

Newsletter

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The Partnership



GREEN ROOFS Technician Training Program

2022-1-PL01-KA220-HED-000086828

Overview of the project

The Green Roofs Technician Training project, aims to develop an innovative training course, methodology and a new, multidisciplinary occupational profile, specialized in green roofs. The project will foster the employability, socio-educational and professional development of young graduates in construction engineering, landscape architecture, urban planning and related studies through the acquisition of skills needed for urban regeneration. The project commenced on September 1st, 2022 and is scheduled to end on August 31st, 2025.

The project results are:

1. Green Roofs Training Course and Platform Development
2. Green Roofs Trainers' Handbook
3. Guidelines for Green Roofs Training

Green roofs have become increasingly popular in recent years due to their ability to provide several environmental and aesthetic benefits, such as managing stormwater, improving air quality, and reducing the urban heat island effect. However, there are also potential cons, such as high initial costs and maintenance requirements. Some *best practices* for installing and maintaining green roofs:

1. *Use high-quality materials such as waterproof membranes, drainage layers, and growing medium to ensure the green roof is built to last.*
2. *Ensure proper drainage to avoid leaks and water damage to the building and its contents.*
3. *Develop a maintenance schedule that includes watering, fertilizing, pruning, and weeding to keep the green roof healthy and thriving.*
4. *Hire experienced professionals to install and maintain the green roof to ensure proper installation and avoid voiding warranties.*

The Project's Results

R1. Green Roofs Training Course and Platform Development

The past few months, the partnership has been working on the development of the Training Plan and Competence Framework, based on the findings of the local focus groups. Each partner engaged a minimum of 10 experts totaling at least 70 individuals. The participants were requested to complete questionnaires addressing the essential skills required for future Green Roof technicians.

The Green Roofs Training Course is addressed to students and recent graduates in construction engineering, architecture, urban planning and related fields. Based on the findings of the local focus groups, the project consortium has structured the Training Course into 5 core modules:

1. Urban Ecology
2. Design and project specifications of Green Roofs
3. Maintenance of Green Roofs
4. Technical Management Consulting on Green Roofs
5. "Citymaking" and social engagement

Coming
next....

- Training Course Development
- Platform Development
- Methodological Framework of Learning Snacks for Green Roof Technician Trainers

EC Proposal: Nature Restoration Law

The European Commission has proposed a new law to restore ecosystems for people, the climate and the planet called the **Nature Restoration Law**. The proposal aims to restore ecosystems, habitats and species across the EU's land and sea areas in order to enable the long-term and sustained recovery of biodiverse and resilient nature. The law should set in motion a process for continuous and sustained recovery of nature across the EU's land and sea.

Green roofs can be an effective way to restore ecosystems and promote biodiversity in urban areas. They can help reduce the urban heat island effect, manage stormwater, and improve air quality. The **European Green Deal** aims to increase the share of green roofs in urban areas to improve biodiversity and reduce the impact of climate change.

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Project's Dissemination

A Meeting of Minds with South African Republic University of Kwazulu-Natal

The project partner Klaipėdos valstybinė kolegija (KVK) had the privilege of hosting a special dissemination event in their facilities. Distinguished guests from the University of Kwazulu-Natal in South Africa were warmly welcomed.

In this collaborative meeting, KVK presented the project, elucidating its objectives, its activities and the shared vision for a greener and more sustainable future.



Presenting the Green Roofs project

On September 13th, the project partner UNIVERSITATEA `DUNAREA DE JOS` DIN GALATI (UDJG) presented the Green Roofs project to a working meeting of other Erasmus+ project. Specifically, UDJG pointed out:

1. the main overview of the project
2. the expected project results
3. the dissemination channels of the project

Green Roofs Project: Pioneering Sustainable Solutions

During KVK's Annual International Symposium where researchers from universities across Lithuania, Portugal, Latvia, India, and Turkey came together to explore and discuss the theme "Application of Sustainable Solutions in Engineering."

At the heart of this symposium, the project partner KVK, took the stage to present the ground-breaking Green Roofs Project and its ambitious objectives and planned results.

Green Roof + Solar Panels = Bio-solar Roof

Green roofs and solar panels are two sustainable technologies that can be combined to create a bio-solar roof. A [bio-solar roof](#) is a green roof that has solar panels installed on it, which can increase the electricity output of the solar panels by moderating rooftop temperatures. The combination of green roofs and solar panels can provide several [environmental and energy-related advantages](#), such as insulation, biodiversity, stormwater management, and clean, renewable energy.

To [combine green roofs with solar panels](#), it is important to use high-quality materials such as waterproof membranes, drainage layers, and growing medium to ensure the green roof is built to last. Proper drainage is also essential to avoid leaks and water damage to the building and its contents. Developing a maintenance schedule that includes watering, fertilizing, pruning, and weeding can keep the green roof healthy and thriving. Hiring experienced professionals to install and maintain the green roof can ensure proper installation and avoid voiding warranties!

Benefits of Green Roofs

Green roofs offer many public, private, and design-based benefits:

Aesthetic Improvements: Enhances the built environment, boosting aesthetics and investment opportunities.

Waste Diversion: Extends waterproofing membrane life, uses recycled materials, and prolongs the service life of systems.

Stormwater Management: Retains and manages water, reducing runoff, moderating temperature, and acting as a natural filter.

Urban Heat Island (UHI) Moderation: Cools cities through dew and evaporation, mitigates UHI effect, and reduces dust and particulate matter.

Improved Air Quality: Captures pollutants, filters noxious gases, and reduces demand on power plants, potentially lowering CO2 emissions.

New Amenity Spaces: Increases green space, supports smart growth principles, and offers diverse uses like community gardens and recreational areas.

Local Job Creation: Boosts job opportunities in manufacturing, plant growth, design, installation, and maintenance, contributing to economic growth.



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