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NEWSLETTER

No. 3, September 2025



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**Sustainable Transportation within the
Framework of Green Deal**

SPHERE-ERASMUS-EDU-2023-CBHE / Project Number: 101128065

Sustainable Transportation within the Framework of Green Deal

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This bulletin provides information on the latest SPHERE project activities



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**WITH THE BEST REGARDS,
SPHERE PROJECT TEAM**

4th TRAINING FOR TEACHING STAFF AT UNIVERSITY OF MARIBOR (UM)

The Training for teaching staff was hosted by the University of Maribor, Faculty of Civil, Transportation Engineering and Architecture, in Maribor, Slovenia on 27-29 May 2025. The training was chaired by Prof. Dr. Drago Sever. The main topics of the training were as follows:

- Sustainable urban mobility planning: A framework overview in the EU and Slovenia;
- Sustainable mobility as an important part of city development policy;
- Draft Handbook for ST training;
- Cycling as a part of sustainable mobility increases human health;
- Public transport in Slovenia – Accessibility and affordability issues;
- Experience in electrification of public passenger transport;
- SUMPs: Examples on local level.

Report at the [link](#).



INTER-PROJECT COACHING MEETING

The Inter-Project Coaching Meeting has been organized at University of Maribor (Slovenia) on 29th May 2025.

Coordinator of the SPHERE project Prof. Dr. Nebojša Arsić gave his introductory speech. Aleksandra Petrović from UPKM presented three projects - DGTRANS, PELMOB and RES-UNI. Nurmukhammad Abdukarimov from TTPU presented I2-PLEDGE project. Andrea Tonoli from PTT presented UNITED project. Slobodan Bojanic from UPM presented two projects - DESBEUz and WBNET. Milan Mišić from AASKM presented NEST4WB project. Shaukat Khakimov from TSTU presented INTELLIGENT TRANSPORT SYSTEMS project. Abduvokhid Yunusov from KIUT presented GREENDT project. Drago Sever from UM presented TRAFSAF project. Marjan Lep from UM presented two projects - LIFECARE4CLIMATE and GREENPATH.

After these presentations, Nebojša Arsić from UPKM shared insights regarding the execution of Erasmus+ initiatives and collaboration with non-academic entities. He emphasized the paramount importance of adhering strictly to EACEA regulations and fostering strong partnerships with non-academic stakeholders. Additionally, he underscored the value of drawing upon past project experiences to enhance the efficacy of future endeavors.

Report at the [link](#).



3rd SC MEETING AND 3rd PMC MEETING

The Third SC meeting has been organized at University of Maribor (Slovenia) on 27th May 2025. The main topics were:

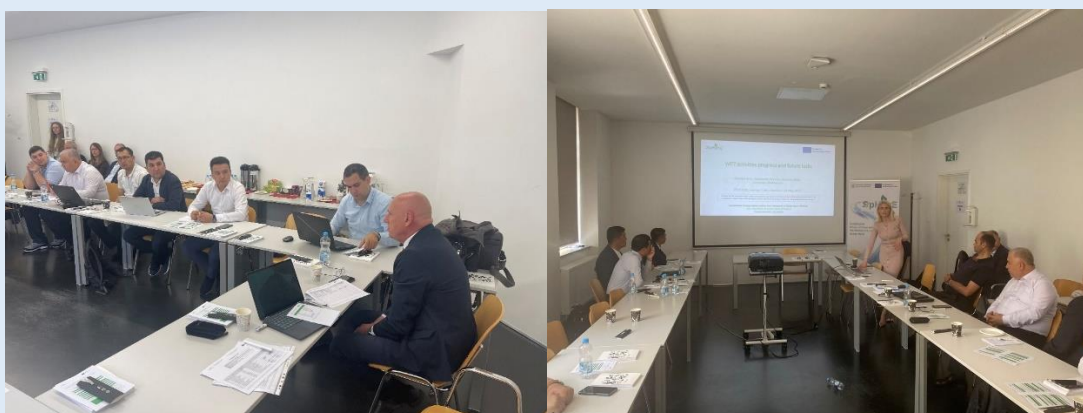
- Overview of realized project activities and future tasks;
- Financial and administrative issues;
- Second Risk monitoring document.

Report on 3rd SC meeting on the [link](#).

The Third PMC meeting has been organized at University of Maribor (Slovenia) on 28th May 2025. The main topics were:

- Information of all partners about WP3 activities progress – accreditation / modernization of study programs & establishment of ST laboratories;
- WP4 activities progress and future tasks;
- WP7 activities progress and future tasks.

Report on 3rd PMC meeting at the [link](#).



3rd QAC MEETING

The Third QAC meeting has been organized at University of Maribor (Slovenia) on 29th May 2025. The main topics were:

- Presentation of the First Internal quality assurance report;
- Discussion on the key issues for the assurance quality of the preparation technical part of the Progress report and Hiring external evaluator of the project.

Report the [link](#).



D3.3: CATALOGUE OF COURSES CREATED

The courses design have been defined by each Partner Country Higher Education Institution in accordance with wanted competences of undergraduate/graduate students. SPHERE content of courses and syllabi of undergraduate/master curricula have been developed taking into account planned activities, assignments and teaching materials that support student learning, as well as indicators of quality. Developed courses content and syllabi have been revised by EU HEIs and SPHERE catalogue of courses was prepared.

All six PC HEIs from Uzbekistan and Kosovo* created list of courses within undergraduate/graduate existing or new study programs as follows:

UPKM UNIVERSITY OF MITROVICA (UPKM)	Modernization of the bachelor study program	Road traffic and transport	5 courses	2 new	3 updated	30 ECTS
Turin Polytechnic University in Tashkent (TTPU)	Accreditation of the bachelor study program	Sustainable Transport	16 courses	15 new	1 updated	98 ECTS
Academy of Applied Studies of Kosovo and Metohija (AASKM)	Accreditation of the master study program	Road traffic and transport	6 courses	3 new	3 updated	36 ECTS
Toshkent Davlat Transport Universiteti (TSTrU)	Accreditation of the bachelor study program	Sustainable Transport	16 courses	15 new	1 updated	98 ECTS
Tashkent Kimyo International University (KIUT)	Accreditation of the bachelor study program	Sustainable Transport	16 courses	15 new	1 updated	98 ECTS
Jizzakh Branch National University Uzbekistan named after Mirzo Ulugbek (JNBNU)	Accreditation of the bachelor study program	Sustainable Transport	13 courses	13 new	0 updated	80 ECTS

Catalogue of new and upgraded SPHERE courses – UPKM

NO.	Title of course	New / upgraded	Obligatory / elective	Semester	ECTS
1	Introduction to sustainable transport development	New	Elective	4	6
2	Transport management	Upgrade	Elective	5	6
3	Sustainable urban mobility	New	Elective	7	7
4	GIS in traffic and transport	New	Elective	7	6
5	Traffic planning	Upgrade	Elective	8	5

Catalogue of new and upgraded SPHERE courses – AASKM

NO.	Title of course	New / upgraded	Obligatory / elective	Semester	ECTS
1	Sustainable development of road traffic	New	Obligatory	1	6
2	Information and communication technologies in traffic	Upgrade	Obligatory	1	6
3	Cargo transportation technology	Upgrade	Obligatory	2	6
4	Passenger transport technology	Upgrade	Obligatory	2	6
5	City logistics	New	Elective	3	6
6	Databases in transport and communications	New	Elective	3	6

Catalogue of new and upgraded SPHERE courses – TTPU, KIUT, TSTrU

NO.	Title of course	New / upgraded	Obligatory / elective	Semester	ECTS
1	Sustainable urban mobility	New	Obligatory	7	6
2	Green transport technologies	New	Obligatory	5,6	10
3	Green transport infrastructure	New	Obligatory	5	6
4	Intelligent and connected vehicle dynamics	Upgraded	Obligatory	6	6
5	Introduction to sustainable transportation	New	Obligatory	3	6
6	Organization of public transport	New	Obligatory	7	6
7	Traffic simulation modelling and applications	New	Obligatory	7	6
8	Design methodology in urban mobility	New	Obligatory	6	4
9	Diagnostics of EV and HEVs	New	Elective	7	6
10	EV/HEV manufacturing process	New	Elective	7	6
11	Battery storage systems	New	Elective	6	6
12	Sustainable transportation planning and policy	New	Elective	6	6
13	Traffic engineering and management	New	Elective	4,5	10
14	Sustainable development strategy and parking policy	New	Elective	6	6
15	Methodology of driver training	New	Elective	5	4
16	Presentation skills for students	New	Elective	1	4

Catalogue of new and upgraded SPHERE courses – JBNUU

NO.	Title of course	New / upgraded	Obligatory / elective	Semester	ECTS
1	Presentation skills for students	New	Elective	1	4
2	Introduction to sustainable transportation	New	Obligatory	3	6
3	Traffic engineering and management	New	Elective	4,5	10
4	Green transport infrastructure	New	Obligatory	5	6
5	Methodology of driver training	New	Elective	5	4
6	Green transport technologies	New	Obligatory	5,6	10
7	Sustainable development strategy and parking policy	New	Elective	6	6
8	Intelligent and connected vehicle dynamics	New	Obligatory	6	6
9	Design methodology in urban mobility	New	Obligatory	6	4
10	Sustainable transportation planning and policy	New	Elective	6	6
11	Organization of public transport	New	Obligatory	7	6
12	Sustainable urban mobility	New	Obligatory	7	6
13	Traffic simulation modelling and applications	New	Obligatory	7	6

D3.4: TEACHING STAFF TRAINED

Report on training of teaching staff summarizes information regarding training of teaching staff organized by the project partners in the framework of work package 3 “Development of ST curricula and laboratories” and activity 3.4 “Training of teaching staff”.

Four trainings organized by project partners i.e.

- 1st Training of teaching staff at TUC (Polytechnio Kritis), Chania, Greece, 09-13 September 2024: <https://sphere.pr.ac.rs/meeting-at-technical-university-of-crete-tuc/>
- 2nd Training of teaching staff at UPM (Universidad Politécnica de Madrid), Madrid, Spain, 19-21 November 2024: <https://sphere.pr.ac.rs/meeting-at-universidad-politecnica-de-madrid-upm/>
- 3rd Training of teaching staff at PPT (Politecnico di Torino), Turin, Italy, 03-07 February 2025: <https://sphere.pr.ac.rs/meeting-at-politecnico-di-torino-ptt/>
- 4th Training of teaching staff at UM (University of Maribor), Maribor, Slovenia, 27-29 May 2025: <https://sphere.pr.ac.rs/meeting-at-university-of-maribor-um/>

The goal of the trainings is to educate PC (Partner Countries) teachers about innovative teaching methods as well as to improve the professional, pedagogical and methodological knowledge.

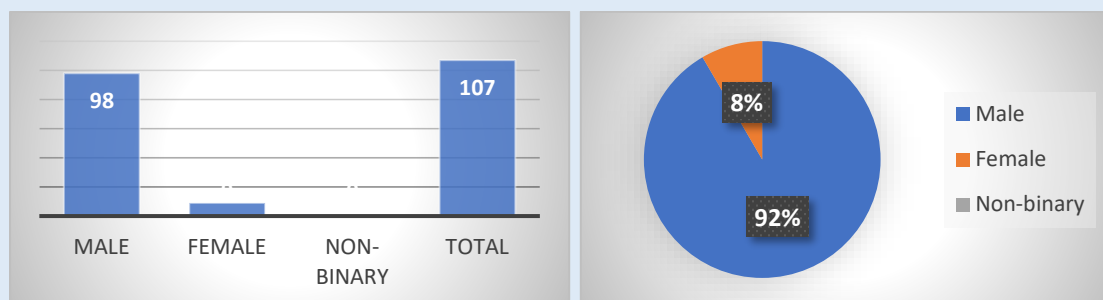


Figure 1: The sum and the ratio of attendees for all the four trainings per gender.

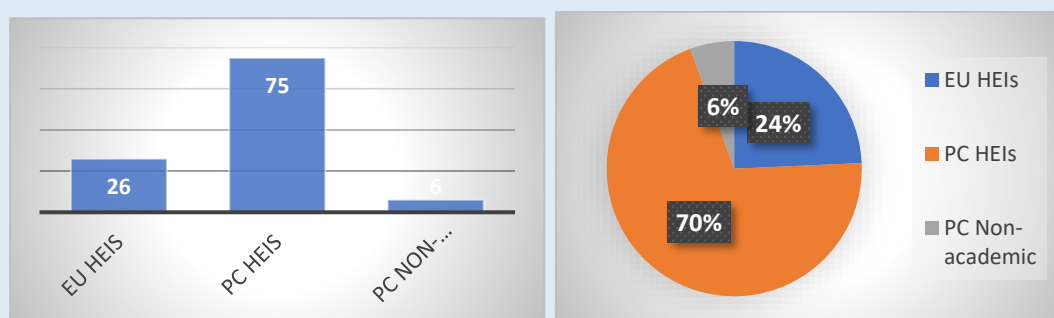


Figure 2: The sum and the ratio of attendees for all the four trainings per region.

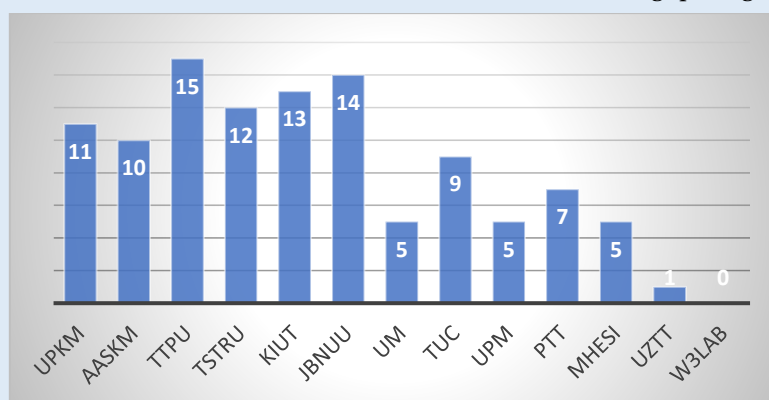


Figure 3: The sum of attendees for all the four trainings per institutions.

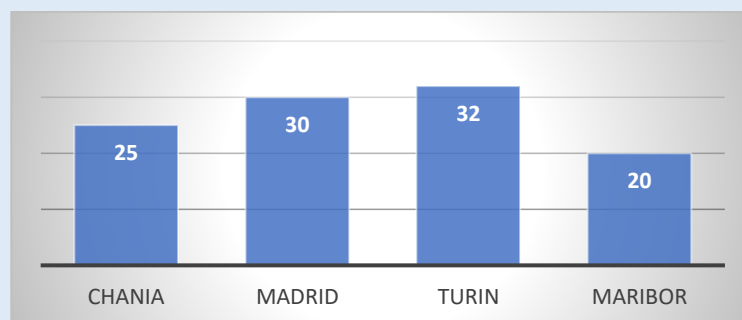


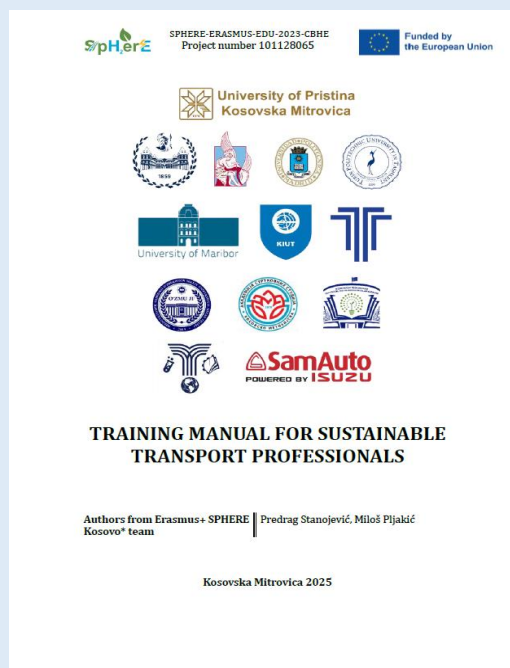
Figure 4: The sum of attendees for all the four trainings per place.

D4.3: TRAINING MATERIALS CREATED

Training materials for trainings focused on future-oriented ST issues, considering the local needs and capabilities have been created by Partner County Higher Education Institutions (Kosovo* and Uzbekistan). The trainings and job qualification are critical success factors for a future-oriented development of sustainable transportation management.

Training materials have been designed in electronic form (e-books, presentations) and also handbooks one for Kosovo* and one for Uzbekistan have been prepared. All materials have been prepared bilingual. Training material have been prepared in accordance with EU best practices and reviewed by EU partners. Non-academic partners supported this activity through giving their contributions during the preparation of the training materials. All materials are freely available on [SPHERE website](https://www.sphere-project.eu/).

This Integrated report consists of the 6 Partner County Higher Education Institutions (Kosovo* and Uzbekistan) Reports on training materials created, 2 Handbooks and 13 Presentations prepared bilingual. Also, each Report consists of CV of trainers from PC HEIs.



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D1.3: REPORTS ON MEETINGS AT MID-TERM

Reports on meetings at mid-term summarizes information regarding SC (Steering Committee) and PMC (Project Management Committee) meetings organized by the project partners in the framework of Work package 1 “Project Management” and Task 1.5 “SC and PMC meetings”

The SC and PMC were formed at the Kick-off Meeting at TTPU in March 2024. Six SC and PMC meetings are planned during the three-year project period. Three out of six planned regular SC meetings and three out of six planned PMC meetings were organized. The meetings were held during workshops and trainings of teaching staff at partner EU HEIs.



D1.6: PROGRESS REPORT

The progress report contains an overview of the activities and deliverables in the first half of the project's duration. It includes risk management plans and control mechanisms.

D6.3: INTERNAL AND EXTERNAL QUALITY REPORT AT THE MID-TERM

Internal and external quality report at the mid-term summarizes reports and data regarding Quality Assurance Committee (QAC) meetings organized within the project and reports on internal and external quality evaluation of the project. This document consists of three parts:

- Part 1: Report on QAC meetings;
- Part 2: First internal project quality evaluation report;
- Part 3: Report on external evaluation at the mid-term.

First internal project quality evaluation report relates to the internal control of the project for the first year (01/03/2024-28/02/2025). This report includes the internal quality evaluation, review of deliverables and the Internal work progress report of each institution in the SPHERE consortium.

External quality evaluation of the project is provided twice during the project life (M18, M36) by expert from non-participating institutions who was engaged by UPKM as external quality and progress evaluator of the project deliverables and activities.



D7.6: REPORT ON THE IMPLEMENTATION OF THE D&E PLAN AT MID-TERM

In accordance with the D&E plan, the partner institutions implemented the promotion of the project. In the first half of the project duration, dissemination activities were focused on the general promotion of the project, while in the second half of the project duration; dissemination activities will be focused on info-days for student enrolment, promotion of student internships and promotion of ST (sustainable transport) trainings.

Dissemination activities were realized as live events and through digital platforms: Facebook, LinkedIn, Telegram, YouTube, web portals ...

The main medium for project dissemination is the SPHERE project website <https://sphere.pr.ac.rs/>. So far, the project website has had 43,800 visitors. All dissemination activities are recorded on the project website in the Dissemination menu.

The list of dissemination activities is available on the webpage <https://sphere.pr.ac.rs/dissemination/list-of-dissemination/>, and reports from dissemination events are available on the webpage <https://sphere.pr.ac.rs/dissemination/news-media-events/>.

So far, SPHERE project was presented through 38 different dissemination activities performed. Among reported and advertised/announced dissemination events, different types of the dissemination events have been organized:

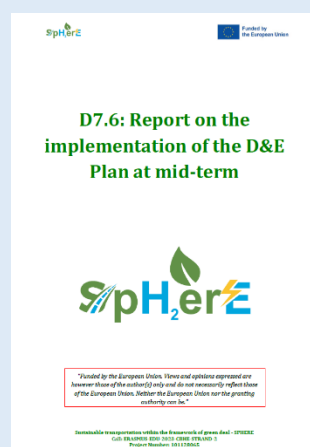
- Number of live events (excluding project consortium meetings): 13;
- Number of conferences: 2;
- Number of YouTube videos: 4;
- Number of newspaper articles: 1;
- Number of web portal news/articles (excluding official website): 7;
- Number of social networks posts (excluding official pages): 11.

In addition, all activities in addition to the project website are presented on the official [Facebook](#) and [LinkedIn](#) pages of the SPHERE project. 41 posts were published.

Different types of promotional materials created and printed - roll-up, posters, brochures, notebooks, pencils and folders.

All promotional materials in digital form available at <https://sphere.pr.ac.rs/dissemination/promotional-material/>

In order to promote the project activities and results, SPHERE Newsletters are created as promotional materials. Newsletters are available at the webpage <https://sphere.pr.ac.rs/dissemination/newsletter/>



DISSEMINATION AND PROMOTION ACTIVITIES

Different dissemination activities carried out in order to promote SPHERE project and it`s results:

- [Visit of the delegation from the Faculty of Transport and Traffic Engineering at Doboj to UPKM](#) (UPKM, 02.04.2025)
- [Visit of High School Students from Novi Pazar to the Faculty of Technical Sciences](#) (UPKM, 03.04.2025)
- [Visit of High School “Mihailo Petrović Alas” Students to the Faculty of Technical Sciences](#) (UPKM, 04.04.2025)
- [Faculty of Technical Sciences at the 8th Education Fair “Come, Inform Yourself” in Laplje Selo](#) (UPKM, 09.04.2025)
- [LXIX ETRAN Conference and 12th International Conference IcETRAN in Čačak](#) (UPKM, 09-12.06.2025)





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