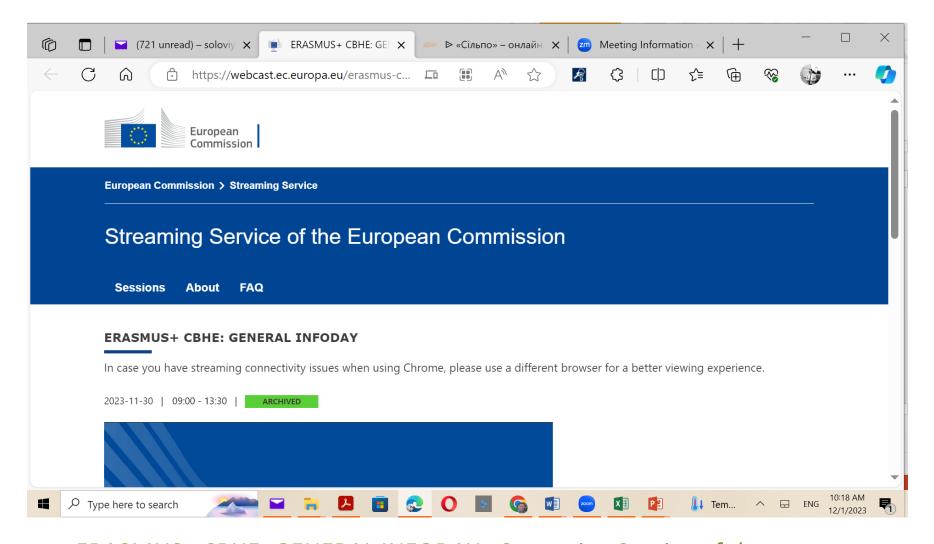Erasmus+ CBHE Project

"Modernizing master programs for supporting forest sector transformation towards Ukraine's post-war green rebuilding"

ForestPOST

Prof. Dr. Ihor Soloviy, Professor, Department of Ecological Economics and Business
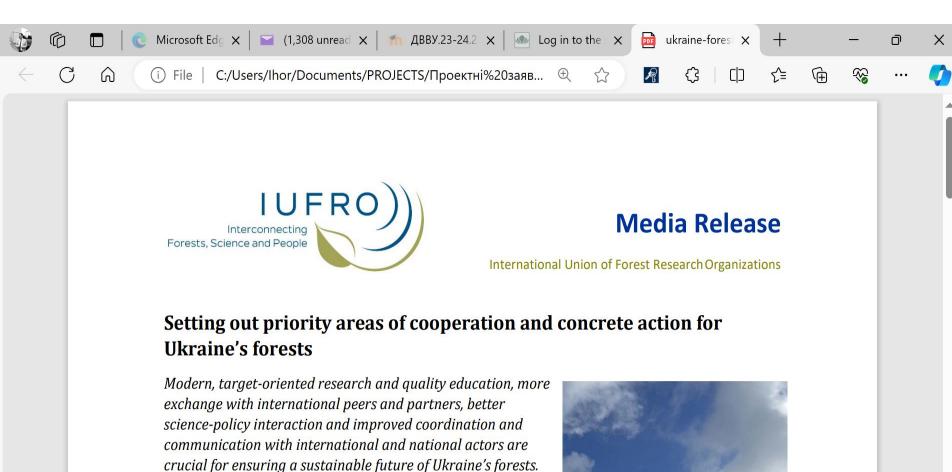Dr. Halyna Lesiuk, Deputy Head of International Office

[ERASMUS+ CBHE: GENERAL INFODAY - Streaming Service of the European Commission (europa.eu)](https://webcast.ec.europa.eu/erasmus-c...)
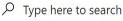
Context of the project

❏ ~~russia's war aggression against Ukraine, and its significant environmental~~ damage, including forest destruction

❏ lack of working hands, in particular narrow-profile engineers and decrease in the interest of the younger generation in natural sciences, forestry and forest-related specialties

❏ traditional more theoretical and less practical model of studies and little attempts to implement dual education approach, limited access to forests as internships places due to the mining of a significant territory

❏ global tendency towards growing demands for green jobs, sustainability competence and green skills

IUFRO
Interconnecting
Forests, Science and People

Media Release

International Union of Forest Research Organizations

Setting out priority areas of cooperation and concrete action for Ukraine's forests

Modern, target-oriented research and quality education, more exchange with international peers and partners, better science-policy interaction and improved coordination and communication with international and national actors are crucial for ensuring a sustainable future of Ukraine's forests.

(Laxenburg/Vienna, 29 November 2023)
Forests in Ukraine make up about 16.5% of the country's territory and fulfil important functions including support of rural livelihoods, conservation of biodiversity, and

Architecture of the ambitious model of green reconstruction of Ukraine

Wider objective of the project

❏ to develop the synergy between Ukrainian HEIs and forest sector for strengthening the *joint contribution* to the green post-war rebuilding of Ukraine through the *implementation* of *new study courses* based on the *dual education approach*, considering the global and local challenges, urgent needs of forest sector, and *developing students' green skills.*
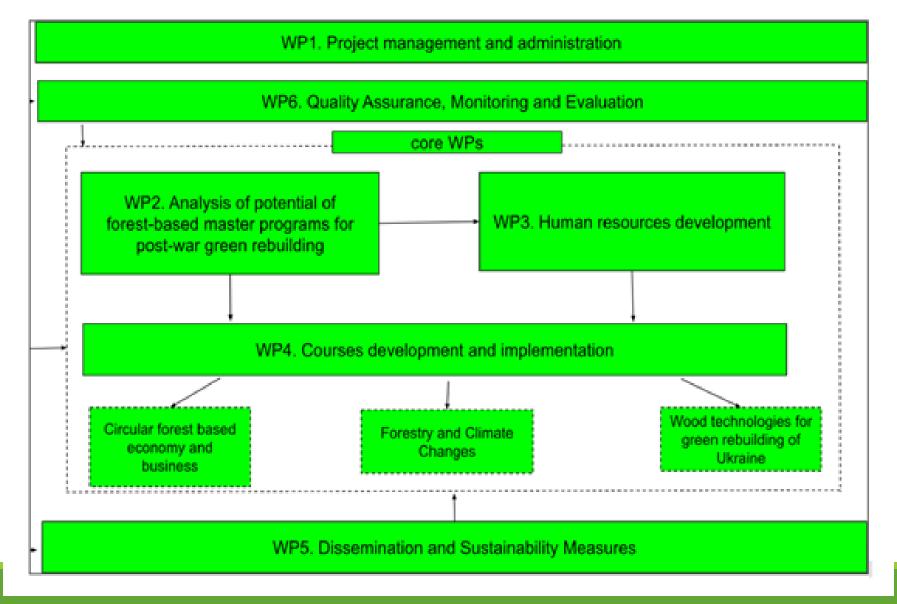
Specific objectives

- ❏ Strengthen the dual education approach in forest-based education
- ❏ Update the content of 6 forest-based master study programs in accordance with the labor market demand, and global and local challenges
- ❏ Develop green skills of students through implementation of new study courses
- ❏ Develop the links between Ukrainian HEIs, EU institutions and forest sector
- ❏ Popularize forestry education/profession and spread the knowledge towards forestry contribution to the EU Green Deal implementation
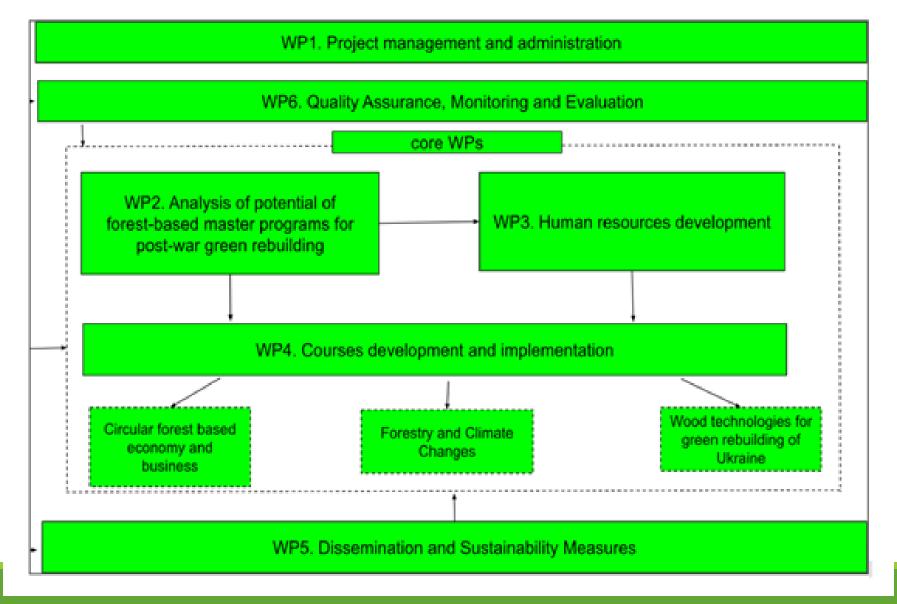
Project design logic

WP1. Project management and coordination

T1.1 Development of Project Management Handbook

T1.2 Kick off Meeting

T1.3 Meetings of Consortium Board

T1.4 Day-to-day project management and coordination

T1.5 Preparation of Project Progress Report

T1.6 Final Consortium Meeting

T1.7 Equipment purchase

T1.8 Preparation of Final Project Report

Project design logic

WP1. Project management and administration

WP6. Quality Assurance, Monitoring and Evaluation

core WPs

WP2. Analysis of potential of forest-based master programs for post-war green rebuilding

WP3. Human resources development

WP4. Courses development and implementation

Circular forest based economy and business

Forestry and Climate Changes

Wood technologies for green rebuilding of Ukraine

WP5. Dissemination and Sustainability Measures

ForestPost WPs and coordination

WP1. Project management and coordination (Ukrainian National Forestry University)

WP2. Analysis of forest-based master programs capacities for contribution to post-war green Ukraine's rebuilding (State Biotechnological University, Kharkiv, Ukraine)

WP3. Human Resources Development (University of Valladolid, Spain ?)

WP4. Course development and implementation (Transilvania University of Brasov, Romania ?)

WP5. Dissemination and Sustainability Measures (National University of Life and Environmental Sciences, Kyiv, Ukraine)

WP6. Quality Assurance, Monitoring and Evaluation (Eberswalde University for Sustainable Development, Germany ?)

WP3. Human Resources Development

T3.1 Preparation of the materials for series of trainings by EU staff members

T3.2 Training on <u>practice-based learning and dual education</u> approach in forest-based master programs for UA staff members

T3.3 Training on <u>courses design</u> for UA staff members

T3.4 Training on <u>AI tools</u> and methods for teaching forest-based courses for UA staff members

T3.5 Preparation of the Guidelines "Dual education approach in forestry education for green growth ("sustainability competence and green skills" - title?)

Main tangible intellectual outputs:

- program of training and training materials
- Guidelines.

WP4. Course development and implementation

T4.1 Establishment of teaching pairs (3 academic staff UA unders the auspices of EU staff members)

T4.2 Ground (in Ukraine) mobility of course instructors to industry companies

T4.3 Mobilities of UA staff members to EU, courses oriented visits

T4.4 Development of courses syllabi

T4.5 Launch and piloting of courses in one semester for students

T4.6 Practical placement of students at forest sector companies

T4.7 Improvement of courses syllabuses

T4.8 Development of joint MOOC "Transformation of forest sector towards green Ukraine's rebuilding"

WP4. Course development and implementation

Task of EU partners is to coordinate/ <u>mentor the development of new courses</u>, which means to host for short-term mobility, check the syllabus and teaching materials during course elaboration, advise on course content etc.

New courses are elaborated by the group of UA academic staff, each consisting of 3 staff members. Courses mandatory have to include the active involvement of forest sector company (dual education approach) and lead to acquisition by students green skills.

WP4. Course development and implementation

Three blocks of 12 new courses:

❏ "Circular Forest-based Economics and Business",
❏ "Forests and Climate Changes",
❏ "Wooden technologies for green rebuilding of Ukraine".

---->>>>*How to split the mobilities and coordination of blocks/course?*

How to split the coordination of blocks/courses?

❏ **"Circular Forest-based Economics and Business"** - *the whole block is coordinated by EUSD? or 2 courses are coordinated by EUSD and 2 by UVa?*

❏ **"Forests and Climate Changes"** - *2 courses are coordinated by UniTBv and 2 by UVa?*

❏ **"Wooden Technologies for Green Rebuilding of Ukraine"** - *4 courses are coordinated by UniTBv?*

WP6. Quality Assurance, Monitoring and Evaluation

T6.1 Preparation of QA, Monitoring and Evaluation plan

T6.2 External evaluation of WP2 Reports

T6.3 External evaluation of the Guidelines 1 of WP3

T6.4 External evaluation of the Guidelines 2 of WP3

T6.5 External evaluation of the Guidelines 3 of WP3

T6.6 Preparation of Midterm QA report

T6.7 Evaluation of courses syllabi (students, experts and industry)

T6.8 Evaluation of the MOOC content

T6.9 Preparation of Final QA report

Main project's outputs and outcomes

❏ sociological survey results on forest sector and academia needs

❏ report on the current state of forest-based master programs and its potential for achievement of EU Green Deal

❏ materials of trainings

❏ 48 UA staff members trained

❏ 12 new study courses elaborated and implemented

❏ 1 joint MOOC launched

❏ 360 students developed green skills

❏ 12 forest sector companies involved in education process

❏ 3 Centres for sustainability communications created

❏ materials of 3 project's conferences published

❏ 1 project web-site launched

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Ad naturam vivere discimus

Thank you!