

## **WP2 – Development of a concept for an online format of the teaching and training process, fulfilling the requirements of road infrastructure management**

### **IO.2 – Development of requirements for the implementation of online classes in road infrastructure management.**

The task will be carried out under Work Package 1 (WP1. Development of a concept for an online format of the teaching and training process, fulfilling the requirements of road infrastructure management)

The development of implementation requirements RIM online classes will be preceded by the preparation of assumptions based on IO.1. These assumptions will take into account the results of the surveys. They will focus on necessary actions to introduce changes that will solve or alleviate the most frequently identified problems in remote education. The requirements for implementation will be developed in the form of an initial concept for delivering remote classes. The initial concept will be developed for each type of class identified in WP2. Its preliminary evaluation will be carried out among the teaching staff of the consortium partners, not directly involved in the project implementation. The assumptions for implementation will include the requirements that should be met by tools and software used in the didactic and training process. This will form the basis for the implementation of IO.3.

#### **Target groups:**

1. Research and teaching staff from institutions involved in RIM teaching, in particular partner institutions.
2. Road authority staff

#### **Innovative elements:**

1. Development of assumptions for the implementation of remote classes in the field of RIM, considering the needs and problems identified under IO. 1.
2. Development of the concept for an online format for the teaching and training process, fulfilling the requirements of road infrastructure management.

#### **Expected impact:**

The development of an initial concept for the teaching and training process will permit the identification of the necessary requirements for the selection of software and tools. The concept and guidance can be used by other teaching and training institutions in Europe to develop their own concepts for conducting classes remotely.

#### **Transferability potential:**

The developed results of IO.2 have great knowledge transferability potential, regarding the assumptions and the initial concept of conducting the teaching and training process. The potential will be realised by sharing the results of the project on an online platform. This will enable their use by other teaching and training institutions across Europe in other engineering disciplines, taking into consideration the adaption to other specific educational requirements as well as the requirements of remote teaching.

**The division of work:**

The work will be divided among all consortium participants and will include:

- Development of assumptions for conducting remote classes in the field of RIM.
- Preparation of requirements for the implementation of remote classes, which constitute the initial concept.
- An initial assessment of the requirements for conducting classes, in consultation between consortium partners not directly involved in the project.

**The tasks leading to the production of the intellectual output:**

The leading institution (UC) will be responsible for preparing the assumptions for the concept, as well as the initial concept of the teaching and training process. The consortium participants will work together to develop the concept, supporting each other with their knowledge and experience.

**Applied methodology:**

As part of this task, the assumptions for conducting RIM classes remotely will be compiled, with the distinction of various types of educational and training activities. These assumptions will be taken into account in the requirements for the implementation of classes, divided into compulsory and optional, depending on their type (lecture, fieldwork, design, practical, laboratory, student's assignment and assessment of the progress and knowledge of students and trainees). Depending on the type of classes and requirements, the tools will be tested under IO.3.