

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

### **IO.17 - Appointment of a European panel of experts to expand and further develop distance learning in the field of road infrastructure management**

The task will be carried out under Work Package 5 (WP5. Implementation of the teaching and training process in the field of road infrastructure management).

At the implementation stage of the project, a European panel of experts in the field of RISM will be appointed. The panel will be assembled by experts from 3 partner universities (GUT, CUT and UC). In the first phase of the task the development of the prerequisites for additional classes and training in remote mode in the field of RISM is planned (e.g. design and maintenance of road junctions and interchanges; planning, design and maintenance of public transport infrastructure), this will require the work of an expert team. In the next step, the panel will be expanded to include experts from other partner universities, who will jointly develop the rules for cooperation, new membership and implementation of the project outcomes and their extension. An information sheet will be prepared for each expert, including information on affiliations, academic and other achievements and competencies. In the final stage, experts from technical universities and institutions dealing with RIM (at national, European and global level) will be invited to the panel, which will give them an opportunity to raise their qualifications in the area of distance learning and knowledge related to RIM. Ultimately, the knowledge of the experts will be available to civil and transportation engineering teaching and training staff to raise their qualifications in remote or hybrid education. The beneficiaries of this expertise will be students and participants of the courses. The panel will produce joint publications and will provide a forum for the exchange of knowledge and experience, as well as for the establishment of consortia for new international research or teaching projects. Both joint functioning of the expert panel and the e-learning platform will be very important for the sustainability of the project results and its dissemination. This will allow for the achievement of the goal, which is to constantly improve the quality of education, with the necessity of shifting to the remote mode in the field of RIM.

#### **Target groups:**

1. Research and teaching staff from institutions involved in the project and ultimately other European institutions.
2. Experts from organisations dealing with RIM at national, European and global level (e.g. PIARC, ERF, IRF).
3. Students of civil and transportation engineering from all of Europe.
4. Staff of national, local and regional road authorities and designers from all over Europe.

#### **Innovative elements:**

1. A unique panel of experts who will support each other with their knowledge, skills and experience in the field of remote education and RIM.
2. Availability of practical and specialist knowledge for participants in the remote education process.

**Expected impact:**

The developed additional resources can be applied in the teaching (for students) and training (for road infrastructure management) throughout Europe. An innovative approach to distance learning in the field of road infrastructure management, supported by professional expertise, continually developed, using support methods and tools that will significantly increase the quality of teaching and training when it is necessary to employ remote education.

**Transferability potential:**

The additional teaching and training materials developed for the remote education in RIM will be made available on an online platform for the use of research centres and road authorities across Europe.

**The division of work:**

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

- Supplementing educational resources in the field of RISM in the remote teaching mode.
- Development of rules for cooperation and the panel expansion.

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

The leading institution (GUT) will be responsible for supervising the modification of teaching and training materials and remote education methods. CUI and UC will cooperate in this task. Under the IO.17 the necessary scope and detailed division of work will be defined.

**Applied methodology:**

Within this task, additional digital materials dedicated to distance learning will be developed, supplementing the products developed under IO.10 - IO.13.