

## ChemLog Memorandum

Warsaw, 6th October 2011

### Introduction

ChemLog is a European cooperation project between regional authorities, chemical industry associations and scientific institutions from Germany, Poland, Czech Republic, Slovakia, Hungary, Austria and Italy with the objective to strengthen competitiveness of the chemical industry by improving framework conditions for supply chain management in Central and Eastern Europe.

The project idea has been developed during the discussion between the European Chemical Regions Network (ECRN), the European Commission and the chemical industry associations in the High Level Group for the competitiveness of the chemical industry in Europe in 2008. From November 2008 to October 2011 EU funding from the Central Europe has been used to finance implementation of transnational activities. With the end of the EU project the partners have founded the European Chemical Logistics Network within the ECRN to ensure sustainable cooperation between politics, industry and academia in the future.

### Strategic Objectives

The ChemLog partners have defined the following joint strategic objectives for the improvement of chemical logistics in Central and Eastern Europe:

- Improvement of transport infrastructure alongside the Pan-European transport axes in West-East direction and better coordination of European infrastructure projects
- Improvement of intermodal transport, development of multimodal terminals and better organisation of subsequent transport
- Improvement of inland waterway transport with focus on Elbe and Danube river
- Development of a pan-European Pipeline network
- Improving chemical logistics from EU to eastern neighbouring countries with special focus on Russia and Ukraine
- Development of innovative financing models, better and coordinated use of European Structural Funds
- Contribution to harmonization of standards (social, economic and technical)
- Improving safety and reliability of chemical transport and facilitating implementation of Emergency Response and Crisis Management Systems for the Chemical Industry
- Initiating Know-How and technology transfer by strengthening cooperation of stakeholders at regional and European level

## Needs for Actions

The partners have started the ChemLog project with the analysis of strengths, weaknesses, opportunities and threats for chemical logistics in Central and Eastern Europe. Within this SWOT Analysis transport barriers and general recommendations for the improvement of chemical logistics have been identified. On this basis more concrete recommendations have been developed and the partners have implemented several feasibility studies on intermodal transport, waterway transport and pipeline development to pave the way for future investments.

The results from the feasibility studies and the concrete needs for actions have been summarised in the ChemLog Strategy and Action Plan, which is the basis for the implementation of activities in the future. The Strategy and Action Plan contains firstly the proposals from the ChemLog partners for infrastructure development, which should help to overcome transport bottlenecks. Secondly proposals for the improvement of framework conditions and soft facts are describe to achieve better organisation of chemical logistics. The action plan contains concrete implementation steps, fixes responsibilities and gives outlook to financial framework for the implementation of activities in the near and mid-term future.

The project partners have identified the following needs for action in their Strategy and Action plans:

### **Saxony-Anhalt, Germany**

- Promotion of intermodal transport from and to markets in Central and Eastern Europe alongside PEC II and III and Elbe Corridor (between Prague and Hamburg with connection to the coming Fehmarnbelt-Bridge)
- Development of intermodal hub function in Eastern Germany by facilitation of cooperation and networking of existing and planned terminals and their integration in Pan-European transport flows
- Integration of ChemLog results and recommendations into regional and national transport policy making and implementation
- Better use of Structural Funds for innovative financing of transnational transport infrastructure
- Improvement of chemical logistics in Russia and Ukraine
- stronger gearing of economy and transport in regional planning regarding the specific needs of the chemical industry

### **Poland**

- Promotion of intermodal transport development between Western and Eastern Europe with special focus on cooperation with neighbouring countries
- Promotion of intermodal transport of chemical products in Poland as efficient and environment friendly
- Integration of logistics transport network including pipeline connections
- Activities aimed at including of ChemLog results and recommendations into regional and national transport policy making and implementation
- Improving safety and reliability of chemical transport by means of SQAS and Best Practices promotion and facilitating implementation of Emergency Response and Crisis Management Systems for the Chemical Industry

## **Czech Republic**

- Inland waterways' development and its publicity in continuity to European transport corridors on regional, national and European level
- Preparation of supporting and developing programs for economic and environmental river freight transport, mainly in the sphere of chemical industry from regional, national and international funds (sources)
- Ensuring of support entities from industry and transportation sphere for accelerated construction of navigation degree in Decin in base of economic analysis coming out from feasibility study ChemLog project
- Preparation of concrete steps for realization of navigation degree in Decin in framework Programme for development in the Usti Region, as basic development regional document
- Development of multimodal logistic centre in Lovosice as a part of national public logistic centres network in the Czech Republic
- Integration of ChemLog results and recommendations into regional and national transport policy making and implementation
- It is necessary to finish building up of the basic network of railway, highway and river corridors for the subsequent development of the combined transport
- With respect to the specifics of the transport of the chemical goods, it is necessary to continue in development of the unified system of the combined transport, especially its infrastructure, services and equipment of the terminals and subsequent transports
- Dissemination of the European combined transport standards in the field of chemical goods transport
- Improvement of employees education in the field of chemical goods transport
- Collective proclamation of road and rail transporters (March 2010) defined the main pillars for development of the combined transport
- Improving communication and networking - SpeedChain biggest International Logistic Conference in CEE
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## **Slovak Republic**

- Pilot project: From Czech Republic to Slovakia per corridor IV Berlin – Prag and per East – West railway freight corridor 9 Prag – Zilina – Kosice – Ukraine.
- In priority of the Slovak transport policy is declared multimodal transport as priority. New public terminal are construct with help of EU funds per operational program Transport. Control and Information system of terminals have to cooperate with IT systems of railways, other terminals, etc.
- Cooperation with TransContainer could help by transit to Ukraine and Russia.
- Project will help by EU funds coo-financing of chemical logistic infrastructure in Slovakia
- Project will help at the opening of operation of new public multimodal terminals in years 2014 – 2015
- Start of new continental lines, help for Marco Polo line projects
- Permanent international cooperation with partners in logistic
- Education of staff in multimodal transport, tank cleaning stations
- Promo of existing T&T solution in industry, transfer of know-how.

### Upper Austria

- Strengthening the Danube waterway as an transport mode for chemical industry
- Confronting chemical companies in Austria with the Danube waterway as an alternative and sustainable transport mode; perspective consideration the Danube waterway within company's long-term transport planning activities
- Analysing current challenges faced with transports on the Danube waterway and deriving improvement measures in order to increase its attractiveness in the future; communication of challenges and improvement measures to transport policy
- Evaluating chemical company's current modal split and its potential shifting of annual transport volumes towards the Danube waterway
- Screening of current services of logistics service providers
- Connecting the potential shifting (demand) and the services offered (supply); initiate concrete shifts

### Novara, Italy

- Promotion of intermodal transport alongside the Pan-European Corridor V, discussing in ad-hoc meetings with main industrial and logistic Stakeholders, in primis the Italian Railways, how to operate in order to shift part of the road traffic to rail
- Evaluation of infrastructure development needed for efficient cross-border transport
- \* Establishment of European network of tank cleaning stations alongside the Pan-European Corridor V, initially involving Hungary and Czech and Slovak Republics, beyond Italy,, but being open to an extension of this network to other ChemLog Partners,
- Development of tank cleaning station at intermodal terminal CIM Novara for the promotion of logistic centre
- Improvement of safety and reliability of chemical logistics by introduction of tracking and tracing solutions in Europe, starting with an application of RFID technology, but foreseeing future developments with other technologies and in cooperation with other ChemLog Partners

### Hungary

- Organisation of intermodal transport based on rail in and across Hungary: shifting the transit from road to rail by providing scheduled container liner
- Foundation and proceeding with the first Chemical Logistics Cluster, which should become precursor for further national ChemLog clusters, which will finally build up the European Network
- Organisation of stable and mobile tank cleaning possibilities within Hungary
- Distribution of the mobile tank cleaning technology for interested ChemLog project members in Europe
- Mainstreaming the advantages of rail transport in politics and public, especially emphasizing the environmental impacts of less land consumption, less pollution, less accidents
- Further research using the outcomes from ChemLog project to find the best tracking and tracing method for wagons/containers using the state of art technology in ITC

## **Establishment of European Chemical Logistic Network**

After three years of successful cooperation the ChemLog project partners are committed to continue cooperation on chemical logistics in Central and Eastern Europe in the future. For this purpose the “European Chemical Logistic Network” has been founded as thematic pillar within the European Chemical Regions Network - ECRN.

Representatives from public authorities, chemical industry, logistic service provider and research institution will work together on a regular basis with the objective to implement recommendations from the ChemLog Strategy and Action Plan. For this purpose each region/country will establish a regional ChemLog network, which is responsible for the organisation of regional activities and is a contact point for international communication. The coordination of the European Network is shared between Saxony-Anhalt and the Province of Novara.

The European Chemical Logistic Network has defined a set of follow up activities with the main focus on the implementation of the ChemLog Strategy and Action Plan. Regular meetings will be organised to bring together project partners and other relevant organisations. A deeper cooperation should be established with the European Commission and Cefic in the follow up process of the High Level Group as part of the new EU2020 strategy. Furthermore a close cooperation with political administrations at regional and national level will be intensified in order to support the integration of recommendations into relevant transport policy and planning. Finally, the development of follow up projects on specific topics of chemical logistics will also be facilitated to deepen thematic cooperation and enlarge partnership.

The European Chemical Logistic Network invites all interested stakeholders to contribute to this work. The network should pave the way for further intensification of exchange of experience and transnational cooperation with the aim to improve the framework conditions for chemical logistics in Central and Eastern Europe.

### **List of Project Partners**

Ministry of Science and Economy Saxony-Anhalt, DE  
Ministry of Regional Development and Transport, DE  
isw Institute for Structural Policy and Economic Development, DE  
Polish Chamber of Chemical Industry, PL  
Usti Region, CZ  
SCHP CZ Association of Chemical Industry of Czech Republic, CZ  
University of Applied Science Upper Austria, AT  
Association of chemical and pharmaceutical industry of Slovak Republic, SK  
Province of Novara, IT  
Regional Development Holding, HU

### **Website**

[www.chemlog.info](http://www.chemlog.info)