# Output factsheet: Pilot actions

<table>
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<tr>
<th><strong>Project index number and acronym</strong></th>
<th>CE36 ChemMultimodal</th>
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<tr>
<td><strong>Lead partner</strong></td>
<td>Ministry of Economy, Science and Digitalisation Saxony-Anhalt</td>
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<td><strong>Output number and title</strong></td>
<td>O.T2.1</td>
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<td><strong>Responsible partner (PP name and number)</strong></td>
<td>Ministry of Regional Development and Transport Saxony-Anhalt PP 02</td>
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<td><strong>Project website</strong></td>
<td><a href="http://interreg-central.eu/chemmultimodal">http://interreg-central.eu/chemmultimodal</a></td>
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<td><strong>Delivery date</strong></td>
<td>16.04.2019</td>
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ChemMultimodal’s pilot phase had the purpose to test the usefulness and effectiveness of the project’s before-developed tool-box which aimed at the promotion of multimodal transport. To that aim, companies were addressed in each of the participating regions/countries and invited to collaborate closely with ChemMultimodal project partners to investigate if transports realised by road could be shifted towards rail and/or short-sea transport. To raise awareness for multimodal transport and to network chemical industry with logistics service providers, a series of local workshops took place during the pilot phase.

In Saxony-Anhalt, 7 companies participated in the pilot phase. Together with the Ministry of Regional Development and Transport Saxony-Anhalt and the isw Institute for Structural Policy and Economic Development, 7 transports of 4 companies representing 7,250 road kilometres were investigated for multimodal potentials using the ChemMultimodal tool-box. These transports are responsible for monthly CO2 emissions of 3,023 tons of CO2. By the end of the ChemMultimodal pilot phase, feasible multimodal transport solutions were found allowing to reduce transport kilometres realised by road by 7,250. The pilot action in Saxony-Anhalt prepared a CO2 reduction of 194 tons of CO2 per month, representing a modal shift of 100 per cent.

In addition, 3 workshops were realised in Schkopau, Schwarzheide and Leuna where an accumulated number of 201 stakeholders participated. In conclusion of the pilot phase, suggestions to review and modify the ChemMultimodal tool-box were shared with the project consortium, and a discussion was initiated how to continue the promotion of multimodal transport beyond the pilot phase and project lifetime.
Expected impact and benefits of the pilot action for the concerned territory and target groups

With the realisation of the pilot action in Saxony-Anhalt road transports on 7 routes were investigated for their multimodal potentials. In result of the activities carried out, feasible potentials for multimodal transport have been identified on 7 routes for further review by industry decision-makers.

The objective of the ChemMultimodal Pilot Project was to create the awareness for multimodal transports within the chemical companies and to bring them together with the logistics service providers to develop new routes with the existing volumes. The ChemMultimodal toolbox was developed to support chemical companies and logistics service providers in their strategic and operational planning. The toolbox consists of 4 main elements:

1. IT Visualisation of transport flows
2. Planning Guidelines for increasing the share of multimodal transport
3. Consulting Services for chemical companies to improve multimodal transport
4. Measuring CO2 footprint of chemical logistics

The common objective of the pilot projects is to increase multimodal transport by 10% and reduce CO2 footprint by 5% until the end of the project duration. To meet these requirements a number of bilateral discussions have taken place and seven modal shifts have been proposed to the companies. It is now up to the companies to continue the efforts and to develop the new routes together with the service providers.

The recommended multimodal connections refer to the amount of 55,800 tons of transported goods and would reduce CO2 by 2,332 tons. Till the end of the pilot phase no transport were actual shifted to multimodal transport, but for five routes there are still negotiations ongoing.

Apart from the measurable impacts, the Ministry of Regional Development and Transport Saxony-Anhalt and the isw Institute for Structural Policy and Economic Development benefitted from the increased knowledge that allowed not only the further refinement of the ChemMultimodal tool-box but also built up capacities to further support chemical industry companies to identify multimodal solutions for the transport of their goods.
Sustainability of the pilot action results and transferability to other territories and stakeholders

The approach adopted for the pilot phase of ChemMultimodal, namely the direct collaboration with chemical industry and logistics service providers while using the project's developed tool-box, and the regular implementation of awareness raising and networking workshops will be continued amid the achieved successes. Details of the continuation will be identified in an action plan that will be forwarded to the competent decision-makers in spring 2019.

The approach taken in the pilot phase, described in the tool-box element "consultancy services", and the raised awareness for transport-related CO2 emissions, using the CO2 calculator element of the tool-box, can be universally applied not only to chemical industries but to other sectors of the economy. Used visualisation tools cover most European territories and allow replication of the approaches in other regions.

The revised tool-box of ChemMultimodal is published on the project's website. Further information regarding the realisation of the pilot in Saxony-Anhalt can be found at http://www.cluster-chemie-kunststoffe.de.

Lessons learned from the implementation of the pilot action and added value of transnational cooperation
The review of the pilot phase’s experiences allow to refine the ChemMultimodal tool-box and the preparation of Saxony-Anhalt’s action plan specifying how the successfully tested approaches will be continued after the termination of the project’s lifetime.

As a conclusion of this Pilot project phase, we would like to highlight some issues related to the Saxony-Anhalt/Central European/ European Logistic System that emerged by the analysis and the confrontation with companies.

- The chemical logistics sector is not as good interconnected as expected - this is not so much valid for the region, but certainly for the transnational base. Although chemical transports often were handled beyond national borders, the big picture is not seen by the people involved. As part of the project, contacts from the different regions of the participating countries could be linked with each other to obtain an optimal information situation about existing and planned multimodal transport connections.

- The information options are very limited and intransparent. There is no common planning platform - in Germany and certainly not on a European base. So it was a big added value of the project to be able to use the contacts and the knowledge of the project partners.

- Chemical companies are generally interested to increase multimodality, first of all for safety reasons but more and more if a cost reduction can be achieved.

- Difficulties to be faced regarding infrastructures (not possible to solve in the short period) and operational issues (e.g. not existing connections, transit time, reliability).

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex
In the course of the Pilot Actions the Toolbox was tested and revised according to the experiences made. The final toolbox elements (D.T1.2.6 It Visualisation of transport flows, D.T1.2.7 Planning Guidelines for increasing multimodal transport, D.T1.2.8 Consulting Services for chemical companies to improve multimodal transport, D.T1.2.9 Measuring CO2 footprint of chemical logistics) are available on the project website:

https://ifsl50.mb.uni-magdeburg.de/chemmultimodal/

The results of the regional Pilot Actions (D.T2.3.5 Final implementation report Saxony-Anhalt) are available on the project website:


The comprehensive Pilot Phase report (D.T2.9.3 Evaluation report on results and achievements of pilot projects) is available on the project website: