Harmonised and Modernised Multidisciplinary Railway Education
Project “Harmonised and Modernised Multidisciplinary Railway Education” (EDU-RAIL) started in October 2015 within the frame of INTERREG Central Baltic Programme 2014-2020.

The project EDU-RAIL aims at reducing fragmentation of railway engineering, transport and logistics vocational education and training programmes in the region. By harmonising and modernising railway education through jointly developed regional specialisation modules the project contributes to the development and further integration of the Central Baltic labour market.

In practice the project jointly develops aligned specialisation modules that take into account the needs of the regional labour market, including shared challenges of further integration with European railway system and joint regional aspects. The harmonised and modernised teaching process allow the railway institutions to better prepare the educate specialists for the regional employers need and demand in order to enable smooth cross-border rail transportation within the common transport area.

As a result of the project five multipurpose specialisation modules are designed for full-time students and for in-service training programmes. The project contributes to reducing fragmentation of railway education in the region by harmonising railway engineering, transport and logistics programmes. Cross-border cooperation enables the educational institutions to achieve the necessary methodological strength to solve together regional challenges and to raise the quality of railway vocational education and training programmes.

### Communications working plan

<table>
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<tr>
<th>Activities</th>
<th>Timeframe</th>
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<tr>
<td>Kickoff meeting in Tallinn</td>
<td>November 2015</td>
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<td>Steering Group Meetings</td>
<td>November 2015&lt;br&gt;November 2016&lt;br&gt;November 2017&lt;br&gt;November 2018</td>
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<td>Management team meetings</td>
<td>November 2015&lt;br&gt;May 2016&lt;br&gt;November 2016&lt;br&gt;May 2017&lt;br&gt;November 2017&lt;br&gt;September 2018</td>
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<td>Round table with national railway stakeholders</td>
<td>February-March 2016</td>
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<td>Country seminars</td>
<td>June 2018</td>
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[http://edu-rail.tsi.lv](http://edu-rail.tsi.lv)
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<table>
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<th>Modules</th>
<th>Title of modules</th>
<th>Aim of modules</th>
<th>Responsible partner</th>
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<tr>
<td>Module 1</td>
<td>Single European Railway Area</td>
<td>To introduce the students to the strategic legislative and technical documents related to the development and operation of railway sector in the Single European Transport Area, with focus on the Single European Railway Area. The goal is to give a comprehensive understanding of the EU strategies for Transport in general and with focus on rail related issues especially - as directives, railway packages, technical specifications, research and development.</td>
<td>TSI TRANSPORT AND TELECOMMUNICATION INSTITUTE</td>
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<tr>
<td>Module 2</td>
<td>General Professional Knowledge and Requirements Regarding the License</td>
<td>The aim of module is to facilitate VET programs for rail traffic safety related professions. In focus will be the curriculum of teaching train drivers. The general training in this respect will focus on basic knowledge and principles that are applicable independently of the type and nature of rolling stock or infrastructure. Subjects of the module are supported with exercises on the rail simulators.</td>
<td>KRAO Kouraõ Railway and Adult Education Company</td>
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<td>Module 3</td>
<td>Service Oriented and Intelligent Transport System on the Context of Opening Markets</td>
<td>Aim of the module is to give the basic knowledge how to organize the railway business in context of opening markets and development toward the Single European Railway Area. The role of the Rail Regulatory Body and security certificate will be highlighted. In focus will be the impact of the new and open business environment, use of innovations and new thinking model, which is based on use of smart solutions, client-oriented and customized services. Mobility is understood as service.</td>
<td>HAMK HAMINA UNIVERSITY OF APPLIED SCIENCES</td>
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<tr>
<td>Module 4</td>
<td>Control and Command Systems of Rail Traffic</td>
<td>The main target of the Module is to understand and harmonize train control systems of the national railways taking into account international transit corridors and necessity of support passenger and freight transportation among countries. The Module embraces main principles of building any train control systems, also takes into account the specifics and practices of each viewed country both from a technical point of view and in terms of legal regulation. The material of the Module includes information about the common Train Control System (European Rail Traffic Management System- ERTMS), the system of GSM-R data transmission and the material about national systems of traffic management and communication.</td>
<td>Riga Technical University</td>
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<td>Module 5</td>
<td>Logistic Management and Operating of Rail Traffic</td>
<td>Aims of the Module: module is centered on the rail transportation systems as whole, particularly on the role of rail freight systems and their components. The module provides the knowledge and skills in the field of overall Logistics Management including railway technology and management. This module provides a common understanding of the railway system, freight transport operations, management and technology required for sustainable and intelligent rail freight system design and operation.</td>
<td>Tallinn University of Technology</td>
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Team

- Content project manager
  Dr.sc.ing Wladimir Segercrantz
  wladimir@tktk.ee
- Administrative Project Manager
  Kristina Bushell
  kristina@tktk.ee
- Local project leader, RTU
  Dr.sc.ing Mareks Mezitis
  Mareks.mezitis@rtu.lv
- Local manager, RTU
  Julija Freimane
  julia.freimane@rtu.lv
- Local project leader, TTK
  rector TTK-UAS, Prof. Enno Lend
  enno.lend@tktk.ee
- Local project leader, TSI
  Prof. Igor Kabashkin
  kiv@tsi.lv
- Project administrative assistant, TSI
  Karina Timofejeva
  Timofejeva.K@tsi.lv
- Project manager of KRAO
  Hannu Jalonen
  hannu.jalonen@krao.fi
- Local project leader, HAMK
  Dr.sc.ing Nina Karasmaa
  nina.karasmaa@hamk.fi
- Content manager in HAMK
  Teppo Sotavalta
  teppo.sotavalta@hamk.fi

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