REWWay – Research and Education in Inland Waterway Logistics

REWWay is the result of a cooperation between Logistikum Steyr and viadonau (The company via donau is responsible for the Austrian Part of the Danube). The aim of the project is to promote the topic of inland waterway logistics in national and international research and educational facilities. In fact, the focus is to train logisticians with knowledge on eco-friendly inland navigation and its connection to other modes of transport.

Inland navigation and railways operate at a low noise level and prevent congestions on roads. Nevertheless, trucks are used for the majority of freight transport. In fact, people tend to lack knowledge concerning inland navigation and its connections with other modes of transport. Therefore, REWWay generates didactically valuable materials to close this gap.

The cooperation between Logistikum Steyr and viadonau started in June 2012. The cooperation has been renewed twice and is currently running until 2022. The aim of the competence center for inland waterway transport at the Logistikum Steyr, which was developed within the cooperation, is the integration of inland navigation (especially Danube navigation) into the logistics education and training as well as increasing the acceptance of the inland waterway as a transport mode.

Development of target group specific contents

Based on national and international market research, including workshops and interviews, target group specific contents

- of all kinds (PowerPoints, scripts, short films, exercises/solutions, case studies, serious games,...)
- user-friendly, individually adaptable and easy to update (Creative Common Licenses, no copyright)

on relevant topics were created and are now available free of charge on our online information platform (www.rewway.at/en/).

REWWay pays attention to high actuality of the content and on the integration of new trends like Physical Internet, Synchromodality or alternative fuels.

(Inter)national networking between educational institutions, economy and research

An important foundation for the competence center´s development is the creation of know-how. Projects such as the joint development of the Manual on Danube Navigation or events concerning inland waterway transport support this development. Moreover, the participation in other publications is planned to ensure that knowledge is up-to-date. Another important part of REWWay is the development of offers for the industry. These offers include for example seminars, workshops, specialized lectures and networking events. (Inter-)national networking between educational institutions, economy and research by:

- organisation and arrangement of Transport School Labs
- guest lectures
- joint projects
- case studies
- best practice examples,...

Transport School Lab

Another pillar of REWWay are Transport School Labs, which are interactive workshops. During the Transport School Lab participants experience sustainable transport of goods in an interactive and practical setting. Transport school Labs take place on a regular basis in Austria and abroad.

Currently, REWWay is working on four research assignments:

1. **Quality assurance, management and further development of existing REWWay offers in a national and international context (2019 -2022)**

This contract aims to ensure the quality assurance, management and further development of existing REWWay offers. Furthermore, national and international Transport School Labs are held within the scope of this contract.

2. **Knowledge transfer made easy - from A to B on the Danube (2020-2022)**

This assignment is intended to develop (and collect) age- and target-group-specific formats and content for primary and lower secondary schools, including the holding of initial training sessions.

3. **Bottlenecks I (2021-2022)**

In this contract the cornerstones for the development of a method for the economic evaluation of the rehabilitation of nautical bottlenecks along the Danube are laid. The results of Bottlenecks I serve as a basis for further research concerning the development of the method.

4. Modal choice decisions in freight transport (2021-2022)

The aim of this project is to investigate modal decisions in freight transport in order to contribute to the promotion of sustainable modes of transport such as inland waterways. On the one hand, the influence of cognitive biases on modal decisions and, on the other hand, the willingness of shippers and logistics service providers to shift transports to more sustainable modes, will be investigated.

REWWay's objectives are in line with EU transport policy and Austrian transport policy.

viadonau
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