

## **WP5. - Implementation of the teaching and training process in the field of road infrastructure management**

### **IO.16 – Development of a handbook to support remote teaching and training in road infrastructure management**

The task will be implemented as part of the WP5 package (Implementation of the teaching and training process in the field of road infrastructure management). Within the framework of the task, a handbook dedicated to remote classes and training will be developed. The objective the task is to provide substantive support to teaching staff in the process of remote education as part of the model RISM course.

Remote teaching and e-learning methodology are areas that have existed in the literature for several years only. There are still too few good methodological studies, manuals, well thought through scenarios, comprehensive aids and teaching tools in this field. The problem is aggravated by the fact that the majority of teaching staff do not have the necessary theoretical and practical background to conduct such classes with students. In this time of epidemic threat of COVID-19 and top-down imposed social distancing, remote education has become not only an option, but an obligation. Consequently, teaching staff need immediate and comprehensive support in the form of well-developed, accessible and highly practical resources that will assist them to quickly learn to independently design classes in remote, e-learning and hybrid modes.

Within the framework of this task and on the basis of materials developed in IO.4-IO.9 a methodology handbook will be developed, presenting in a clear and accessible way the methods of teaching in the distance and e-learning modes. The handbook will be prepared by experts in the field of e-learning, who have experience in the design of methodologically appropriate remote classes. The layout of the handbook will be developed by a professional graphic designer in accordance with the trends of "User Experience" (the field of design related to the wholistic experience that the user undergoes when using the product/offer/publication/solution, graphics, illustrations and typography to ensure high usability).

The handbook will be prepared in the form of an e-book enhanced with resources such as photos, infographics, graphs, illustrations and hyperlinks to external resources including open source and in the form of files prepared for professional printing.

#### **Target groups:**

Research and teaching staff from institutions involved in the project and ultimately other European institutions.

**Innovative elements:**

Development of a comprehensive and highly practical methodology handbook for conducting remote lectures, practicals, fieldwork, design and laboratory classes, including methods of remote evaluation of students.

**Transferability potential:**

The handbook will be made available on an online platform, for the use of academic teachers across Europe.

**The division of work:**

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

- defining the publication objectives,
- collection of materials developed within the framework of tasks of IO.4 – IO.9,
- developing a content structure,
- substantive preparation of a trial chapter,
- preparation of layout of the trial chapter,
- qualitative tests of the chapter on target users,
- development of further content and graphic design,
- preparation for publication,
- publication of the handbook,

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

The leading institution (UZ) will be responsible for supervising the development of the handbook. The consortium participants (apart from UC) will cooperate in the development of these materials, exchanging their knowledge and experience.

**Applied methodology:**

Within the framework of this task, the methodology handbook will be developed (in terms of both content and visual aspect) containing a full methodological guide for remote teaching of the RISM model course, along with a presentation of detailed teaching scenarios and instructions on the use of support tools, techniques and applications.