



Road Transportation Systems Engineering Development in the Sub-Saharan Africa - Modern EU Master Programme & Capacity Building ERASMUS-EDU-2023-CBHE

### **Online meeting WP3**

30.10.2024



















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### **Agenda**

WP3 Theoretical and practical teaching materials development to transport in Cameroon and the Democratic Republic of Congo

WP6. Dissemination of project

WP4. The final version of the Lab equipment

Folder for all materials:

```
    [WP3.00_Methodologies]
    [WP3.01_Fundamentals of transport systems and processes]
    [WP3.02_Transport research and analysis]
    [WP3.03_Sustainable transport planning]
    [WP3.04_Road infrastructure safety management]
    [WP3.05_Logistic management]
    [WP3.06_Road construction and maintenance]
```

"\R06-Afro-Trans\02-WORKPACKAGES\WP3"

1. Example of materials:

```
[PSM]
[RSA]
[RSI]
[RSI]
10-Roadside_Plan_mb
11-RSA_Plan_25.09.2023
12-Safety_Management_of_VRUs-Plan
PSM_Course_chapters_V2.2
RSA_List_of_Youtube
RSI_Course_chapters_V7
RSM_List_of_Youtube
RSM_List_of_Youtube
```

"\R06-Afro-Trans\02-WORKPACKAGES\WP3\WP3.04\_Road infrastructure safety management\\_Example\_materials"

Lectures	Leader	Name/surname of leader	GUT	AAU	BUW	ULPGL	UAC	UOR	UDS	INTIME	
Fundamentals of transport systems and processes											
Fundamentals of transport	AAU	Kyandoghere Kyamakya + Jean Chedjou	Jacek Oskarbski	х		Alain Akwir					
Traffic engineering	AAU	Kyandoghere Kyamakya + Jean Chedjou	Wojciech Kustra	х				Claude Takenga			
Transport research and analysis											
Transport research and analysis	AAU	Jean Chedjou + Kyandoghere Kyamakya	Lukasz Jelinski Wojciech Kustra	x				Jean Sumaili	NIE NOUMSI Thierry Constant		
Sustainable transport planning											
Planning the development of the sustainable transport systems	BUW	Wido Hamel	Krystian Birr	Jean Chedjou	х			Maombi Mbusa	Jacques Kengne		
Methods of analysing and forecasting transport demand.	BUW	Wido Hamel	Krystian Birr	Kyandoghere Kyamakya	х		Héritier Nsenge				
			Road infras	tructure safety	management	ŧ .					
Road Safety Audit	GUT	Joanna Wachnicka	х	Kyandoghere Kyamakya			Wilfred Kibanda				
Road Safety Inspection	GUT	Joanna Wachnicka	x	Kyandoghere Kyamakya		Alinabiwe Nyamuhanga					
Pedestrian safety management	GUT	Tomasz Mackun	х	Kyandoghere Kyamakya				Paluku Kazingufu			
		-	Lo	gistic manage	ment						
Supply Management and logistics	GUT	Daniel Kaszubowski	х	Kyandoghere Kyamakya		Olivier Baraka					
Distribution and material movement	GUT	Daniel Kaszubowski	х	Kyandoghere Kyamakya				Hilaire Mambo			
			Road con	struction and r	maintenance						
Road construction	GUT	Marek Pszczola	х	Jean Chedjou		Bishweka Biryondeka			FOADIENG Emmanuel		
Road maintenance and management	GUT	Marek Pszczola	х	Jean Chedjou		Amboko					

"R06-Afro-Trans\02-WORKPACKAGES\WP3\WP3\_Courses\_Working\_grup\_courses.xlsx"

- 1. Step: Prepare division of each subject (number of hours, lectures, practicals, field activities, workshops, laboratory
- 2. Step: divide the subject into chapters and prepare a detailed description of each chapter
- Step: The leader, of course, should assign universities/persons who will be responsible for preparing teaching materials in each chapter
- 4. Step: prepare the final version issues, which will be presented at AfroTrans subject (excel file) and subject card

Types of classes	Type of learner				
Types of classes	Students/auditors/experts				
Lecture	13				
Field activities	9				
Practicals	8				
Number of lessons	30				

#### 1. Work plan:

- Minmimum 2 meetings before the Kampala meeting
- Deadline for Chapters, Types of classes, Minutes, Short Name Topic, is 30.11.2024
- Deadline for Resource Type is 31.01.2025

No.	Types of classes	Minu tes	Short Name	Торіс	Sub chapter	Resource Type			
CHAPTER 1 - Preliminary part									
1	Lecture		Directive 2019/1936/EC (RSI - Targeted RSI - Network Wide Risk Assesment)	Position of RSI in Road Safety Management		20 min - Lecture PowerPoint, 20 min - Interview with a safety expert, 20 min - Lecture PowerPoint, 10 min - Quiz, 20 min - Group discussion			
2	Lecture	135	RSI procedures	Players and their role (client, designer, auditor), process of RSA, RSA stages (draft, detailed, pre- opening, early operation), audit report, checklist		20 min - Lecture PowerPoint, 20 min - Lecture PowerPoint, 10 min - Quiz, 20 min - Lecture PowerPoint, 20 min - Lecture PowerPoint, 10 min - Quiz, 35 min - Infographics in break-out rooms - RSI process and participants			
3	Lecture	45	Road network classification	Context, users, infrastructure		20 min - Lecture PowerPoint, 20 min - Interview with a safety expert, 5 min - Interactive Quiz			
4	Practical	135	Road network classification	Students need to study the guideline of their own country and create a road network map of a selected county (region) indicating the various network categories making sure that all categories are represented		90 min - Map in team work - network classification, 30 min - Peer-to-peer presentation, 15 min - Group discussion			
5	Lecture	135	Accident analysis and statistics	Basics about gathering accident data and accident types. Accident causation and risk assessment. Different way to collect and manage accident data. Surrogate measures of safety		20 min - Lecture PowerPoint on accident data and accident type, 10 min - Interactive quiz, 20 min - Lecture PowerPoint on accident causation and risk assessment, 10 min - Interactive qui, 20 min - Lecture PowerPoint on how collect and manage data, 10 min - Interactive quiz, 20 min - Lecture PowerPoint on surrogate measures of safety, 10 min - Interactive quiz, 15 min Interview quix h a safety veyport.	-		
6	Field	180	Accident analysis and Surrogate Measure of Safety	Speed measurements or conflicts		90 min - Map in team work - accident analysis, 60 min - speed and conflicts measurement, 30 min - Group discussion			
7	Practical	180	Tools	GIS, CAD, Excel, GPS, Cameras, Speed Camera		90 min - Map in team work - accident analysis, 60 min - speed and conflicts measurement, 30 min - Group discussion			
CHAPTER 2 - Road Safety Fundamentals (background)									

### Moodle platform -

- 1. <a href="https://enauczanie.pg.edu.pl">https://enauczanie.pg.edu.pl</a>
- 2. Create account using your email



Log in using the university account

If you are a student or employee of Gdańsk Tech, choose this method.

Log in

Not a student or employee? Log in or create a local account

Log in

### Moodle platform - Courses INFRO@D

- 1. Roadside safety management Erasmus+ European Digital Education in Road Infrastructure Management INFRO@D <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31192">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31192</a>
- Safety management of vulnerable road users Erasmus+ European Digital Education in Road Infrastructure Management INFRO@D <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31193">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31193</a>
- 3. Road pavement management Erasmus+ European Digital Education in Road Infrastructure Management INFRO@D <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31194">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31194</a>
- 4. Road Safety Audit Erasmus+ European Digital Education in Road Infrastructure Management INFRO@D <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=19518">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=19518</a>

# Moodle platform – Courses InfRo@d – youtube resorces

- 1. A dedicated channel on the YouTube platform will complement the course on the platform. The platform with InfRo@d canal is accessible at: <a href="mailto:youtube.com/@Infrod-EuropeanDigitalEducatio">youtube.com/@Infrod-EuropeanDigitalEducatio</a>
- 2. The platform's content is video, which is used in didactic materials divided into playlists:
  - INFRO@D Road Safety Audit Rural highways,
  - INFRO@D Road Safety Audit Motorways, Expressways
  - INFRO@D Road Safety Audit Rural roads
  - INFRO@D Road Safety Audit Rural Interchanges
  - INFRO@D Road Safety Audit Urban Interchanges (additional materials)
  - INFRO@D Roadside safety management National Roads
  - INFRO@D Roadside safety management Regional Roads
  - INFRO@D Roadside safety management Local Roads
  - INFRO@D Interview.

### Moodle platform - Courses EuroS@P

- https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31185Safety management of vulnerable road users - Erasmus+ European Digital Education in Road Infrastructure Management INFRO@D <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31185">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31185</a>
- Road infrastructure safety inspection (Students course) Erasmus + European Road Safety Partnership EuroS@P <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31186">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31186</a>
- 3. Certification program in Road Infrastructure Safety Management -Erasmus + European Road Safety Partnership EuroS@P <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31189">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=31189</a>

# Moodle platform – Courses EuroS@P – youtube resorces

- 1. A dedicated channel on the YouTube platform will complement the course on the platform. The platform with EuroS@P canal is accessible at: <a href="mailto:youtube.com/@eurosp4658">youtube.com/@eurosp4658</a>
- 2. The platform's content is video, which is used in didactic materials divided into playlists:
  - EuroS@P Road Safety Inspection Motorway, expressway sections,
  - EuroS@P Road Safety Inspection Rural Intersections
  - EuroS@P Road Safety Inspection Urban Intersections
  - EuroS@P Road Safety Inspection Rural Interchanges
  - EuroS@P Road Safety Inspection Urban Interchanges
  - EuroS@P Interviews.

### WP6. Dissemination of project



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