



VILNIUS
TECH

Vilniaus Gedimino
technikos universitetas



UNIVERSITY
OF ŽILINA

DESIGN OF JOINT MASTER PROGRAM IN NATIONAL AVIATION UNIVERSITY: **OUR PATH, CHALLENGES AND PERSPECTIVES**

Dmytro Shevchuk, Sc.D. in Technics – project coordinator,
National Aviation University, Kyiv, Ukraine

Olga Katerna, PhD in Economics – senior expert, National
Aviation University, Kyiv, Ukraine



“DIMSTE” PROJECT

101082378-EDU-2022-EMJM-DESIGN



PROJECT NAME

DIMSTE PROJECT -
Design of International
Master Program in
Sustainable Transport
Engineering



PROJECT GOAL

the main goal of DIMSTE project is to design an a two-year international master program in Sustainable Transport Engineering. In addition to National Aviation University the consortium will combine two European universities: Vilnius Gediminas Technical University, University of Zilina.



PROJECT OBJECTIVES

Admission requirements, evaluation criteria and awarding procedures for the applicants; Elaboration of the joint curriculum; teaching baseline; Development of modules and case study projects; Preparation for the future accreditation by the Ministries of education and science of participating countries; Development and signing of the EMJM Partnership Agreement

Project Timeline



01 02 03 04 END

IDEA AND PARTNERS

how we came up with an idea, about our partners and project's team

IMPLEMENTATION

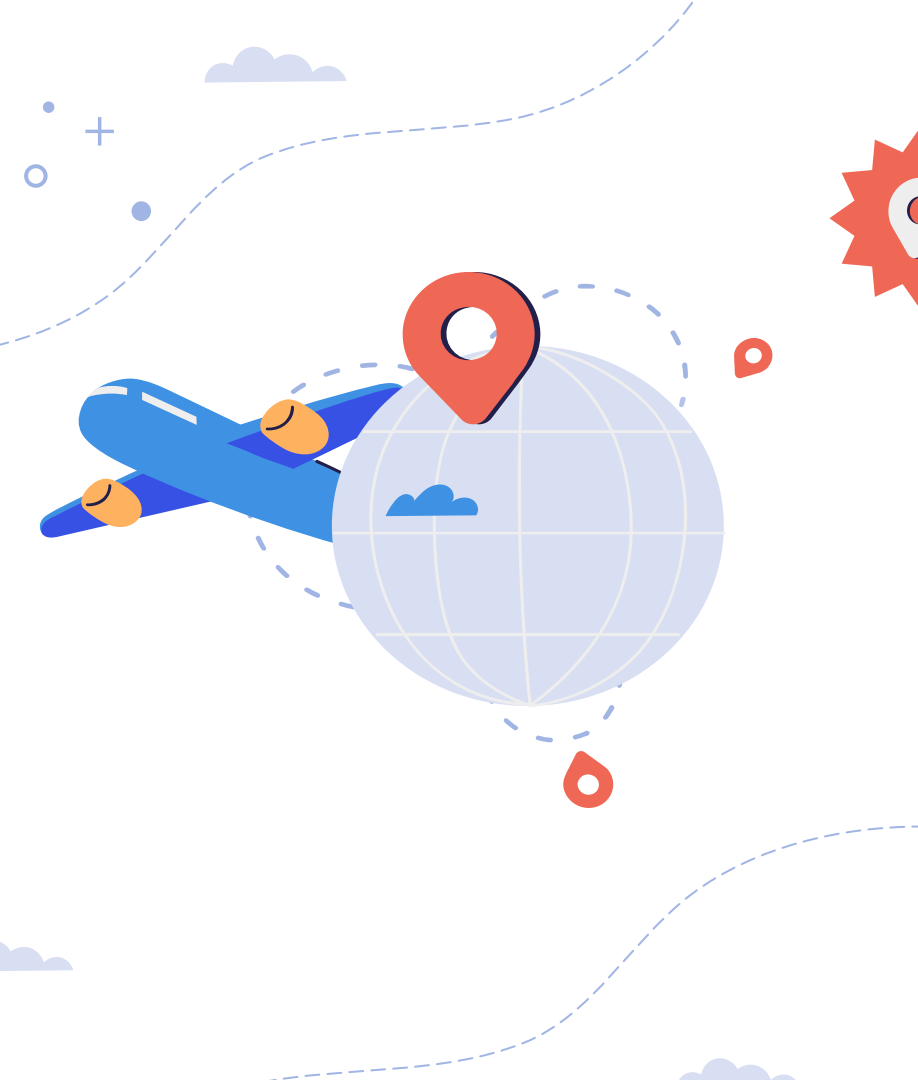
what was done and what is to be done

PROJECT REGISTRATION

project proposal, project registration both in EU and Ukraine

END

The final steps of DIMSTE project



01

IDEA AND PARTNERS

EUROPEAN TRANSPORT SYSTEM'S SUSTAINABLE AND SMART MOBILITY STRATEGY



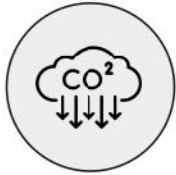
FLAGSHIP 1
zero-emission vehicles,
renewable & low-carbon
fuels



FLAGSHIP 2
zero-emission airports
and ports



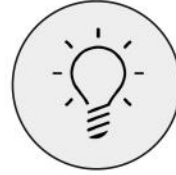
FLAGSHIP 3
sustainable and healthy
interurban and urban
mobility



FLAGSHIP 4
greening freight
transport



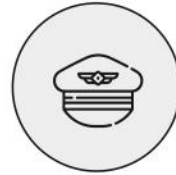
FLAGSHIP 5
connected and
automated multimodal
mobility



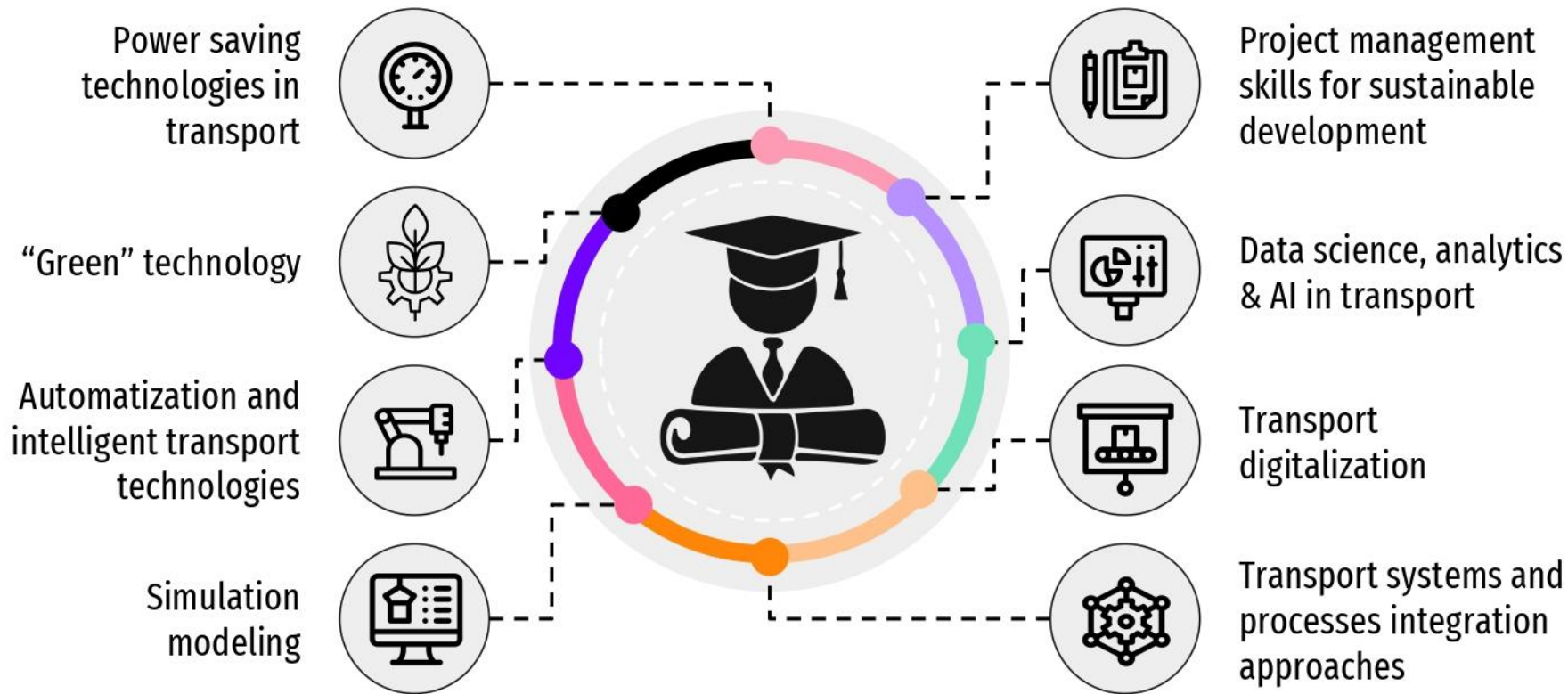
FLAGSHIP 6
innovation, data and AI
for smart mobility



FLAGSHIP 7
making mobility fair and
just for all



FLAGSHIP 8
enhancing transport
safety and security





**VILNIUS GEDIMINAS
TECHNICAL UNIVERSITY,
VILNIUS TECH**



**NATIONAL
AVIATION
UNIVERSITY, NAU**



**UNIVERSITY OF
ZILINA, UNIZA**



Assoc. Prof. Dr Olena Sokolova, project manager (NAU)

Prof. Dr Dmytro Shevchuk, coordinator (NAU)

Prof. Dr Olegas Prentkovskis, senior expert (VILNIUS TECH)

Assoc. Prof. Dr Grygoriy Mozolevych, senior expert (NAU)

Prof. Andrej Novák, PhD, senior expert (UNIZA)

Assist. Prof. Kostiantyn Cherednichenko, expert (NAU)

Prof. Dr Edgar Sokolovskij, senior expert (VILNIUS TECH)

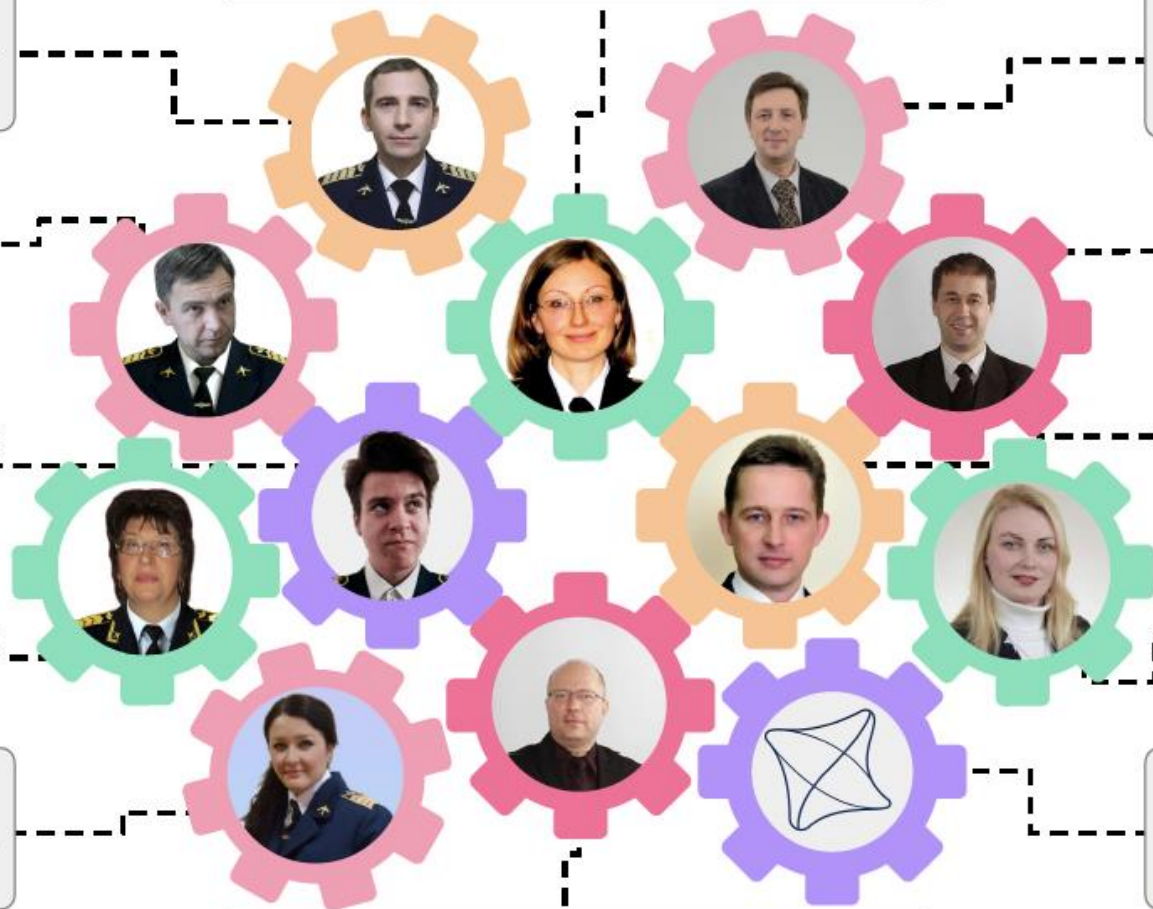
Prof. Dr Alla Novikova, senior expert (NAU)

Assoc. Prof. Dr Kristina Ciziuniene, senior expert (VILNIUS TECH)

Assoc. Prof. Dr Olha Katerna, senior expert (NAU)

Assoc. Prof. JUDr. Alena Novák Sedláčková, PhD., senior expert (UNIZA)

Assoc. Prof. Martin Bugaj, PhD, senior expert (UNIZA)






02

PROJECT PROPOSAL

PROJECT PROPOSAL

Associated with document Ref. Ares(2022)5210977 - 18/07/2022

Proposal Evaluation Form		
	EUROPEAN COMMISSION Erasmus+ Programme (ERASMUS)	Evaluation Summary Report

Call: ERASMUS-EDU-2022-EMJM-DESIGN
Type of action: ERASMUS-LS
Proposal number: 101082378
Proposal acronym: DIMSTE
Duration (months): 16
Proposal title: Design of International Master program in Sustainable Transport Engineering
Activity: ERASMUS-EDU-2022-EMJM-DESIGN

N.	Proposer name	Country	Total Cost	%	Grant Requested	%
1	NATIONAL AVIATION UNIVERSITY	UA	0	-	65,000	100.00%
Total:			0		65,000	

Abstract:

Transport is one of the main spheres of collaboration between EU and Ukraine according to the Association Agreement between UA and EU. To answer the demands of the market in highly qualified international specialists in transport engineering with focus on sustainability issues, the main objective of DIMSTE project is to design an international Master program in Sustainable Transport Engineering. This two-year program aims to bring together Transport Engineering, Air Transport, Energy and Environment. In addition to National Aviation University the consortium will combine two European universities: Vilnius Gediminas Technical University, University of Zilina. All involved partners have strong background and teaching history in the proposed area.

Main target groups of the DIMSTE project: students with Bachelors Degree; involved institutions; employers; Ministries of education and science.

The outputs will include JOINT:

Students' admission requirements, evaluation criteria and awarding procedure;

Curriculum, modules and case-study projects;

EMJM Partnership Agreement, and student's agreement;

self-estimation report of the designed Joint Master program correspondence to the European Quality Assurance Standards in Higher Education Area;

Project website and Facebook page in English.

To achieve the objective, the following core activities will be done within DIMSTE project:

creation of a joint working group, functioning for documentation harmonizing;

business trips to the partner institutions to learn their teaching approaches, quality standards and transfer knowledge in aviation between EU and UA;

UA;

final workshop of the consortium for signing of the EMJM Partnership Agreement in Kyiv;

self-estimation of the designed Joint Master program quality.

Evaluation Summary Report

Evaluation Result

Total score: 74.00 (Threshold: 60)

Ref. Ares(2022)5468453 - 29/07/2022



EUROPEAN EDUCATION AND CULTURE EXECUTIVE AGENCY (EACEA)

EACEA.A – Erasmus+ EU Solidarity Corps
A.3 – Erasmus Mundus, Sport

Viktorii IVANNIKOVA
NATIONAL AVIATION UNIVERSITY
LIUBOMYRA HUZARA AVENUE BUILDING
NR 1
03068 KYIV
UKRAINE

Subject: Erasmus+ Programme (ERASMUS)
Call: ERASMUS-EDU-2022-EMJM-DESIGN
Project: 101082378 — DIMSTE
GAP invitation letter

Dear Applicant,

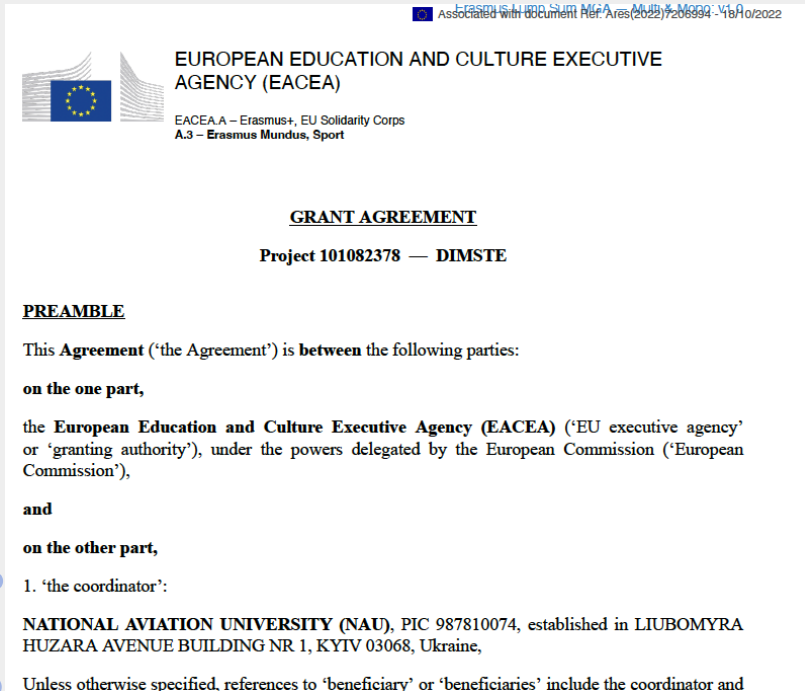
I am writing in connection with your proposal for the above-mentioned call.

Having completed the evaluation, we are pleased to inform you that your proposal has passed this phase and that we would now like to start grant preparation.

Please find enclosed the evaluation summary report (ESR) for your proposal.

[Invitation to grant preparation](#)

GRANT AGREEMENT



Many thanks to Virgilio Miolato – Project Officer from EU

PROJECT REGISTRATION IN UKRAINE



МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ

пр-кт Берестейський, 10, м. Київ, 01135, тел. (044) 481-32-21, факс (044) 481-47-96
E-mail: mon@mon.gov.ua, код ЄДРПОУ 38621185

Секретаріат Кабінету Міністрів України

Про підтримку реєстрації проекту
№ 101082378

Відповідно до Порядку залучення, використання та моніторингу міжнародної технічної допомоги, затвердженого постановою Кабінету Міністрів України від 15.02.2002 № 153 (зі змінами), Міністерство освіти і науки України підтверджує готовність виступати бенефіціаром та надає свою згоду на провадження діяльності в межах проекту міжнародної технічної допомоги «Розробка міжнародної програми підготовки ОС «Магістр» зі сталої транспортної інженерії», № 101082378.

Проект впроваджується Національним авіаційним університетом і фінансується Європейським Союзом в межах програми Erasmus+. Реципієнтом допомоги за проектом в Україні є Національний авіаційний університет.

Проект відповідає завданням, визначеним ст. 431 Глави 23 Угоди про асоціацію між Україною, з однієї сторони, та Європейським Союзом, Європейським

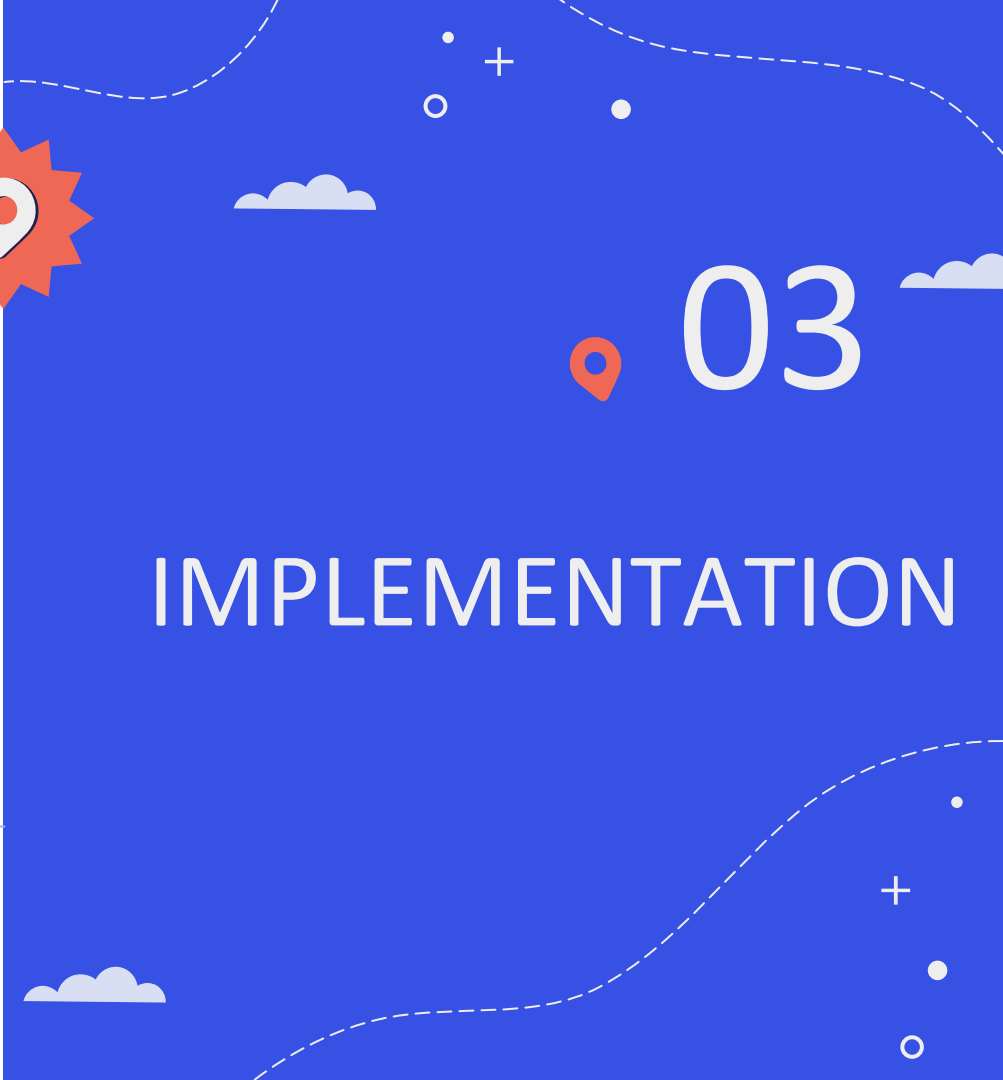


Many thanks to Veronika Tkachenko – Manager in National Erasmus+ Office in Ukraine



03

IMPLEMENTATION



A KICK-OFF MEETING

VILNIUS TECH
Vilniaus Techninis Universitetas

UNIVERSITY OF ZILINA

1 of International Program in Sustainable Transport Engineering

Coordinator – Dmytro Shevchuk, National University, Kyiv, Ukraine

ECT: NAU, VILNIUS TECH, ZIL...

Assoc. Prof. Dr Olena Sakhelava, project manager (NAU)

Prof. Dr Olegas Priedvorokas, senior expert (VILNIUS TECH)

Prof. Andrej Novik, PhD, senior expert (UNIZA)

Prof. Dr Edgar Sekelovskis, senior expert (VILNIUS TECH)

Assoc. Prof. Dr Kristina Cisarova, senior expert (VILNIUS TECH)

Assoc. Prof. Zilber, Ilana Novak Sedlakova, PhD, senior expert (UNIZA)

Assoc. Prof. Martin Hugi, PhD, senior expert (UNIZA)

ECT: NAU, VILNIUS TECH, ZIL...

07 Innovation, Organization, and Service Learning in Sustainable Transportation Systems: Models and Applications

06 Sustainable Technologies in Sustainable Transportation Engineering

05 Specialization in Air Transport Engineering

04 Management in Sustainable Transportation Systems

03 Study of Sustainable Transport Policies in Europe

02 Sustainable Transport Systems and Technology

01

ECT: NAU, VILNIUS TECH, ZIL...

Project management skills for sustainable development

Data science, analytics & AI in transport

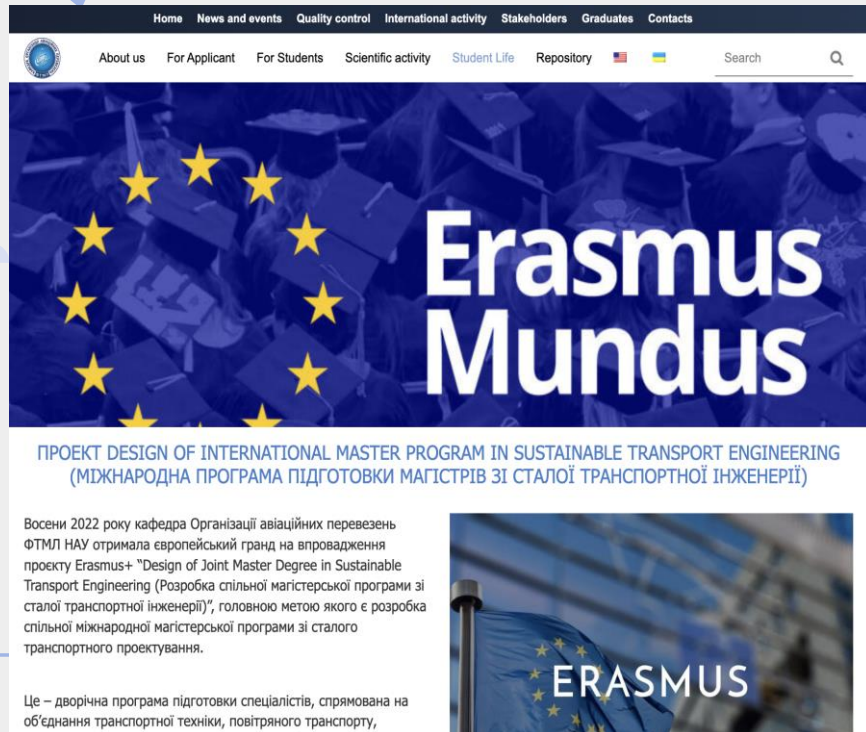
Transport digitalization

Transport systems and processes integration approaches

ECT: NAU, VILNIUS TECH, ZIL...

- Meeting with partners: Vilnius Technical University, Gediminas (Lithuania) and the University of Zilina (Slovakia).
- During the meeting, an educational program was reviewed. Main provisions, goals, application methods and additional disciplines, as well as program competencies, were discussed

SOCIAL MEDIA



The screenshot shows the website's header with navigation links: Home, News and events, Quality control, International activity, Stakeholders, Graduates, and Contacts. Below the header is a secondary menu with links: About us, For Applicant, For Students, Scientific activity, Student Life, and Repository. The main banner features a blue background with a pattern of graduation caps and the text "Erasmus Mundus". Below the banner, the text reads: "ПРОЕКТ DESIGN OF INTERNATIONAL MASTER PROGRAM IN SUSTAINABLE TRANSPORT ENGINEERING (МІЖНАРОДНА ПРОГРАМА ПІДГОТОВКИ МАГІСТРІВ ЗІ СТАЛОЇ ТРАНСПОРТНОЇ ІНЖЕНЕРІЇ)". A paragraph of text describes the project's goal: "Восени 2022 року кафедра Організації авіаційних перевезень ФТМЛ НАУ отримала європейський гранд на впровадження проекту Erasmus+ "Design of Joint Master Degree in Sustainable Transport Engineering (Розробка спільної магістерської програми зі сталої транспортної інженерії)", головною метою якого є розробка спільної міжнародної магістерської програми зі сталою транспортного проектування." To the right of this text is a small image of the European Union flag. At the bottom left, there is a short description: "Це – дворічна програма підготовки спеціалістів, спрямована на об'єднання транспортної техніки, повітряного транспорту,".

DIMSTE PROJECT WEBSITE

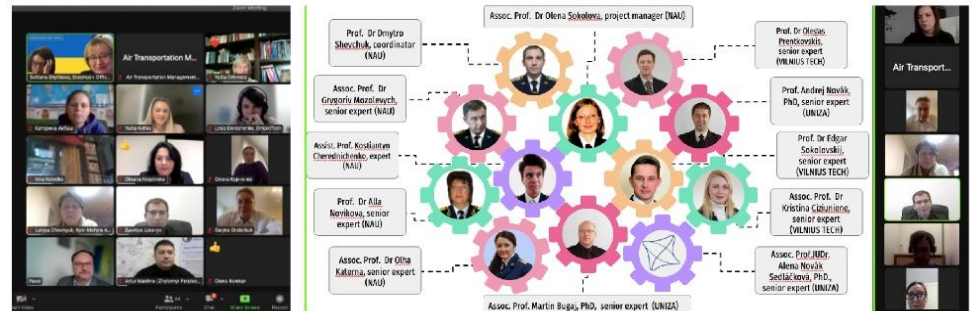
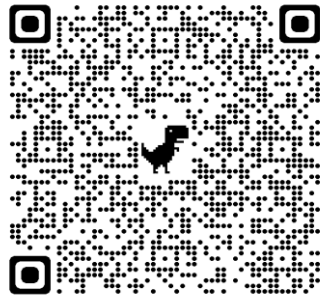


The screenshot shows the Facebook page for the "Erasmus Mundus" project. The page header includes the Facebook logo and navigation icons. The main banner features a blue background with a pattern of graduation caps and the text "Erasmus Mundus". Below the banner is the project's logo, a circular emblem with the text "Організація авіаційних перевезень ФТМЛ НАУ". The page title is "Міжнародна програма підготовки зі сталої транспортної інженерії". Below the title, it says "1 "Нравится" · подписчик: 1". There are buttons for "Сообщение", "Нравится", and "Поиск". The page content includes a section for "Публикации" with a button "Переклучить" and a section for "Краткая информация" with a button "Переклучить". The URL at the bottom is "om/photo/?fbid=112129028541217&set=a.112129051874548".

DIMSTE PROJECT FACEBOOK PAGE

ERASMUS+ “STRENGTHENING THE CAPACITY OF UKRAINIAN EDUCATION FOR THE EUROPEAN INTEGRATION”

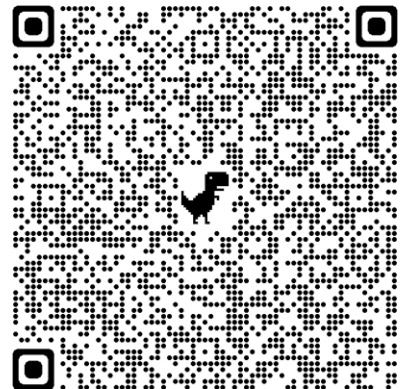
presented our DIMSTE PROJECT - “Design of Joint Master Degree in Sustainable Transport Engineering”





35TH ANNIVERSARY OF ERASMUS+ CLOSING EVENT

took part in 35th Anniversary of Erasmus+ Closing Event



Go to www.erasmus+europa.eu/erac/40274000

In three words, what does Erasmus+ mean to you?

ERASMUS+ 1987-2022

EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR EDUCATION, YOUTH, SPORT AND CULTURE
Work, Knowledge and Erasmus+
Erasmus+ Your Mobility

Dear Participant,

We would like to express our sincere gratitude for your participation in the Erasmus+ 35th Anniversary Closing event held on 14th December in Brussels.

We hope you had a positive experience throughout the day and found value in the opportunity to network and learn from your peers, but also to create lasting memories.

The event was for us an occasion to promote the priorities and objectives of the programme, and to appreciate participants' interest and supported projects that can inspire you. We hope you enjoyed the activities that took place during the event. Your valuable inputs will be very useful to improve the implementation of the Erasmus+ programme over the next years.

It is our pleasure to share with you the photos from the event, that will allow us to relive those moments: [Erasmus+ 35 Years to 2022 - 35th Anniversary Closing Event](#) accessible with the password ERASMUS35.

Thank you again for being part of the Erasmus+ community, and we hope to see you at future events.

Yours faithfully,

Erasmus+ 1987-2022

EUROPEAN COMMISSION

also be compatible with the rest of our political priorities as Europeans. First of all, democracy through Erasmus, we will support

Go to www.erasmus+europa.eu/erac/40274006

To what emerging issues could/should Erasmus+ be an answer (and how)?

Biodiversity	Climate change	Accepting importance of youth work and non-formal education
Engagement of the youth	Stereotypes and narrow mindsets	Climate change digitalisation
Life-Long learning, the European way	More inclusion and helping those with life issues	Climate change
Digitalisation	Transnational collaboration	Non-formal education

CERTIFICATE OF ATTENDANCE
This is to certify that:
Kostiantyn Chernyshchenko

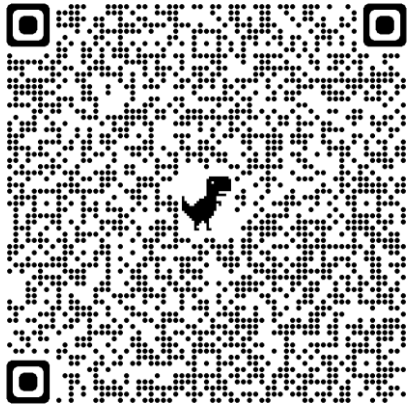
attended the Erasmus+ 35th Anniversary Closing Event held in Brussels, Belgium on 14 December 2022.

The event was organised by the European Commission, Directorate-General for Education, Youth, Sport and Culture, Erasmus+ Coordination Unit

has actively participated in the discussions about key achievements and challenges of Erasmus+ programme for education, training, youth, and sport, and valuably contributed to the success of the event.

INTERNSHIP AT VILNIUS TECH

“Sustainable transport system and technologies” online internship in Vilnius Tech



Kostiantyn Cherednichenko
DIMSTE project team member



CERTIFICATE OF INTERNSHIP

This is to certify that

PhD student **Kostiantyn Cherednichenko**,

from the Department of Air Traffic Organization of the National Aviation University (Kyiv, Ukraine),

has performed an internship at the Vilnius Gediminas Technical University – VILNIUS TECH (Vilnius, Lithuania).

Topic of the internship: **Sustainable Transport Systems and Technologies**

Type of the internship: **pedagogical / scientific**

Form of the internship: **distance learning**

Term of the internship: **1 February – 31 March 2023**

Total: **30 academic hours**

The internship was performed at the Faculty of Transport Engineering of the VILNIUS TECH

Dean of the Faculty of Transport Engineering

Prof. Dr. Olegas Prentkovskis

Supervisor of the Internship

Assoc. Prof. Dr. Paulius Skakauskas

VILNIUS TECH, Lithuania



31 March 2023

AMPS/AVN/serloch.K



EUROPEAN ACADEMY OF SCIENCES

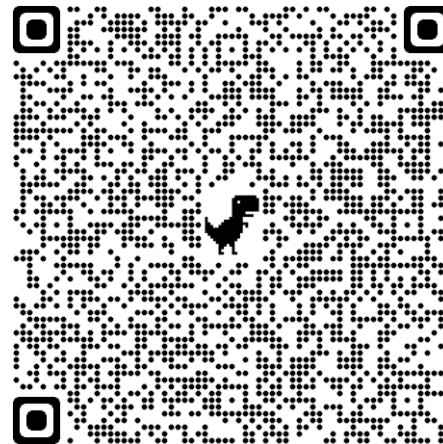
IN SUPPORT OF EXCELLENCE IN SCIENCE AND TECHNOLOGY



Olga Katerna
DIMSTE project team member

INTERNSHIP AT EUROPEAN ACADEMY OF SCIENCES

‘Science and Education: European
experience’ internship in European
Academy of Sciences



PARTNERSHIP WITH PROMOBILITY



Dmytro Beshpalov (ProMobility) and Dmytro Shevchuk (project coordinator)

МЕМОРАНДУМ ПРО СПІВПРАЦЮ

м. Київ

«17» лютого 2023 р.

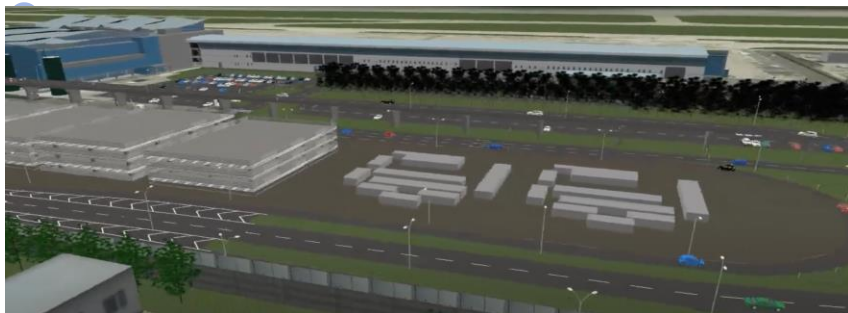
Факультету транспорту, менеджменту і логістики (ФТМЛ) Національного авіаційного університету, в особі декана Мостенської Тетяни Леонідівни, яка діє на підставі Положення про ФТМЛ і Товариство з обмеженою відповідальністю «БЕСПАЛОВ ЛАБ», в особі директора Беспалова Дмитра Олександровича, діючого на підставі Модельного статуту, надалі іменовані «Сторони», а окремо «Сторона», підписанням цього Меморандуму про співпрацю декларують, що об'єднують свої зусилля, для досягнення спільних цілей щодо підвищення компетентностей здобувачів вищої освіти, аспірантів та викладачів Факультету транспорту, менеджменту і логістики у транспортному моделюванні, шляхом впровадження програмного забезпечення «PTV Academic License» та студентських версій програмних продуктів PTV Visum та PTV Vissim в навчальний процес та для проведення наукових досліджень, включно із обміном методично-навчальними матеріалами, а також участі Сторін у спільних заходах, підготовці та виданні публікацій тощо.

1. ЗАГАЛЬНІ ПОЛОЖЕННЯ

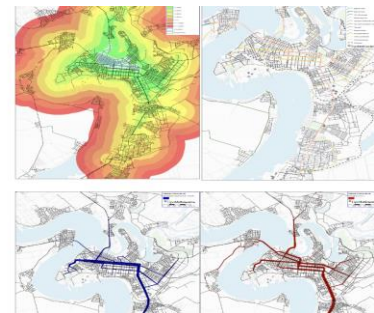
- 1.1. Цей Меморандум визначає принципи і напрями співпраці між його підписантами. Будь-яка діяльність в рамках цього Меморандуму на території України регулюється чинним законодавством.
- 1.2. Шляхом підписання цього Меморандуму Сторони підтверджують, що інтересам кожної з них відповідає спільна та узгоджена діяльність із дотриманням принципів рівноправності, відкритості, добросовісності та професійної етики.
- 1.3. Метою виконання цього Меморандуму сторони визнають наступні напрями взаємного співробітництва:
 - 1.3.1. Розвиток високого рівня відповідальності перед спільнотою експертів у сфері

Partnership agreement between NAU and BeshpalovLAB

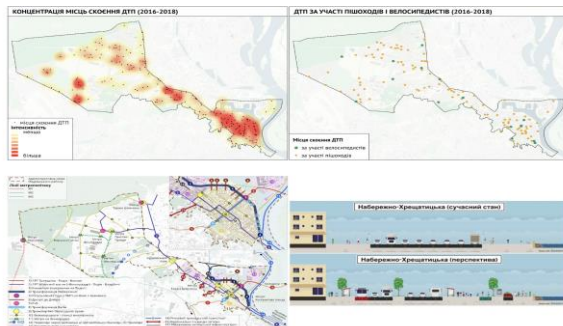
PTV SOFTWARE: VISUM, VISSIM, VISWALK



Model of Boryspil International Airport, Kyiv, Ukraine



Model of sustainable urban mobility plan for Mykolaiv city, Ukraine

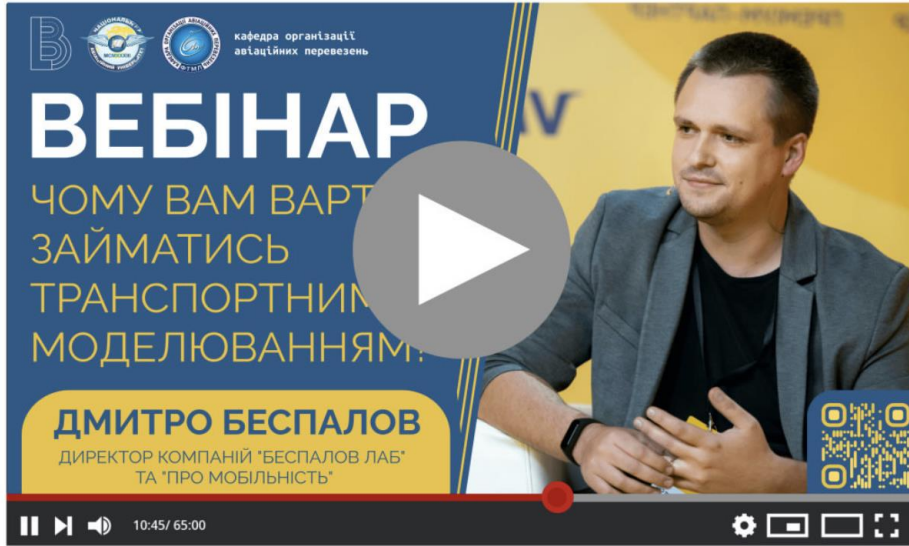


Concept of sustainable mobility for Podilsky District in Kyiv, Ukraine



Model passengers at an airport (PTV Group)

PARTNERSHIP WITH PROMOBILITY



Беспалов Лаб. Чому Вам варто займатись транспортним моделюванням?

Обговорення перспективи напрямку трансп...



5,5 М



0



ПОДІЛИТИСЬ

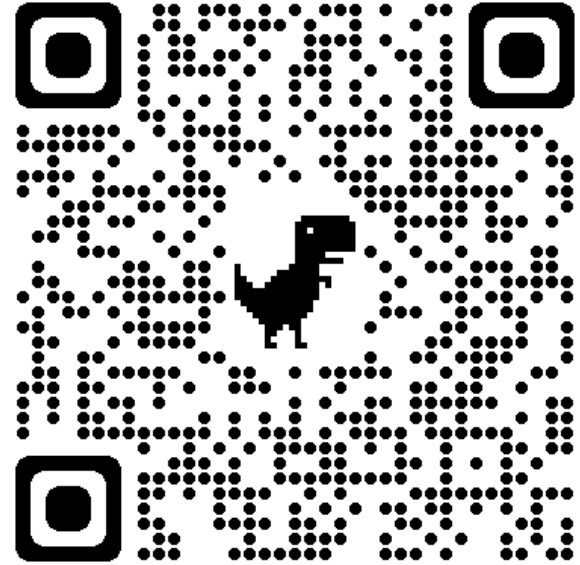


Air Transportation Management Department

@atmdepartment

ПІДПИСАТИСЬ

Dmytro Beshpalov (ProMobility) webinar



WHAT WE ALSO DID:

- Admission requirements, evaluation criteria and awarding procedures for the applicants to the new Joint/Double Master program in Sustainable Transport Engineering;
- Curriculum for the Joint/Double Master program in Sustainable Transport Engineering;
- Modules and case-study projects for the Joint/Double Master program in Sustainable Transport Engineering

WHAT WE ABOUT TO DO:

- The final project partners meeting;
- EMJM in Sustainable Transport Engineering Partnership Agreement;
- Self-evaluation report of the designed Joint / Double Master program in Sustainable Transport Engineering correspondence to the Quality Assurance Standards in the European Higher Education Area (ESG 2015).



03

THE END

EMJM IN SUSTAINABLE TRANSPORT ENGINEERING PARTNERSHIP AGREEMENT



UNIVERSITY
OF ŽILINA



**VILNIUS
TECH**

Vilniaus Gedimino
technikos universitetas

MANY THANKS TO:



EU AND UKRAINE ERASMUS+ OFFICES

- ERASMUS+ EUROPEAN OFFICE;
- VIRGILIO MIOLATO (PROJECT OFFICER FROM EU);
- ERASMUS+ OFFICE IN UKRAINE;
- VERONIKA TKACHENKO (MANAGER IN NATIONAL ERASMUS+ OFFICE IN UKRAINE)



**VILNIUS
TECH**

Vilniaus Gedimino
technikos universitetas



**UNIVERSITY
OF ŽILINA**

PARTNERS

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DESIGN OF JOINT MASTER PROGRAM IN NATIONAL AVIATION UNIVERSITY: **OUR PATH, CHALLENGES AND PERSPECTIVES**

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