

TAKING  
**COOPERATION**  
FORWARD



Dissemination Conference: Developing multimodality in Central Europe Region  
Milan, 19th June 2018



**ChemMultimodal (CE36)**



André Mangelsdorf | Ministry of Economy, Science and Digitalization Sachsen-Anhalt

# Project Overview



# Partnership



Ministry of Economy, Science and Digitalization Saxony-Anhalt (DE)  
Ministry of Regional Development and Transport Saxony-Anhalt (DE)  
isw Institute for Structural Policy and Economic Development (DE)  
Otto-von-Guericke University Magdeburg (DE)  
FH Upper Austria / Logistikum (AT)  
Plastics Cluster Upper Austria (AT)  
IFKA Hungary (HU)  
Province of Novara (IT)  
Sviluppo Chimica (Federchimica; IT)  
Association of Chemical and Pharmaceutical Industry of Slovak Republic (SK)  
Usti Region (CZ)  
Czech Association of Chemical Industry SCHP (CZ)  
Polish Chamber of Chemical Industry (PL)  
Warsaw School of Economics (PL)

558 bln.

1.2 mln.

8 %



**0,9 < 15**  
**accidents per billion tkm**

**Rail < Road**



**ChemMultimodal**



# Traffic Jam Germany 2017

1.448.000 km

357.000 h



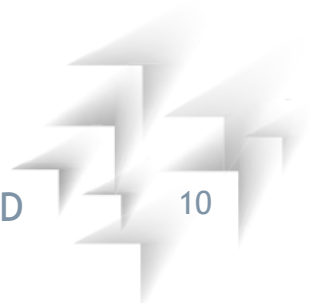




**2% < 30%**

**Transport < Total**

**C02 Reduction  
Germany since 1990**

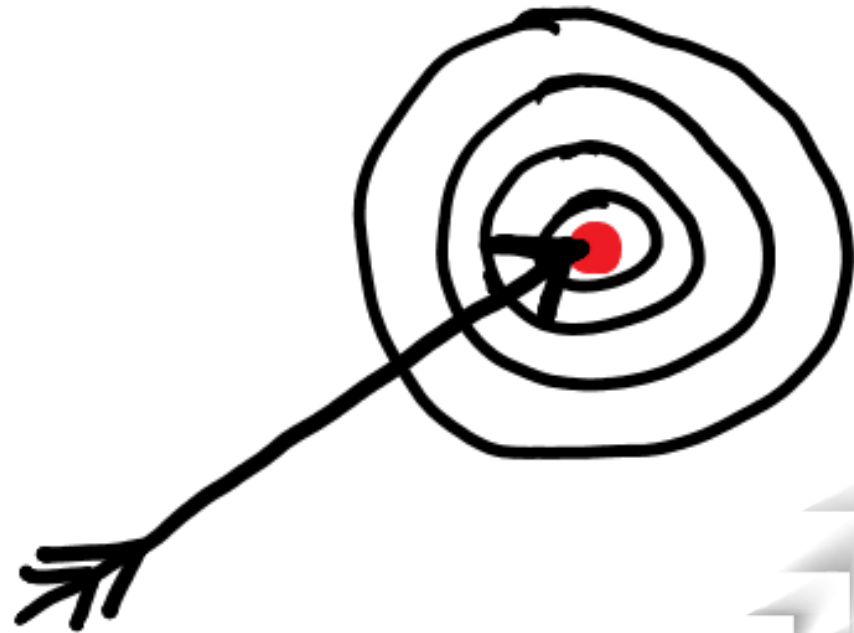


## Promotion of multimodal transport of chemical goods

35 companies

+10% Multimodal

-5% CO<sub>2</sub>



**26 < 62**  
**gCO<sub>2</sub>/tkm**

**Multimodal < Road**



## WP Analysis and Tool Development

Analysis of Present Situation

Development of Tool

## WP Pilot Implementation

Thematic Workshops

Bilateral Meetings

## WP Strategy and Actionplan Development

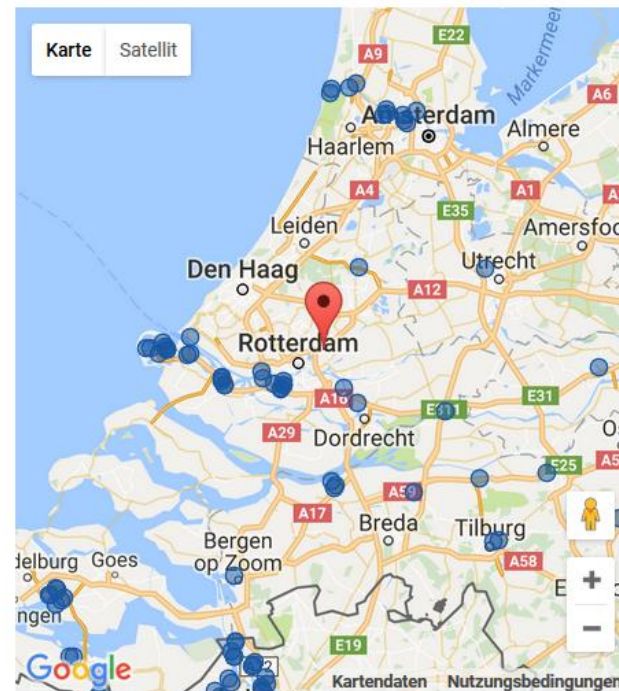
7 National Actionplans

1 Common European Strategy



# Toolbox: IT-Visualization

Address:



**Find connections**

# Toolbox: Planning guidelines

- Development of checklist / decision tree for analysing transport framework and suitability of multimodal transport
- Target Group Chemical Companies and LSP
- Guidelines / Handbook to be used in bilateral discussion with companies
- e.g. volume of transports, destinations, distance, availability of terminals, existing regular connections or regional terminals, staff qualification, service parameters, quality requirements, timing, clients expectations, planning process, suitable LSP with experience, bottlenecks, problems



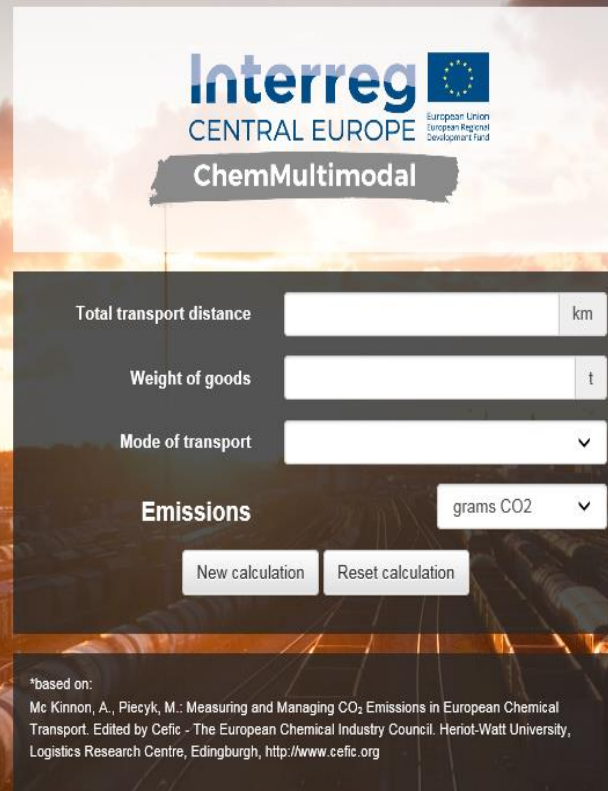



1. Consulting service for ChemMultimodal Experts that support companies in their organisation of transport
  - bilateral meetings with chemical companies
2. Develop format of stakeholder meeting, where companies and LSP come together to discuss
  - a) bundling of transports and
  - b) development of new routes
  - Offer description of best practices that motivate other companies, with analysis of success factors
  - Provide information (See planning guides)
  - Cooperation with chemical association / Clusters



# Tool-box: CO<sub>2</sub> Footprint

## CO<sub>2</sub> Calculator for Chemical Transports



**Interreg**   
CENTRAL EUROPE  
ChemMultimodal

Total transport distance  km

Weight of goods  t

Mode of transport  ▼

Emissions  grams CO<sub>2</sub> ▼

\*based on:  
Mc Kinnon, A., Piecyk, M.: Measuring and Managing CO<sub>2</sub> Emissions in European Chemical Transport. Edited by Cefic - The European Chemical Industry Council. Heriot-Watt University, Logistics Research Centre, Edingburgh, <http://www.cefic.org>

- September 2017 - November 2018
- Exchange of experience on best practice solutions for multimodal transport
- Discussion about optimisation of logistic processes with chemical companies and logistics service providers
- Showing opportunities for the establishment of cost efficient multimodal transports
- Identification of potential relations for the establishment of new regular multimodal connections
- Support for the bundling of transports
- Support for the use of funding programmes



# Strategy and Action Plan

- **Influence and Contribute to Policies and Strategies for promotion of multimodal transport**
- **EU:** White Paper, Freight Logistics, Digitalisation, Combined Transport Directive
- **National:** e.g. German Masterplan Rail Freight Transport, Polish Transport Strategy 2020, Austrian Transport Plan, Hungarian Transport Infrastructure Development Strategy
- **Regional:** e.g. Logistic Concept Saxony-Anhalt, Mazovia Development Strategy 2030, Innovative Upper Austria 2020
- **Development of Action Plan to ensure sustainability of activities after project end** - Clusters and Industry associations continue to promote multimodal transport with their members



# Thank you



André Mangelsdorf  
Ministry of Economy, Science and Digitalization Sachsen-Anhalt  
Hasselbachstraße 4  
39104 Magdeburg



[www.interreg-central.eu/chemmultimodal](http://www.interreg-central.eu/chemmultimodal)



[andre.mangelsdorf@mw.sachsen-anhalt.de](mailto:andre.mangelsdorf@mw.sachsen-anhalt.de)



+49 391 567 4263