovations** that contribute to the creation of key products, services, or processes **to reduce the harm, impact, and deterioration of the environment** at the same time **that optimizes the use of natural resources.**”

- Leal-Millán A. et al., „Green Innovation“, 2017

### **Education types by priority for GreenoVET:**

Formal learning, Non-formal, and Informal learning

**EQF levels:** 4 - 8

**Green skills** encompass set of interconnected technical and generic skills needed for **development, implementation, spreading and scaling up of green innovation.**

- GreenoVET, 2021

In GreenoVET, the primary focus is set on transversal green skills. However, in every region, the designated regionally relevant occupation specific green skills in line with the Smart Specialization Strategy are also fostered.

# About GreenoVET

## GreenoVET – European VET Excellence Platform for Green Innovation

**Programme:** Erasmus+ - KA3 Support for Policy Reform => Centers of Vocational Excellence

**Duration:** 1.11.2020 – 31.10.2024; **Budget:** 4.381.993 €; **EU grant:** € 3.505.595 €;

**Partner regions (# of partners):** Styria – AT (6), Vaasa – FI (4), Leiria – PT (3), Skopje – MK (5)

### We aim to:

- foster environmental, social and economic development in Europe, through sustainable and **green innovation processes**
- empower **VET** graduates' long-term (self-)employability in the changing future labour market landscape
- develop functional **Centres of Vocational Excellence in Green Innovation**

# GreenoVET's skills ecosystem

## Consortium and ecosystem composition:

1. Formal and non-formal VET education institutions and teachers (EQF 4-8)
2. Companies and business / industry representatives
3. Governmental institutions and NGOs

## Consortium size:

Full partners: 18  
Associated partners: 12  
Regional committees: > 40

## Styria, Austria



## Vaasa, Finland



## Leiria, Portugal



CDRSP CENTRO PARA O DESENVOLVIMENTO RÁPIDO E SUSTENTADO DE PRODUTO



## Skopje, North Macedonia



# GREENOVET's CoVEs in Green Innovation

The CoVEs in green innovation have a common goal to develop the communities, measures and tools for development of the skills needed for the green transition.



# GREENOVET's CoVEs

CoVE region	Name	Framework	Partners	Host/ coordinator
Styria	Green Tech Academy Austria – GRETA	Association	FH JOANNEUM, TU Graz, PH Stmk, Green Tech Cluster (+...)	TU Graz / FH JOANNEUM
Vaasa	Centre of Vocational Excellence in Green Innovation – Vaasa	Network	Uni Vaasa, VAMIA, NOVIA, MERINOVA...	VAMIA / Uni Vaasa
Leiria	TRAINER	Network	IP Leiria, NERLEI, ETAP...	IP Leiria
Skopje	Centre of Vocational Excellence in Green Innovation – Skopje	University Centre	Rade Koncar TEP, MCC, ASUC, NCDIEL	UKIM

## What is GRETA?

- Association: FH JOANNEUM, TU Graz, University of Teacher Education Styria (PH Stmk), Green Tech Cluster, Chamber of commerce of Styria + FH Campus02...
- Center of Vocational Excellence in Green Innovation in Austria

## Why GRETA?

- To create regional capacities able to create the skills needed for, during and after the green transition

## How?

- Communication and cooperation among different levels of VET, industry, governmental organizations and other stakeholders
- Teacher training and support in materials development
- Green transformation cards and other direct support for companies
- Skills competition....

# CEGI - Skopje

Established in December 2021 as a body within the Faculty of Mechanical Engineering-Skopje, supported by the Erasmus+ project GREENOVET.

Our core team is comprised of representatives from five organisations:

- Ss. Cyril and Methodius University in Skopje
- National centre for development of innovation and entrepreneurial learning Skopje
- ASUC Boro Petrushevski
- Rade Koncar - TEP DOOEL Skopje
- Macedonian Chambers of Commerce

We are open for cooperation with any relevant entity that shares the same idea for innovative, inclusive and sustainable future.



# GREENOVET Series

- Seminar series in close cooperation with University College of Teacher Education Styria
- 5 modules (8h each):
  - Fundamentals of Sustainable Development
  - Sustainable consumption
  - Energy Innovation
  - Green Mobility
  - Sustainable Construction
- Participants:
  - ~20 participants each, 8 completed all 5 modules
- Next start: October 2023





GREENOVET

1.643 Followerinnen

4 Monate •

Here they are: Our first graduates of Teachers Training in Styria, Austria!

A total of 8 teachers of secondary vocational education have successfully completed the entire GRETA training series "Greenovet - Green Innovation in Vocational Education".

The seminar series consists of a total of 5 modules:

- ★ Fundamentals of Sustainable Development
- ★ Sustainable consumption
- ★ Energy Innovation
- ★ Green Mobility
- ★ Sustainable Construction

We would like to congratulate all graduates. We look forward to another round starting in fall 2023!

Follow GREENOVET

GREENOVET

[www.greenovet.eu](http://www.greenovet.eu)

#greentechnology #renewableenergy #skills #greentransition  
#greenovetproject #greenenergy #education

Übersetzung anzeigen



# Training technical skills in GI (SCHILF)

- Green Transformation Workshop at HTL Bulme
- Organised by GTC and FHJ
- Audience reached:
  - 13 Students
  - 5 Teachers
- Next start: School year 2023/24



# Training Entrepreneurship and digital skills in GI (SCHÜLF)

- Organised by TU Graz and FHJ
- Target audience:
  - Upper secondary teachers
- Implementation:
  - Autumn 2023
  - Spring 2024



# University course „Sustainability Coordinator at School“

- Aim is to promote the topic of sustainability in schools' environment
- 3 Modules:
  - Basics of sustainability in the school environment
    - Topics of Green Education, e.g. energy, mobility, sustainable procurement for school environment
  - Designing change processes
    - Change management, communication, and conflict management
    - Best practice examples and support mechanisms
  - Implementation of sustainability projects at schools
    - Project management, support for final thesis and presentation



# Regional/international competition (upper secondary and tertiary level)

- **Regional competition**

- Challenge-based learning approach
- Team set-up: Mixed teams
- Mentoring from experts
- Regions involved:
  - Austria 42
  - Vaasa 33
  - Portugal 25
  - North Macedonia 100

- **International competition**

- 30 Students (mixed teams from each region)
- Winners from regional competition
- Tamed-up in international teams
- Challenge-based learning approach



# LNR/ERN

- „Green Science Station“
- Game-based: activity games, quizzes and showcases
- Aim: Foster green and digital transition and contribute to the SDGs



# Green Transformation Cards





# Skills for a Green Europe

Our slogan, our vision, our challenge





## Conference

### Vocational Excellence for a Green Europe

#### TOPICS

- Future Skills with focus on Green Innovation
- European VET Excellence
- VET Attractiveness
- VET Development Policies
- Green Transformation





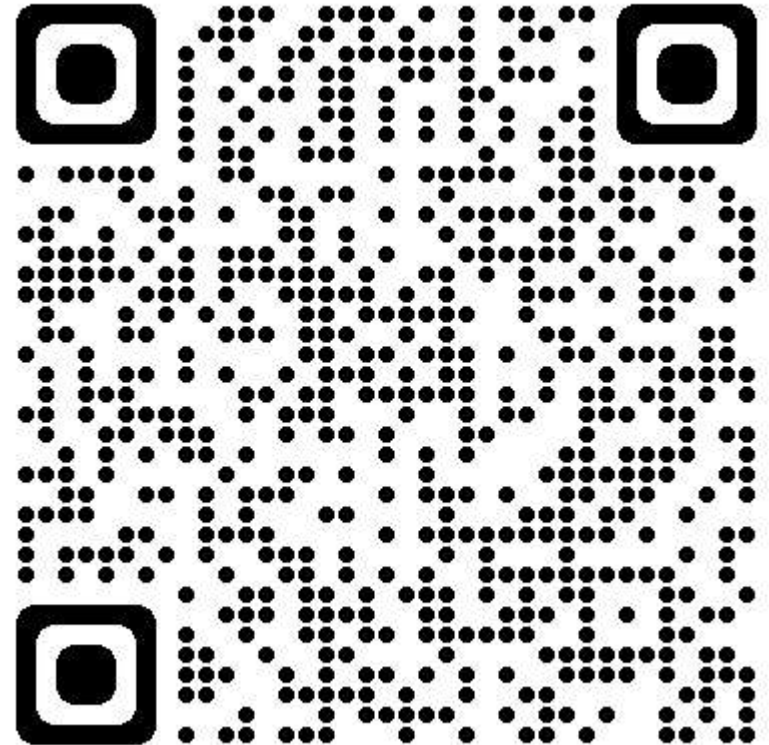
## Conference

### Vocational Excellence for a Green Europe

#### TOPICS

- Future Skills with focus on Green Innovation
- European VET Excellence
- VET Attractiveness
- VET Development Policies
- Green Transformation

certivakapys



# Please reach out to us!

## **FH-Prof DI Dr. Bojan Jovanovski, MSc**

**Senior Lecturer (FH) and Project Coordinator**

**Institute of International Management**

FH JOANNEUM University of Applied Sciences

Eggenberger Allee 11, 8020 Graz, Austria

Tel. +43 (0)316 5453 6812 | Fax: +43 (0)316 5453 6801

E-mail: [bojan.jovanovski@fh-joanneum.at](mailto:bojan.jovanovski@fh-joanneum.at)

