

D.T4.4.7. Action plan for Austria – Upper Austria (regional)

The action plan describes activities carried out after the project end to ensure mainstreaming of results. It will describe concrete activities with the objective to promote multimodal transport of chemical goods with responsible stakeholders, timeline and financial resources. Furthermore, it will describe activities to improve framework conditions and policies at European, national and regional level, where partners articulate their interest to integrate recommendations based on project results.

Partner & region / country	University of Applied Sciences Upper Austria (PP9) Business Upper Austria – Plastics-Cluster (PP11) Upper Austria/ Austria
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I. Implementation of future activities to promote multimodal transport of chemical goods

Coordination
<p>The Business Upper Austria Plastics Cluster takes over the coordination of future activities like presentation of the policies and best practise samples at cluster events, cluster media and customer visits as well as promoting consulting service</p> <p>University of Applied Sciences Upper Austria organizes and coordinates the Education Spin-off and Transport School Labs to disseminate use of the tool-box elements</p>
Stakeholders
<p>Extend the multimodality target group by traditional branches (plastics, recycling industry, automotive, machinery, etc.)</p> <p>Education Spin-off target group(s): Pupils, Students, Adult education, Teachers, interested young people and (young) adults</p>
Approaches for Meeting
<p>Presentation of policies and framework conditions, presentation of companies with modal shift experience, discussion and networking</p> <p>F.g. Austrian Logistics Day at the end of June in Linz, where various stakeholders meet. At the booth of the FH Steyr information about project results will also be given about ChemMutlimodal.</p>

Therefore the importance of multimodality in the chemical industry will be pointed out. More international and national Transport School Labs – Dates have not yet been finalized.

Approaches for Consulting

Continuing the Consulting Service – bring stakeholders together, identify the potential and improve the modal split (by using the tools: CO₂ calculator and intermodal links planner)

Approaches for Use of Tool

Promotion of the toolbox is linked on cluster homepage KC Kunststoff-Cluster:

<https://www.kunststoff-cluster.at/kooperationen/nationale-und-internationale-projekte/detail/news/chemmultimodal/>

- Development of education materials and integration into FHOO's existing education platforms on sustainable transport
(<https://www.reecotrans.at/de/lehrmittel/pakete/multimodaler-transport/>)
- Organisation of Transport School Lab Workshops, includes results of ChemMultimodal project
- Integration of ChemMultimodal results in courses of Master's Programme on Transport Management

FHOO will further promote the project and the elements of the toolbox by running an education spin-off. In addition, the results of the project have also been integrated into the teaching content of the master's programmes Supply Chain Management and Digital Transport and Logistics Management. The organisation of Transport School Lab Workshops which include findings of ChemMultimodal project will further ensure the project's visibility in the future.

Finance

We finance the above mentioned work from our own resources

Communication

Integration into FHOO's existing education platforms, plastics cluster magazine and newsletter.

Monitoring

Visitor figures of education platform REWWAY, 3500 samples of the cluster magazine "KC Aktuell" quarterly.

II. Improvement of Framework Conditions

	Plan/strategy no.1
Name in national language	Gesamtverkehrsplan für Österreich
Name in English	Overall transport plan for Austria
Responsible entity for the plan's/strategy's draft	Federal Ministry of Transport, Innovation and Technology, assisted by different political and educational institutes
Highest decision-making body approving the plan/strategy	Federal Ministry of Transport, Innovation and Technology
Internal / External Influence	External (indirect influence)
Geographical coverage (please select)	<input type="checkbox"/> Regional <input type="checkbox"/> Sub-regional/provincial <input type="checkbox"/> local <input checked="" type="checkbox"/> Other, specify: Austria
Main topic of the plan/strategy	<p>“Zielnetz 2025+” (extending the current railway infrastructure)</p> <p>The overall transport plan for Austria formulates objectives and strategies for a comprehensive transport policy up to 2025. The 2025+ target network is a comprehensive overall concept with concrete implementation steps for the railway infrastructure in Austria. This provides the answers to the transport policy challenges of tomorrow and will be implemented through framework plans with precise timetables and clear financing. The 2025+ target network is our plan for a modern, efficient infrastructure and the basis for environmentally friendly mobility over the next 100 years. It includes expansion and modernisation investments beyond the year 2025 and was developed by ÖBB-Infrastruktur on the basis of the Railway Act in close coordination with the Federal Ministry of Transport, Innovation and Technology (BMVIT) and the Federal Ministry of Finance together with external transport planners. The 2025+ target network will be implemented in several stages. The investment priorities will depend on demographic and economic conditions. The basis is the traffic forecast 2025+ of the BMVIT prepared by scientific institutes and universities.</p> <p>The railway as a means of mass transport has great advantages where many people and goods have to be transported. These railway lines need to be strengthened and expanded by investing in infrastructure.</p>
Other topics addressed	<ul style="list-style-type: none"> • IWW and airports • Intermodal transshipment points modernisation

Year of its drafting	2012
Year of its official issue	2012
Revision period (please provide details when the plan/strategy is scheduled for revision/overhaul)	Planned for 2025
Description of the main changes/actions proposed in result of ChemMultimodal (if known)	Reduction of CO ₂ emissions by 19 percent by 2025, sets the strategic course for the expansion and maintenance of the railway infrastructure in Austria The ChemMultimodal project was a major result of investing in the infrastructure and the expansion is an important success factor to implement more shifts away from road to rail. Therefore, the project result is already very consistent with the project Zielnetz 2025+.
Other information	Austrian Partners contribute with own staff resources

	Plan/strategy no.2
Name in national language	Strategic Programme „Innovatives OÖ 2020“
Name in English	Strategic program „Innovativ Upper Austria 2020“
Responsible entity for the plan's/strategy's draft	Office of the Upper Austrian Government, Department of Economics and Research together with Business Upper Austria – OÖ Wirtschaftsagentur GmbH and assisted by different political, social and educational institutes and partners
Highest decision-making body approving the plan/strategy	Government of Upper Austria
Internal / External Influence	External (indirect influence)
Geographical coverage (please select)	<input type="checkbox"/> Regional <input type="checkbox"/> Sub-regional/provincial <input type="checkbox"/> local <input type="checkbox"/> Other, specify: County
Main topic of the plan/strategy	<p>4 Main topics:</p> <ul style="list-style-type: none"> • Location development of Upper Austria • Industrial market leadership • Internationalisation • Future technology <p>The Mobility & Logistics field of action has clear strengths in the division in the areas of vehicles and drive concepts as well as complementary services. The required key technologies and core competencies are similar to those in the</p>

	<p>Industrial Production Processes field of action. A technology-based front-runner strategy therefore seems possible.</p> <p>Outside the core area, the company portfolio is broadly diversified. Optimised logistics solutions and a strong position in the associated technical intelligence are of central importance for the competitiveness of Upper Austria.</p> <p>New, intelligent mobility and logistics solutions can also make a massive contribution to overcoming the social challenges addressed in other fields of action.</p> <p>All in all, technology and research-based development must be further promoted in the sense of an explicit front-runner strategy in order to dynamically secure the competitiveness of this key economic sector for Upper Austria. At the same time, new intelligent approaches in production logistics and new mobility, which are more likely to be found in non-industrial areas (such as Steyr University of Applied Sciences, JKU) and complementary areas of information and communication technologies, will have to be synergetically further developed and used as a stimulus and pool of ideas for further developments in the core area.</p> <p><u>STRATEGIC KEY OBJECTIVES</u></p> <p>In 2020, Upper Austria will be a region with energy- and resource-efficient, multimodal mobility and logistics systems that optimally meets the mobility needs of people and goods. Intelligent communication and traffic control systems as well as the optimisation of supply networks play a central role in this.</p> <p>The strengths in the area of vehicle and drive concepts (lightweight construction and innovative drive systems, etc.) will be expanded in 2020, as will solutions in the area of production-related logistics.</p>
Other topics addressed	<p>5 Actionfields:</p> <ul style="list-style-type: none"> • Industrial production process • Energy • Health care and ageing society • Nutrition and food • Mobility and Logistics <p>Mobility and Logistics:</p> <p>In 2020, Upper Austria will be a region with energy- and resource-efficient, multimodal mobility and logistics systems that optimally meets the mobility needs of people and goods. Intelligent communication and traffic control systems as well as the optimisation of supply networks play a central role in this.</p>
Year of its drafting	2013
Year of its official issue	2014
Revision period (please provide details when the plan/strategy is	Planned for 2020 New program: #Upper Vision 2030

scheduled for revision/overhaul)	
Description of the main changes/actions proposed in result of ChemMultimodal (if known)	<p>contribute the project results to the new strategic program #Upper Vision 2030</p> <p>The program #Upper Vision 2030 is in a very early stage. One of the discussed topics will be “structural change in the mobility sector” and another one will be “sustainable industry and production”. In both topics we are able to place the project results for a sustainable development of multimodal transports for Upper Austrian industry.</p>
Other information	Personal Resources

	Plan/strategy no.3
Name in national language	Transport School Lab
Name in English	Transport School Lab
Responsible entity for the plan's/strategy's draft	Logistikum Steyr
Highest decision-making body approving the plan/strategy	bmvit - Federal Ministry of Transport, Innovation and Technology
Internal / External Influence	Internal
Geographical coverage (please select)	<p><input type="checkbox"/> Regional</p> <p><input type="checkbox"/> Sub-regional/provincial</p> <p><input type="checkbox"/> local</p> <p><input type="checkbox"/> Other, specify: County</p> <p>There have already been labs in Hungary, Romania and Germany - further international labs are planned.</p> <p>These labs will also be operated regionally and Austria-wide.</p>
Main topic of the plan/strategy	<p>The Transport School Lab is supported by the Climate and Energy Fund as part of the Co-Creation Spaces funding programme. The aim is to develop existing learning and experimental initiatives into modern co-creation spaces where young people and children can experiment and gain insight into an authentic working environment.</p> <p>For a day right in the middle of the action - in cooperation with the Ennschafen, the Logistikum team offers the opportunity to experience sustainable logistics up close and combine theoretical knowledge with practical impressions (including a tour).</p>



	In times of increasing globalization and digitalization, the logistics industry is in a state of continuous change. In order to implement the resulting trends and meet the requirements of sustainable freight transport development, this industry will need young and dynamic workers in the future.
Other topics addressed	Awareness and Knowledge With the help of the Transport School Lab, future strategies will be developed to increase awareness in the transport and logistics industry. In order to create long-term perspectives and lasting contributions in the field of awareness and knowledge around the topic of sustainable goods mobility for young people and young adults, it is essential to inform potential future logisticians in an innovative and interactive way.
Year of its drafting	2017
Year of its official issue	2017
Revision period (please provide details when the plan/strategy is scheduled for revision/overhaul)	Ongoing small changes in the program to adapt the content to current events. Above all, the content is always adapted to the different target groups.
Description of the main changes/actions proposed in result of ChemMultimodal (if known)	For the ChemMultimodal project, the content of the toolbox developed in the project was referred to and an exercise was created. https://www.reecotrans.at/de/lehrmittel/pakete/multimodaler-transport/