

Newsletter 4 / December 2021 – April 2022

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 4**

**December 2021 – April 2022**



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### **Online Meeting of CLIMAN Consortium**

On April 5, 2022 the meeting of CLIMAN partners was organized online. The event began with one minute of silence in honor of memory of soldiers and civilians who died as a result of full-scale armed aggression of the Russian Federation against Ukraine. In their speeches, all present partners expressed their sincere condolences and inspiring words of support to the Ukrainian people, as well as discussed further steps of cooperation. Since the beginning of the war, all partners have supported Ukrainians.

Georgian partners expressed solidarity with Ukrainian people and asked to postpone the project activities. At the meeting the partners discussed the redistribution of the budget, upcoming meeting in Turiba University and other project issues.

### **Netherlands Business Academy develops educational possibilities for children from Ukraine in Dordrecht and Breda, the Netherlands Support from Hultgren Nachhaltigkeitsberatung UG**

Since the start of war Prof. Jan van Zwieten, Rector of the Netherlands Business Academy provided help for Ukrainian people. One of his initiatives was to organize education for Ukrainian children from families that flee from Ukraine because of the war. Jan van Zwieten met with officials of Dordrecht discussing the idea and provided the campus of Netherlands Business Academy for Ukrainian school. That helped a lot, as it was almost impossible to find a separate building for school. Jan also invited his Ukrainian friends and partners to the Netherlands. Oksana Oliinyk, the alumnus of Master Degree Program in Mediation at Business School of KROK University and the trainee of mediation program, which was organized by NLBA in Dordrecht in November 2021 in the frameworks of the project "Mediation: Training and Society Transformation", after arrival to the Netherlands started coordination of Ukrainian school in Dordrecht.

In the Dutch education system, primary (4-11 years) and secondary school (12-17 years) are two separate galaxies. As younger children learn the language easier and faster, they go to Dutch international school, where children from more than 40 non-Dutch countries study. The task of the school is to help children to master the language in 40 weeks at a level that will allow them to go to a regular school. Usually children aged 12-17 without knowledge of the language are enrolled in ISK - an international high school where the students can stay for two years. Its task is to integrate teenagers into the mainstream education system and, more importantly, into society, but at a slower pace.

But Ukrainian children fleeing the war are a special group. The vast majority want to go home. They do not want to integrate, they would prefer to finish the normal school year according to the Ukrainian education system. While the local education system is overloaded even without Ukrainians, and there has always been lack of teachers in the country, there is room for innovation.

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So, the school appeared to be is an interesting hybrid.

- it follows the educational programs of Ministry of Science and Education of Ukraine;
- in addition, the students receive additional classes in Dutch and "social sciences" (a course on how their society is organized);
- there are Ukrainian teachers who teach their subjects in Ukrainian;
- the school is the division of one of the international schools - Daltom Lyceum (so in internal documents we are called ISK2);
- the classes are conducted according to the schedule of classes, as in a regular school, from Monday to Friday, from 9 to 15;
- all funding comes from the city council through the lyceum. This applies to equipment, furniture and teachers' salaries;
- Ukrainian teachers have signed temporary contracts (until the summer holidays, with the possibility of extension) and will receive a Dutch teacher's salary;
- now there are about 100 students from about 10 towns/villages (students are brought by special buses), but we expect 250 students, with a probability of doubling the number.

Yvette Livius, Education Coordinator of Breda City Council and NLBA Executive Director, together with Halyna Bohachenko, Projects and Programs Manager of KROK University are also organizing education for children from Ukraine in cooperation with Breda schools. Halyna together with Oksana presented the idea of the Ukrainian school to the community of school directors and teachers in IST. Nicolette Rooimans, the cluster director PCPO. Yvette Livius is also the member of crises group in Breda city council and contributed a lot in preparation of housing for Ukrainian orphans, that came from Polohy, Zaporizka region.



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Lecturers of NLBA Marjon Coopers and Gea van Klompenberg have organized group for medical assistance to Ukrainians and do other support for their Ukrainian friends, including involving them to the activities of another Erasmus+ project DISCOM – “Development of interdisciplinary skills for cooperation and conflict management”, in frameworks of which the visit to Turība University, Latvia, will be also organized.

Oliver Schmidt, CEO of Hultgren Nachhaltigkeitsberatung UG also provides help to Ukrainian people, including sharing of initiatives for support of Ukrainian Army and Ukrainian Universities, organization of housing to Ukrainians and his moral involvement, dedication and support to the Ukrainian partners is enormous.

Many thanks to the partners for doing so much for Ukraine in such difficult times!

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### **News from HTW Berlin about the study visit to HTW during March 14<sup>th</sup> – 17<sup>th</sup> 2022**

#### **Preliminary Remark:**

The study visit to HTW Berlin was organized as a combination of meetings with scientific exchange on climate management activities and a short-term intensive study and training program focused on sustainability & climate protection issues in the mobility sector. After clearance with the project coordinator and preparation of the training program, the partners were informed and invited to join the study visit in the beginning of February 2022 and 15 participants from Ukraine and Georgia confirmed their participation.

Unfortunately and caused by the horrible military attack of Russian forces on Ukraine the partner from LPNU, KROK University and KhNAU were not able to come to Berlin to join the study visit and the training activities. After consultation with the coordinator, HTW decided to organize the study visit as planned for our Georgian partner and the representatives of the EU HEI's and a second study visit, including training program for the Ukrainian partner will be organized later and as soon as the situation in Ukraine allows their continuation in the project activities.

On **Monday, March 14<sup>th</sup>** the participants were welcomed by Prof. Thilo Wendler (Vice-President for Studies, Teaching & International Affairs at HTW) at HTW Campus Treskowallee. Prof. Wendler gave a presentation to provide information about ongoing sustainability actions at HTW Berlin.



As a special example of research activities in the field of "Sustainability" Prof. Florian Koch introduced Sustainability indicators and their application for the municipal sustainability strategy of the city district Treptow-Köpenick of Berlin.

A special round table discussion about the horrible war situation in Ukraine and an exchange of information on supporting activities for our Ukrainian partner was included into the meeting program. Special thanks of the organizer goes to our Georgian partner, who moderated this session.

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During Afternoon, the participants traveled to HTW Campus Wilhelminenhof, to get detailed information about the training program for the next days.



Prof. Asnakech Laß-Seyoum and Prof. Petra Bittrich organized a Campus tour including visit of the Labs of the Faculty of Engineering, Department Renewable Energies at the HTW.



### **Tuesday, March 15th**

On Thursday a special intensive study and training program on Hydrogen and its role in the Energy Transition towards a Carbon Free Energy Economy was organized by Prof. Asnakech Laß-Seyoum. During the morning sessions theoretical knowledge was provided in lectures and during afternoon the participants could gain practical experienced carrying out laboratory experiments.

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**Wednesday, March 16<sup>th</sup>**

Caused by an unforeseen Corona infection of Prof. Mirko Barz, the program of the second training day was provided in a hybrid format (online lecture by prof. Barz and presence presentations and lab work organized by HTW team member). Topic of the Training was focused on the contribution of Biofuels to decarbonize the European transport sector and E-Mobility. Theoretical lectures were provided by:

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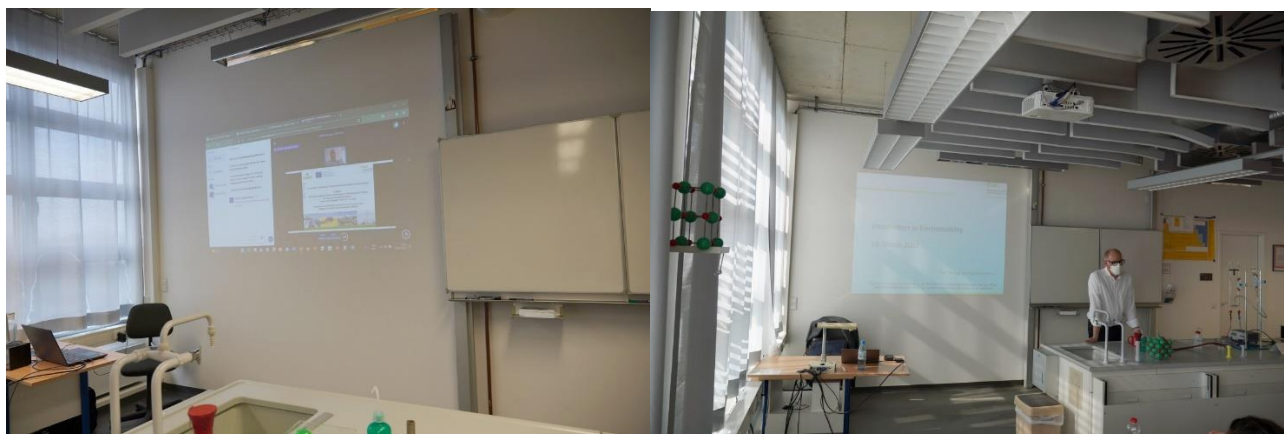


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Prof. Barz - "Contribution of Biofuels to Decarbonize the European Transport Sector"

Mr. Tassew Zinnabu – "BIO-JET FUEL PRODUCTION"

Prof. Jan Hanno Carsten – "E-Mobility"



During afternoon the participants practiced the lecture content by producing Biodiesel from plant oil in lab experiments, organized by Mr. Guyrod Kabengele

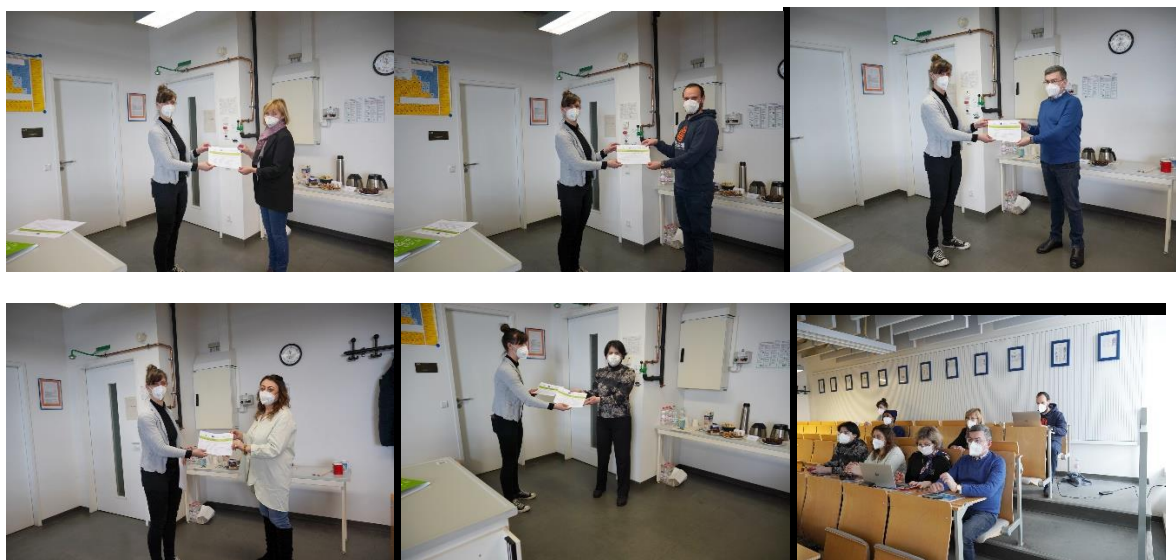
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Finally the certificates on training completion were provided to the participants.



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**Thursday, March 17<sup>th</sup>**

On Thursday a field trip to visit the Leibnitz Institute for Agricultural Engineering and Bioeconomy (ATB) in Potsdam was organized by Prof Petra Bittrich. Topic of the visit was the introduction of the research activities of ATB in the field of sustainable bioenergy utilization. The participants visited the biogas laboratories of ATB, the energy plantations and got impressions on further research topics in the field of Bioeconomy. After visiting the Research Institute, the participants used the chance to visit the historical city of Potsdam.



**We express our great gratitude to the participants of the study visit and the team member of the HTW organization team for the successful study visit and we are looking forward to welcome our Ukrainian partner as soon as possible in Berlin too.**

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### News from KhNAHU

#### Continuation of training of environmental specialists under martial law in Ukraine.

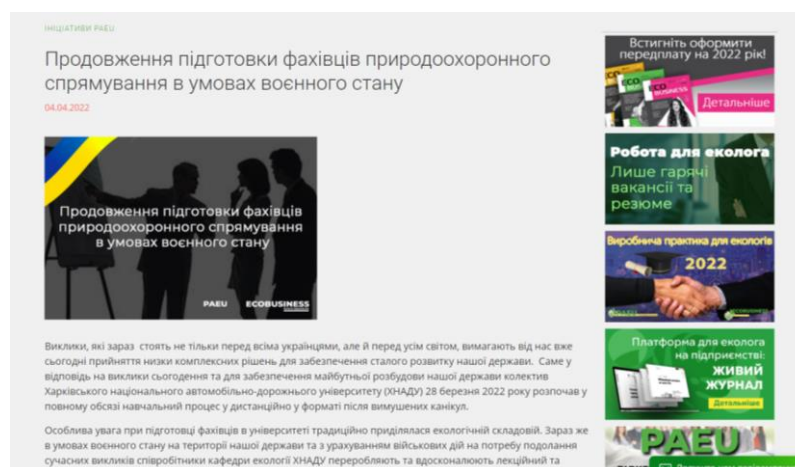
The challenges that now face not only all Ukrainians, but also the whole world, require us today to make a number of comprehensive decisions to ensure the sustainable development of our country. In response to the challenges of today and to ensure the future development of our state, the staff of the Kharkiv National Automobile and Highway University (KhNAHU) on March 28, 2022 began a full educational process in the distance in the format after the forced vacation.

Special attention in the training of specialists at the university has traditionally been paid to the environmental component. Currently, in the martial law in our country and taking into account military action to overcome modern challenges, the staff of the Department of Ecology of KhNAHU reworks and improves lecture and practical material for training applicants of all levels of higher education in 101 Ecology, taking into account approaches to forecasting, assessing restoration of created beligerative landscapes. Moreover specialists of KhNAHU cooperate with Ministry of Ecology of Ukraine and Professional Association of ecologists of Ukraine on development of the legislation in Ukraine for dealing with environmental damage in the result of military actions.

Special mention should be made of the work of specialists of the Department of Ecology, which is constantly carried out within the international ERASMUS + project "Synergy of educational, scientific, managerial and industrial components for climate management and climate change prevention: (CLIMAN) 619119-EPP-1-2020-1-NL-EPPKA2 -CBHE-JP, on the study of the causal links of local climate change caused by hostilities and the development of measures to mitigate them.

The currently laid grains of environmental knowledge will surely germinate and become a dense forest or a flowering meadow of our future - our bright and environmentally safe future.

The specialists of KhNAHU published the article about their activities, screenshot of which you will find below.



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### **News from Lviv Polytechnic National University**

Classes in the "Climate Management" subject block have begun.

All courses are now available for the ECA (Environmental Control and Audit) Master.

#### **Specialization Climate Management**

1. Climate change adaptation strategy – 6 ECTS credits. Olena Popovych, associate professor, PhD. (compulsory course)
2. Analysis of anthropogenic factors of climate change – 6 ECTS credits. Ivan Tymchuk, associate professor, PhD. (optional course)
3. Analysis of anthropogenic factors of climate change (course project) – 3 ECTS credits. Ivan Tymchuk, associate professor, PhD. (optional course)
4. Climate management – 4 ECTS credits. Oksana Liuta, associate professor, PhD. (optional course)
5. The concept of sustainable development of state climate policy – 5 ECTS credits. Nataliya Vronska, associate professor, PhD. (optional course)
6. Inspection activities – 3 ECTS credits. Zoriana Odnorih, associate professor, PhD. (optional course)

List of students who have chosen this course:

1. Nataliia Bohach
2. Vasylyna Halii
3. Oleksandr Hnatiuk
4. Roman Zavatskyi
5. Oleh Kotys
6. Sofiia Krokhina
7. Kateryna Kudenchuk
8. Oleh Mandryha
9. Sofiia Omelianova
10. Maksym Starosilets



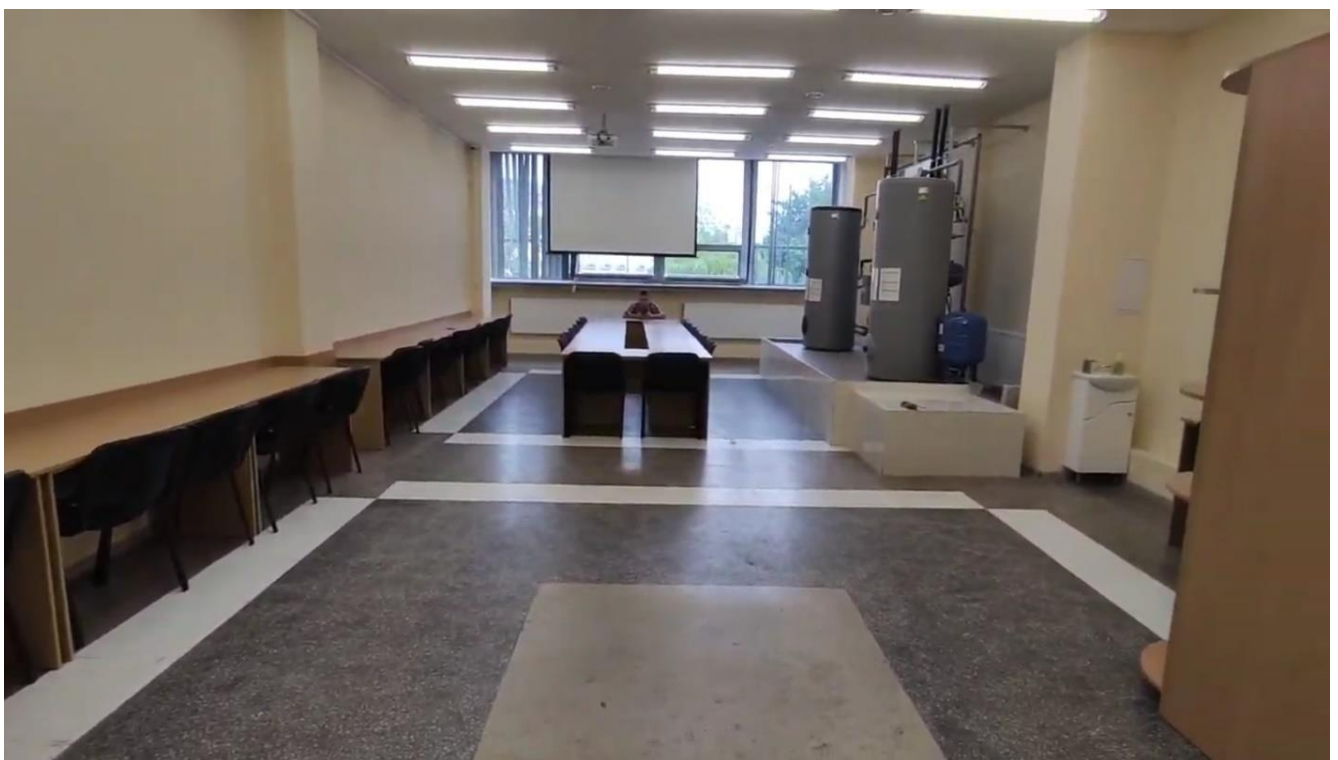
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### **2. WP4 – Establishment of the Climate Management Center (CMC)**

Organizational and technical activities related with the creating of the Climate Management Center (CMC) at Lviv Polytechnic were performed, in particular:

2.1) developed and approved the Regulations of CMC in Lviv Polytechnic;

2.2) repair and construction works and technical equipment of the CMC premises in Lviv Polytechnic were performed at the address Karpinskoho Str., 8, Lviv;



2.3) Climate Management Center includes a training and production unit of renewable energy sources, which includes solar panels and heat pumps. This unit is used for educational purposes and for water heating in dining room complex of Lviv Polytechnic;

2.4) an Agreement on Cooperation was signed between Lviv Polytechnic and Lviv City Utility Company "Green City", which is a structural unit of the Lviv City Council and deals with issues of green building and implementation of sustainable development technologies in the field of waste management and disposal;

2.5) preparations have been made for the transfer of WP-4 organization and support to Lviv Polytechnic since the former Belarussian partners are currently not active within the Project;

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2.6) on January 20, 2022, an online meeting was organized and held in WinTeams to intensify activities of Project Partners on WP-4, for exchanging the experience and ideas between the Partners on the main priorities and objectives of the CMCs in the Partner Universities;

2.7) special emphasis in CMC activities was proposed to do on long-term analyzes of changes in climatic parameters of precipitation in the cities of the Project partner universities, with the establishment of trends in both annual precipitation depth and maximum daily rainfall depths, as well as maximum rainfall intensities in the form of local Intensity – Duration – Frequency (IDF) dependencies; obtaining the input data for such a long-term analysis in cooperation with local authorities of Hydrometeorological Services were discussed;

2.8) a step-by-step plan for the implementation of WP-4 tasks for February-March 2022 was drawn up and approved.

Web meeting address from 20.01.2022:

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ODE5MDkxYTktMGYxNC00ZmE0LWEwYjQtN2M1ZmVjMjM3ODg2%40thread.v2/0?context=%7b%22Tid%22%3a%227631cd62-5187-4e15-8b8e-ef653e366e7a%22%2c%22Oid%22%3a%226898a3c8-f48c-47cc-8fac-fe031ef6d147%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODE5MDkxYTktMGYxNC00ZmE0LWEwYjQtN2M1ZmVjMjM3ODg2%40thread.v2/0?context=%7b%22Tid%22%3a%227631cd62-5187-4e15-8b8e-ef653e366e7a%22%2c%22Oid%22%3a%226898a3c8-f48c-47cc-8fac-fe031ef6d147%22%7d)



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### **Announcement of the upcoming event**

#### **STUDY VISIT AND TRAINING**

**Turiba University, Latvia**

**19.04.2022-23.04.2022.**

Turiba University welcomes you to participate in our joined five-day study visit and training, focused on teaching and education in Climate Management and Sustainable Development.

We will be happy to share our experience in teaching students topics related sustainable management and climate change. Our experts will share the experience, demonstrate our methods and approaches and innovative teaching techniques. Our partner organizations and experienced professionals will give you insight in climate management and sustainability initiatives implemented in education process and in Latvia in general.

On 20.and 21.04.2022 you will have the opportunity to participate in our International Scientific conference “Communication and development of interdisciplinary competences in the digital age”. More information about the conference: <https://www.turiba.lv/en/research/scientific-conference>

You are welcome also to submit your **scientific article for publication** in our scientific Journal Acta Prosperitatis. Submission deadline for abstract is **15.02.2022.**, submission deadline for article - **1.03.2022.**

If you plan to submit the article or do the presentation in any of the thematic sections on 22.04.2022., please also register **ADDITIONALLY** for the conference here: <https://www.turiba.lv/en/research/scientific-conference>

**Target group** – teachers, researchers, experts in climate management and sustainability, administrative staff of the universities and interested students and alumni.

#### **Form of the Study visit / training**

You can participate on-site or online.

Study visit / Training will be organise in form of lessons, discussions, meetings with experts and study visits. We will provide on-line stream in Cisco WEBEX platform. Please note, study visits will not be streamed on-line.

Registration for participation (both: on-site and on-line participants have to register):

<https://forms.gle/vNGdEuEf8EjTcF5X6>

On-line Stream link will be provided closer to the event.

#### **Arrival and participation.**

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According to current regulations we can host on-site only vaccinated participants and non-vaccinated participants arriving from the countries where are 75 Covid-19 cases per 100000 inhabitants (at the moment from project partner countries – only Ukraine). Please note, situation might change in case if covid-19 statistics in related country grows. List is published every Friday.

Recognized vaccines in Latvia:

- from the 22nd day until the 90th day after receiving the 1st dose of the Vaxzevria (AstraZeneca)\* vaccine:
  - in order to also be considered vaccinated against Covid-19 three months after receiving the first dose, the person must have received a booster dose by the 90th day;
  - after being vaccinated, the person continues to have the status of a vaccinated person, but if the booster dose is not received by the 90th day, the person can no longer be considered vaccinated.
- from the 15th day after being fully vaccinated with any other vaccine registered by the European Medicines Agency or an equivalent vaccine registered by a regulator or recognised by the World Health Organisation in accordance with the instructions for use of the vaccine:
  - Comirnaty (Pfizer) (two doses required);
  - Moderna (two doses required);
  - Janssen (one dose required);
  - AstraZeneca "Vaxzevria"(two doses required).

At the University in on-site classes can enter only vaccinated representatives.

There is possibility to do the test at the territory of the University, costs 15 Euro. Test results come in 10 minutes.

Official State information about restrictions can be found here: <https://covid19.gov.lv/en>



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**Provisional programme of study visit/ training**

Arrival 18.04.2022.

19.04.2022.	<p>Introductions, Tour in University, lectures and workshops on innovative teaching methods and approaches. Lecture about climate management education in Latvia.</p> <p>Workshop – how to better understand and define necessary Competences and skills of the students.</p>
20.04.2022.	<p>Participation in Turiba Conference „Communication and the Development of Interdisciplinary Competencies in the Digital Age”</p> <p>Networking dinner</p>
21.04.2022.	<p>9:00-12:00</p> <p>Morning session – study visit</p> <p>12:00-17:00</p> <p>Afternoon – participation in parallel session on Climate management</p>
22.04.2022.	<p>Guests lectures and discussion on topic of circular and sharing economy, sustainable business.</p>
23.04.2022.	<p>Study visit</p> <p>Final discussions, evaluation, conclusions.</p>

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Departure 24.04.2022.

### **About the University**

Turība University is leading and biggest private University in Latvia. We specialise in Business and Tourism education, offer bachelor master and Phd level studies in English and Latvian.

If you would like to learn more about the University, please look for info here: [www.turiba.lv](http://www.turiba.lv)

University is located on Graudu street 68, in district called Ziepniekkalns, some 10 minutes driving from airport and around 20 minutes from the city center.

Turība has its own student campus.

### **From the airport**

From the airport you can get to the city centre by taxi or public transport. Next to the airport there is public transport stop – bus nr.22. This bus will bring you to the centre. You can buy the public transport ticket next to the exit of terminal E little Narvesen shop. It costs around 2 EURO.

Also you can take the taxi from the airport. It costs around 15 Euro to get to the city center. We strongly suggest you to take **ONLY** BATIC taxi (green cars) or RedCub Taxi.

### **How to get to the University**

You can reach the University from the center by trolleybus or train.

From the center take trolleybus Nr.27 and get out on the stop “Graudu iela”. University is couple of minutes’ walk from the stop.

If you choose train, take the train from main train station (Direction “Jelgava”) and get off on 3rd Stop called “Biznesa augstskola Turība”. You will see the University just inform of the train station.

More information here: <https://www.turiba.lv/en/contacts/how-to-find-us>

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### **ABOUT THE PROJECT**

**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***

***Project duration:*** 15.11.2020-14.11.2023

***Project Coordinator:*** Netherlands Business Academy, the Netherlands.

***Project Co-Coordinator:*** KROK University.

#### ***Partners:***

- Foggia University, Italy;
- University of Applied Sciences, Germany;
- Mykolas Romeris University, Lithuania;
- Turība University, Latvia;
- Kharkiv National Automobile and Highway University, Ukraine;
- Lviv Polytechnic National University, Ukraine;
- Akaki Tsereteli State University Kutaisi, Georgia;
- Batumi Shota Rustaveli State University, Georgia;
- Hultgren Nachhaltigkeitsberatung UG, Germany.

***The aim of the project*** is to help the universities of Georgia, the Republic of Belarus and Ukraine to become centers for the development of research of climate management to accelerate integration into the global climate market and to meet global climate regulation requirements by acquiring best European practices in the field of climate change prevention, adaptation and mitigation.

***The specific objectives*** of the project are as follows:

1. Update the existing master degree programs by developing an interdisciplinary training module "Climate Management".
2. Establish consulting Climate Management Centers at partner universities and ensure their sustainable development.

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3. Facilitate the development and strengthening of institutional capacity of partner universities aiming to develop recommendations for the industrial, transport, energy, tourism sectors and local authorities in the sphere of climate change prevention, adaptation and mitigation.

#### ***Expected results:***

- Updated Master Degree Program by means of development and implementation of Training Module “Climate Management”.
- Trained staff.
- Consulting Centers of Climate Management are established at partner universities.
- Developed “roadmap” of cooperation between the industrial, transport, agricultural and tourism sectors and local authorities on the implementation of climate management policy.
- Qualified climate managers.

**The Project is co-funded by the Erasmus+ Program of the European Union.**