Presentation
project DGTRANS

Transport of Dangerous Goods – Modernization of Curricula and Development of Trainings for Professionals in the Western Balkans HEIs (DGTRANS)

Call: Contract number 101082187-DGTRANS-ERASMUS-EDU-2022-CBH

Podgorica, Montenegro, 20th June 2024, Hotel Ramada, Montenegro

Asst. Prof. Boško Matović, Ph.D
University of Montenegro
DGTRANS

Transport of Dangerous Goods – Modernization of Curricula and Development of Trainings for Professionals in the Western Balkans HEIs

Safety

Training

Dangerous Goods

Modernization

Development

WB HEIs Study Programs

https://dgtrans.pr.ac.rs/

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Consortium

16 partners

Project consortium consists of

FOUR EU HEIs,
EIGHT WB HEIs,
THREE non-academic partner from WB countries (WBC) and
ONE associated partner (AP).

EU HEI partners provide
- academic expertise,
- transfer innovative and newly developed technologies and
- know-how best practices

Coordinator

University of Pristina
Kosovska Mitrovica

Program: ERASMUS-EDU-2022-CBHE-STRAND-2 / Project number: 101082187
Consortium

Project consortium consists of

- FOUR EU HEIs,
- EIGHT WB HEIs,
- THREE non-academic partner from WB countries (WBC) and
- ONE associated partner (AP).

WB HEIs will improve the level of student competencies and skills through:

- modernization/development of Undergrad/Master studies curricula,
- increase the level of teaching staff expert and language skills,
- increase awareness of public sector on risks related to TDG and improve skills of TDG professionals through trainings devoted to them.
MAIN OBJECTIVES PROJECT

**OBJECTIVES**

**IMPROVE EXISTING AND DEVELOP NEW TDG CURRICULA** for undergraduate and master studies in accordance with Bologna requirements and national accreditation standards through implementing new/modernized courses. These courses should cover provisions concerning dangerous goods, transport equipment and transport operations, as well as the risk assessment tools, vehicles monitoring systems, and route-planning systems based on network analyses performance. The aim of the improved study programs is to include the different disciplines such as transport, environmental sciences, politics, supply chain management, security management and the

**ANALYSE AND IMPROVE CURRENT RISK ANALYSIS MANAGEMENT PROCEDURES AND RISK ASSESSMENTS** on transport routes and new routing solutions into WBC. Herein, we are finding and applying the most appropriate scientific methods and the best practice about what issues should be included in risk analysis procedures to improve the safety during the TDG and how can management procedures be improved to avoid mistakes or inefficiencies during the sharing of information within a company and between different companies involved in the supply chain.

**DEVELOP AND IMPLEMENT THE TRAINING PROGRAM FOR THE TDG PROFESSIONALS** in line with ADR and up-to-date scientific knowledge on issues related to the TDG. According to ADR each TDG subject, involved in activities which include the consigning the TDG by road or the related packing, loading, filling or unloading, shall appoint one or more TDG professionals, responsible for prevention of the risks inherent in such activities with regard to persons, property and the environment.

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# Workplan DGTRANS (3 Years)

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<th>YEAR 1</th>
<th>YEAR 2</th>
<th>YEAR 3</th>
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<td>Q1 Q2 Q3 Q4</td>
<td>Q1 Q2 Q3 Q4</td>
<td>Q1 Q2 Q3 Q4</td>
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<tr>
<td>1.1 - Partnership Agreement Preparation</td>
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<td>1.2 - Kick-off meeting</td>
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<td>1.3 - Grant holders Meeting</td>
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<td>1.4 - Project management plan</td>
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<td>1.5 - SC and PMC meetings</td>
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<td>1.6 - Project Coordination</td>
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<td>1.7 - Interim and Final Reports</td>
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<tr>
<td>2.1 - Analysis of Key Issues for TDG in PC</td>
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<td>2.2 - Analysis of Key Issues for TDG in WBC</td>
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<td>2.3 - Analysis of Existing Curricula Related to TDG</td>
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<td>2.4 - Identification of Needed Resources for TDG Laboratories</td>
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<td>2.5 - Introduction with TDG established practices and innovations in PC</td>
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<tr>
<td>3.1 - Development of Catalogue of Competencies</td>
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<td>3.2 - Development of Catalogue of Courses and Syllabi</td>
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<td>3.3 - Establishment of TDG Laboratories</td>
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<td>3.4 - Training of Teaching Staff</td>
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<td>3.5 - Accreditation/Reaccreditation of Curricula</td>
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## Workplan PELMOB (3 Years)

<table>
<thead>
<tr>
<th>Work Package</th>
<th>Activities</th>
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<tr>
<td>4.1</td>
<td>Survey for TDG Stakeholders in WBC</td>
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<td>4.2</td>
<td>Introduction with Trainings for TDG Professionals in PC</td>
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<tr>
<td>4.3</td>
<td>Preparation of TDG Training Materials</td>
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<td>4.4</td>
<td>Student Internships</td>
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<td>Development of Quality Assurance Plan</td>
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<td>4.6</td>
<td>Quality Assurance Committee (QAC) Meetings</td>
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<td>Internal Quality Assurance Control</td>
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<td>External Quality Evaluation of the Project</td>
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<td>Inter-Project Coaching</td>
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<td>4.10</td>
<td>Creation of the Dissemination and Exploitation Plan</td>
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<td>4.11</td>
<td>Development of Project Website and Promotional Material</td>
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<td>4.12</td>
<td>Info-days for Student Enrolment</td>
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<tr>
<td>4.13</td>
<td>Promotion of Student Internships</td>
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<td>4.14</td>
<td>Roundtables with TDG Stakeholders</td>
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<td>4.15</td>
<td>Creation of Sustainability Plan</td>
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<tr>
<td>4.16</td>
<td>Promotion of Safe and Secure TDG in WBC</td>
</tr>
</tbody>
</table>

*Program: ERASMUS-EDU-2022-CBHE-STRAND-2 / Project number: 101082187*
11 REPORTS ON ANALYSES KEY ISSUES RELATED TO TDG

4 Reports per each WBC and 1 Integrate report
5 Reports per each PC and 1 Integrate report

Report on analyses key issues related to TDG in Greece
Report on analyses key issues related to TDG in Slovenia
Report on analyses key issues related to TDG in Hungary
Report on analyses key issues related to TDG in Poland
Report on analyses key issues related to TDG in Serbia
Report on analyses key issues related to TDG in Bosnia and Herzegovina
Report on analyses key issues related to TDG in Montenegro
Report on analyses key issues related to TDG in Kosovo*
Report on analyses key issues related to TDG in Montenegro
Report on analyses key issues related to TDG in Albania

Poland, Hungary, Slovenia, Greece
Bosnia and Herzegovina, Serbia, Kosovo*, Montenegro, Albania.
PROJECT ACHIEVEMENTS

14 REPORTS ON ANALYSES EXISTING CURRICULA related to TDG in PC and WB HEIs

8 WB HEIs and 5 PC Reports on Analysis on existing curricula related to TDG and 1 Integrate report

Report on analyses Existing Curricula related to TDG in TUC
Report on analyses Existing Curricula related to TDG in UM
Report on analyses Existing Curricula related to TDG in OE
Report on analyses Existing Curricula related to TDG in LUT
Report on analyses Existing Curricula related to TDG in UNI
Report on analyses Existing Curricula related to TDG in TUC
Report on analyses Existing Curricula related to TDG in UPKM
Report on analyses Existing Curricula related to TDG in UPM
Report on analyses Existing Curricula related to TDG in UES
Report on analyses Existing Curricula related to TDG in UOM
Report on analyses Existing Curricula related to TDG in UOM
Report on analyses Existing Curricula related to TDG in AUB
Report on analyses Existing Curricula related to TDG in UPT
Report on analyses Existing Curricula related to TDG in UPOLIS
Report on analyses Existing Curricula related to TDG in IBCM
PROJECT ACHIEVEMENTS

4 REPORT ON SURVEY FOR TDG STAKEHOLDERS
Bosnia and Herzegovina, Kosovo*, Montenegro, Albania

Report on Survey for TDG stakeholders
Bosnia and Herzegovina

Report on Survey for TDG stakeholders
Kosovo*

Report on Survey for TDG stakeholders
Montenegro

Report on Survey for TDG stakeholders
Albania
PROJECT ACHIEVEMENTS

4 DATE BASE_CONTACT INFORMATION FOR STAKEHOLDERS
Bosnia and Herzegovina, Kosovo*, Montenegro, Albania

TDG stakeholders
Date Base Contact information for stakeholders TDG B&H
Bosnia and Herzegovina
University of Sarajevo - FACULTY OF TRAFFIC AND COMMUNICATIONS Sarajevo
University of East Sarajevo - FACULTY OF TRANSPORT AND TRAFFIC ENGINEERING Delija

TDG stakeholders
Date Base Contact information for stakeholders
UCG

Montenegro
University of Montenegro - Podgorica
Adriatic University Bar

TDG stakeholders
Date Base Contact information for stakeholders
Kosovo*
University of Pristina - Kosovo Mitrovica
International Business College Mitrovica

TDG stakeholders
Date Base Contact information for stakeholders
Albania
University of POLIS - Tirana
University of Politeknik Tirane

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PROJECT ACHIEVEMENTS

4 LOCAL WORKSHOP WITH STAKEHOLDERS
Bosnia and Herzegovina, Kosovo*, Montenegro, Albania
### Project Achievements

#### 8 Catalogue of Competencies

- Developed and implemented TDG curricula
- 2 in Bosnia and Herzegovina, 2 in Kosovo*, 2 in Montenegro, 2 in Albania.

#### Catalogue of Competencies

<table>
<thead>
<tr>
<th>Institute</th>
<th>Catalogue of Competencies</th>
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<tbody>
<tr>
<td>UPKM</td>
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<td>IBCM</td>
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PROJECT ACHIEVEMENTS

8 CATALOGUE OF COURSES developed and implemented TDG curricula
2 in Bosnia and Herzegovina, 2 in Kosovo*, 2 in Montenegro, 2 in Albania.

CATALOGUE OF COURSES
- UPKM
- UNSA
- UES
- UOM
- AUB
- UPT
- UES
- UPOLIS
- IBCM
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PROJECT ACHIEVEMENTS

8 NEW LABORATORIES established with appropriate equipment and manuals.
2 in Bosnia and Herzegovina, 2 in Kosovo*, 2 in Montenegro, 2 in Albania.

- ESTABLISHED LABORATORY UPKM
- ESTABLISHED LABORATORY AUB
- ESTABLISHED LABORATORY UNSA
- ESTABLISHED LABORATORY UPT
- ESTABLISHED LABORATORY UES
- ESTABLISHED LABORATORY UPOLIS
- ESTABLISHED LABORATORY UOM
- ESTABLISHED LABORATORY IBCM

*Note: Kosovo* refers to Kosovo, which is recognized by some countries as an independent state and by others as a region of Serbia.
PROJECT ACHIEVEMENTS

8 NEW LABORATORIES established with appropriate equipment and manuals.
2 in Bosnia and Herzegovina, 2 in Kosovo*, 2 in Montenegro, 2 in Albania.
PROJECT ACHIEVEMENTS

8 NEW LABORATORIES established with appropriate equipment and manuals.
2 in Bosnia and Herzegovina, 2 in Kosovo*, 2 in Montenegro, 2 in Albania.

ESTABLISHED LABORATORY UPKM
PROJECT ACHIEVEMENTS

8 NEW LABORATORIES established with appropriate equipment and manuals.
2 in Bosnia and Herzegovina, 2 in Kosovo*, 2 in Montenegro, 2 in Albania.

ESTABLISHED LABORATORY UNSA
PROJECT ACHIEVEMENTS

8 BROCHURE FOR TRAINING PROFESSIONALS OF TDG
GLOBAL EFFECTS OF PROJECT

- TRAFFIC SAFETY
- ENVIRONMENTAL PROTECTION
- HEALTH PROTECTION

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Kick-off Meeting
28.02.-01.03. 2023 at the University of Mitrovica

Educational SOCIAL EFFECTS

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Educational SOCIAL EFFECTS

Workshop in University of Maribor
17-21 April 2023

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Educational SOCIAL EFFECTS

Training for teaching staff at
Technical University of Crete, Greece
6th-8th June 2023
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Educational SOCIAL EFFECTS

Training for teaching staff, Óbuda University, Hungary
26th -28th September 2023

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Educational SOCIAL EFFECTS

Training teaching staff in TDG at Lublin University of Technology, Poland
14th - 16th November 2023

Lublin University of Technology
Educational SOCIAL EFFECTS

Training teaching staff in TDG
University of Nis, Serbia,
20\textsuperscript{th}-22\textsuperscript{nd} February 2024
Training teaching staff in TDG
University of Montenegro,
23\textsuperscript{rd}-25\textsuperscript{nd} April 2024
Thank you for your attention