

Newsletter 6 / April 2023-September 2023

Erasmus+ Capacity Building of Higher Education
Synergy of educational, scientific, management and industrial components for climate
management and climate change prevention/ CLIMAN
619119-EPP-1-2020-1-NL-EPPKA2-CBHE-JP

NEWSLETTER 6 April 2023-September 2023

In this issue you will find news and updates of all partners:

- Training at Netherlands Business Academy
- Official Approval of the new partner to project consortium
- Project Steering Committee Meeting at Netherlands Business Academy
- Study Visit at University of Foggia
- International Summer School «Technological and Economical Aspects of Climate Change Adaptation Strategy» at Lviv Polytechnic National University
- “Empowering Collaboration: Training for Effective Stakeholder Engagement and Cooperation” at Mykolas Romeris University
- News from KROK University



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Synergy of educational, scientific, management and industrial components for climate management and climate change prevention/ CLIMAN 619119-EPP-1-2020-1-NL-EPPKA2-CBHE-JP

Newsletter 6 / April 2023-September 2023

Training at Netherlands Business Academy



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29 May- 02 June, 2023 **training** was organized at Netherlands Business Academy in frameworks of Erasmus+ project CLIMAN/ "Synergy of educational, scientific, management and industrial components for climate management and climate change prevention".

On *Monday, May 29th*, the participants were welcomed by project coordinator, rector of NLBA, Prof. Dr. Jan van Zwieten. The Rector made a speech about characteristics and challenges of the Netherlands in respect of climate and the EU.

During work in groups, partners discussed implementation of the future project activities, discussed best practices. The following topics were highlighted:

- ✓ 3.1. Promotion of Training module
- ✓ 3.3. Organization of students internships
- ✓ 4.3. Development and update of CMC website
- ✓ 4.4. Development of the road map for the interaction of all stakeholders
- ✓ 6.3. Development of the newsletter
- ✓ 6.5. Organization of advertising campaign.

Synergy of educational, scientific, management and industrial components for climate management and climate change prevention/ *CLIMAN 619119-EPP-1-2020-1-NL-EPPKA2-CBHE-JP*

Newsletter 6 / April 2023-September 2023

Moreover, the tour to the city of Dordrecht was organized for participants.

On *Tuesday, May 30th*, the sessions with theoretical part and workshops on practical skills were conducted on the topics:

❖ **Political basis and regulations in the EU:**

- Introduction of SDG's and its consequences;
- Treaty of Paris, Law on climate, climate treaty;
- Linear economy and circular economy.

❖ **CO2:**

- Introduction of CO2 production ladder;
- Introduction to the company "COA" and sustainability strategy;
- Sustainability and Business Control.

On *Wednesday, May 31th*, the sessions with theoretical part and workshops on practical skills were conducted on the topics:

❖ **CSRD (Corporate Sustainability Reporting Directive):**

- Obligations 2025 by EU;
- Consequences for corporate world;
- Life cycle assessment;
- Case COA.

❖ **Technological developments:**

- Bio mimicry;
- Case COA.

On *Thursday, June 1st*, the company visit was done. Representative of company MeesPierson investments (ABN), made a presentation about Consequences to investors behaviour on the stock markets:

- Introduction to international investors behaviour
- Influence of SDG's

After lectures, the participants used the chance to visit the company and to know more about implementation of regulations in companies.

On *Friday* the partners worked in groups and discussed the planning of the future activities, including upcoming events, exchanged best practices, and achieved results.

Many thanks to Netherlands Business Academy for such a wonderful organization!

Newsletter 6 / April 2023-September 2023

West Ukrainian National University joins CLIMAN project



In June, 2023, **West Ukrainian National University (WUNU)** officially joined Erasmus+ project CLIMAN/ "Synergy of educational, scientific, management and industrial components for climate management and climate change prevention" project as a new partner.

It is a classical university of Ternopil, Ukraine, a leading modern educational institution, where the academic spirit and science, passion, and discipline - the corner stones of identity formation - reign. The university is always developing, as to master the art of living one must look to the future. West Ukrainian National University is among the best economic institutions of higher education in Ukraine. This is where intellectual product is created through a journey from mere concepts to progressive ideas brought to life.

We are very happy to congratulate the new partner and wish productive cooperation and development of the CLIMAN project!

We are also proud to inform that duration of CLIMAN project has been extended for a year! Congratulations to all partners!!!

Project Steering Committee Meeting at NLBA



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29-30 May, 2023, **Project Steering Committee Meeting** of the EU-funded Erasmus+ project CLIMAN/ "Synergy of educational, scientific, management and industrial components for climate management and climate change prevention" was organized at Netherlands Business Academy.

The partners discussed the state of implementation of the project, submitted Progress report, challenges, and plans for the nearest future, submission for the extension of the project, adding of the new partners, difficulties with travels of Ukrainian partners, organizational and content aspects of upcoming project meetings.

During work in groups, partners discussed implementation of the next project activities, collection of the best practices. In particular, the following topics were discussed:

- Promotion of Training module;
- Organization of students' internships;
- Development and update of CMC website;
- Development of the road map for the interaction of all stakeholders;

Synergy of educational, scientific, management and industrial components for climate management and climate change prevention/ *CLIMAN 619119-EPP-1-2020-1-NL-EPPKA2-CBHE-JP*



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Newsletter 6 / April 2023-September 2023

- Development of the newsletter;
- Organization of advertising campaign.

Representatives of KROK University granted the project partners with certificates for participation at the International Highlight Event, that was organized at KROK in January 2022. The souvenir products prepared by KROK – T-shirts, pens, pencils, eco bags were also distributed for partner teams.

All partners were very happy to see each other and talk about the project, glad to continue project activities despite the difficult situation. Many thanks to Netherlands Business Academy for organization of such a wonderful event!

Newsletter 6 / April 2023-September 2023

Study Visit at University of Foggia



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28 August- 1 September, 2023, **Study visit** was conducted as part of the EU Erasmus+ project CLIMAN / "Synergy of educational, scientific, management and industrial components for climate management and climate change prevention" at University of Foggia, Italy.

The following CLIMAN project partners participated at the event:

- KROK University, Ukraine;
- Kharkiv National Automobile and Highway University, Ukraine;
- Lviv Polytechnic National University, Ukraine;
- Akaki Tsereteli State University Kutaisi, Georgia;
- West Ukrainian National University, Ukraine.

The partners discussed the results of project implementation, plans for the nearest future, and organizational and content aspects of upcoming project meetings.

Many thanks to University of Foggia for hosting such interesting event, as well as all participants for their active participation!

Synergy of educational, scientific, management and industrial components for climate management and climate change prevention/ *CLIMAN 619119-EPP-1-2020-1-NL-EPPKA2-CBHE-JP*

International Summer School «Technological and Economical Aspects of Climate Change Adaptation Strategy»



Co-funded by the
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13 August- 27 August, 2023, the Department of Ecology and Sustainable Environmental Management of Lviv Polytechnic National University organized and implemented the **International Summer School «Technological and Economical Aspects of Climate Change Adaptation Strategy»** within the project Erasmus+ «Synergy of educational, scientific, management and industrial components for climate management and climate change prevention» (CLIMAN).

The school was run on the basis of the Polytechnic-4 in the village of Zozuli, Zolochiv district, Lviv region. The chosen location has a unique natural environment, located in a pine forest, and allows for both indoor and outdoor classes in summerhouses.

During the summer school, students attended 11 lectures presented by professors from Ukrainian universities and partner countries, took part in interesting workshops, and prepared group projects on the topics.

Synergy of educational, scientific, management and industrial components for climate management and climate change prevention/ CLIMAN 619119-EPP-1-2020-1-NL-EPPKA2-CBHE-JP

Newsletter 6 / April 2023-September 2023

Considering that the Department of Ecology and Sustainable Environmental Management has created a Climate Management module to achieve the project's goal, the format of the summer school was designed to expand and deepen students' knowledge of both climate change adaptation and the implementation of best practices to reduce the impact of various sectors of life on the climate.

Students from *LPNU, KROK University, Kharkiv National Automobile and Highway University (in person) and Western Ukrainian National University (online)* took part in the school.

The schedule of classes contributed to good assimilation of the material, and practical exercises allowed students to work in groups and model certain scenarios of the impact of various factors on climate change, ways of adapting to climate change and possible consequences for human health and all spheres of life.

The main issues that were discussed during the summer school are as follow:

As part of the lecture, students had the opportunity to learn about the impact of open fires on the environment and human health. The lecture was presented by Professor Valeriy Mykhailenko of *Taras Shevchenko National University of Kyiv*. Considering that climate change often leads to an increase in extreme temperatures and, as a result, to an increase in the number of forest fires, this topic is very relevant and important. By understanding the risks to health and the environment caused by forest fires, it is possible to assess the danger and take the necessary measures to avoid it, as well as to identify ways to adapt forestry to climate change.

Solid waste management is an important issue in climate change adaptation, because improper waste management contributes to an increase in greenhouse gas emissions, particularly methane. The lecture, presented by Professor Myroslav Malyovanyi from *Lviv Polytechnic National University*, was focused on introducing students with the problems of solid waste management in Ukraine, as well as demonstrating best practices of solid waste management in European countries and highlighting possible strategies to reduce greenhouse gas emissions in this sector by introducing the latest technologies for waste collection and disposal.

An equally important step in the adaptation of various sectors of the economy to climate change is a proper understanding of how environmental processes combine and interact with each other and with living organisms in general. The lecture, presented by Associate Professor Hanna Zhelnovach from *Kharkiv National Automobile and Highway University*, titled "Everything is connected to everything: an introduction to the essence of climate change", revealed the essence of the processes taking place in the environment and their relationship with the greenhouse effect. The students were able to model various systems on their own and, based on the knowledge gained, identify the positive and negative effects that will occur in the environment as a result of climate change and, accordingly, try to identify possible ways to adapt to climate change.

Special attention was paid to the use of renewable energy sources, in particular the use of hydrogen. A lecture presented by Prof. Asnakech Laß-Seyoum from the *University of Applied Sciences, Germany*, helped to raise students' awareness of the use of renewable energy as one of the important steps to

Synergy of educational, scientific, management and industrial components for climate management and climate change prevention/ *CLIMAN 619119-EPP-1-2020-1-NL-EPPKA2-CBHE-JP*

Newsletter 6 / April 2023-September 2023

reduce greenhouse gas emissions. Abandoning fossil fuels and creating new technologies for generating energy without greenhouse gas emissions is one of the main areas that are actively developing today and help to achieve results in the fight against climate change.

Considering that today climate management in Ukraine has begun to develop and be actively implemented, it is very important for students of environmental science to understand all the concepts related to climate management and how to use environmental audit in enterprises in order to apply their skills correctly in the future. The lecture on Environmental Audit and Climate Management: Key Skills and Competencies was presented by Professor Natalia Vnukova from *Kharkiv National Automobile and Highway University*. This lecture broadened the students' awareness of environmental audits and the use of the data obtained to combat climate change and identify the best ways to adapt to climate change.

The participants also discussed the impact of climate change on urbanized areas and, accordingly, the impact of rising global temperatures on urban populations. Associate Professor Volodymyr Zhuk from *Lviv Polytechnic National University* and Migel Angelo Raposo Inacio from *Mykolas Romeris University*, Lithuania, presented their lectures in this format. The increase in the number of days with extreme temperatures, the occurrence of a large number of heat islands within the city, where green spaces, alleys or squares are not designed, total buildings and the lack of places to hide from the heat, etc. lead to a number of negative consequences of climate change, including an increase in the number of people suffering from chronic diseases and an increase in mortality. In addition, there is the problem of using excessive amounts of energy for air conditioning, etc. In general, the participants discussed the need to adapt urbanized areas to climate change, green cities and create comfortable conditions for recreation for urban residents, etc.

A separate topic of the summer school was sustainable development and the main sustainable development goals, the observance and implementation of which involves eco-friendly relations between people, the economy and the environment. Lectures in this area were presented by Associate Professor Ulyana Tkach from the *Western Ukrainian National University*, Mg.sc.env Kristīne Neimane from the *University of Turība*, Latvia, and Olena Naumova from *KROK University*, Ukraine. Special attention was paid to climate change and climate change adaptation strategies in the context of sustainable development. Having received the necessary theoretical information, the students were able to calculate their environmental and CO₂ footprints, simulate various situations from everyday life based on the principles of sustainable development and come as close as possible to responsible consumption of both resources and energy to meet their own needs. Sufficient attention was also paid to the topic of sustainable economic development and possible liability for providing inaccurate information on the firm's sustainable development.

In addition to lectures, students had the opportunity to work in groups at interesting and informative workshops, where they implemented their ideas on climate change adaptation strategies and opportunities for sustainable economic development. During the summer school, participants had the opportunity to share their experience in dealing with climate change and adaptation strategies, and to take part in a historical and educational trip along the ecological paths of Zolochiv district and the outstanding castles of Lviv region.

Synergy of educational, scientific, management and industrial components for climate management and climate change prevention/ *CLIMAN 619119-EPP-1-2020-1-NL-EPPKA2-CBHE-JP*



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Newsletter 6 / April 2023-September 2023

At the end of the summer school, participants presented their projects on a given topic and were awarded certificates.

Many thanks to Lviv Polytechnic National University for hosting such interesting event, as well as all participants for their active participation!

“Empowering Collaboration: Training for Effective Stakeholder Engagement and Cooperation” at Mykolas Romeris University



Co-funded by the
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September 4- September 8, 2023, five-day **international training “Empowering Collaboration: Training for Effective Stakeholder Engagement and Cooperation”** was organized at Mykolas Romeris University, Lithuania in the frameworks of Erasmus+ project CLIMAN/ “Synergy of educational, scientific, management and industrial components for climate management and climate change prevention”. The training was attended by lecturers, researchers, experts in climate governance and sustainable development, and university administrators.

The training provided valuable insights on the effectiveness of collaboration in addressing climate change, promoting sustainable development, and managing environmental challenges.

All the participants were active at the lectures and seminars on the following topics:

- “Nature Based Solutions in Urban areas”
- “Stakeholder’s mapping and engagement”
- “Green Hydrogen as a prospect for a carbon neutral transport sector”

Synergy of educational, scientific, management and industrial components for climate management and climate change prevention/ *CLIMAN 619119-EPP-1-2020-1-NL-EPPKA2-CBHE-JP*



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Newsletter 6 / April 2023-September 2023

- “Statistical methods applied to stakeholder perception”
- “Mapping Ecosystem. Services. Stakeholders’ perception”

Many thanks to Mykolas Romeris University for such a wonderful organization!

Newsletter 6 / April 2023-September 2023

CLIMAN project was included to the program of participation in the Global Week in UNESCO's #Act4SDGs.



In June 2023 Erasmus+ project CLIMAN/ "Synergy of educational, scientific, management and industrial components for climate management and climate change prevention" **was included to the program of participation in the Global Week in UNESCO's #Act4SDGs.**

In this way, the #CLIMAN community is visible for millions of people around the world who are taking action on the Sustainable Development Goals to show what they can do for a common goal.

Every September, the UN holds a week to achieve the Sustainable Development Goals (SDGs) and key partners mobilize millions of people around the world to take action to achieve them. The story of the SSR is what everyone wants: more peaceful, just and sustainable societies. The #Act4SDG 2023 Global Week of Mobilization was taken place from September 15 to 25, when world leaders were gathered at the United Nations General Assembly for the UN SDG Summit. To mark the midpoint of the Agenda for Sustainable Development, the Week was focused on climate, peace and justice, sustainable food systems, gender equality and inclusion.

Synergy of educational, scientific, management and industrial components for climate management and climate change prevention/ *CLIMAN 619119-EPP-1-2020-1-NL-EPPKA2-CBHE-JP*



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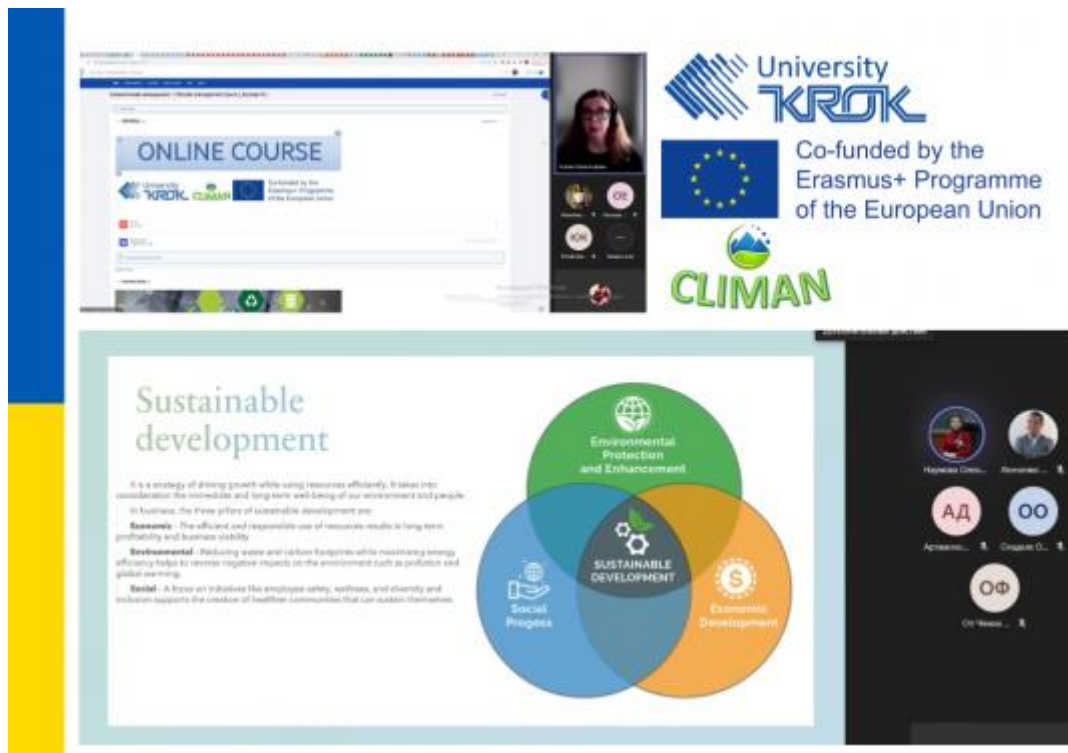
Newsletter 6 / April 2023-September 2023

All actions in the field of the SDGs are recorded and visualized on the GLOBAL MAP OF ACTIONS IN THE FIELD OF THE SDGs, which can be filtered by countries, regions, organizations, and #CLIMAN partners now has a location on this map that the whole world can see.

We are very happy to be a part of such a great initiative!

NEWS FROM KROK UNIVERSITY

Piloting of courses within the CLIMAN project



In *September 2023*, the lecturers of "KROK" University, PhD in Economics, Associate Professor Olena Bielova and PhD in Economics, Associate Professor Olena Naumova **started piloting the courses on Climate Management, Sustainable Strategic Management, and Sustainable Marketing**, developed within the framework of the EU Erasmus+ project CLIMAN/ "Synergy of educational, scientific, management and industrial components for climate management and climate change prevention".

The subjects were offered as elective courses to students of the English-taught programs of the University. 38 students of the educational programs "Management (English)" and "International Business" chose the mentioned courses to study in the first semester 2023-2024 academic year.

We are proud that KROK students have joined the global trend for SUSTAINABILITY!