



Interreg

CENTRAL EUROPE



European Union  
European Regional  
Development Fund

ChemMultimodal



TAKING  
COOPERATION  
FORWARD



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## ChemMultimodal - Objectives & Activities



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**558 bln.**

**1.2 mln.**

**8 %**

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**1.2 mln.**

**8 %**





**0,9 < 15**

**accidents per billion tkm**

**Rail < Road**

**1.126.000 km**

**341.000 h**

# Traffic Jam Germany 2016

**1.126.000 km**

**341.000 h**





CO<sub>2</sub>



**2% < 30%**

**Transport < Total**

**CO2 Reduction  
Germany since 1990**

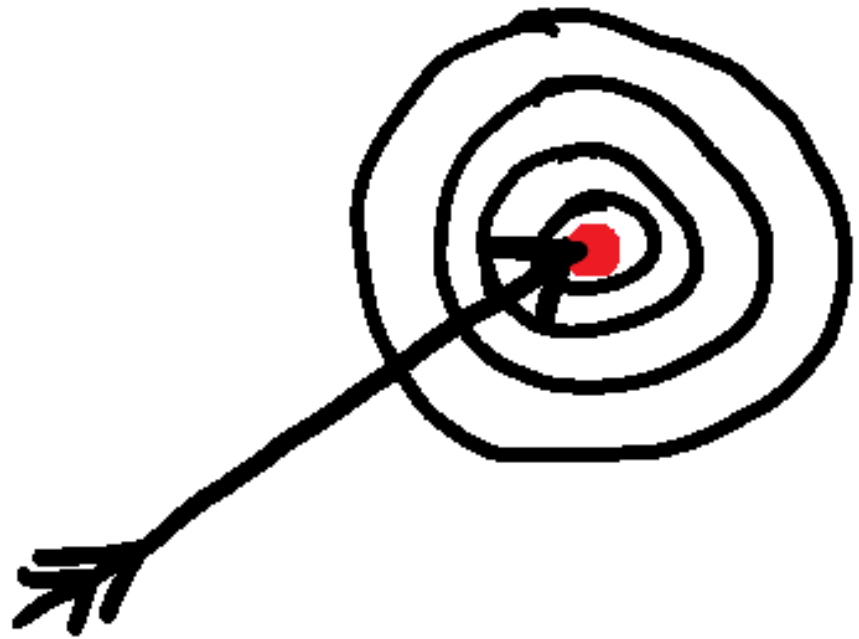
# Objective

Shift of transports from Road to multimodal Transport

35 companies

+10% Multimodal

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



**26 < 62**

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

**Multimodal < Road**

# KTSK Terminal Schkopau



# DUSS Terminal Leipzig Wahren

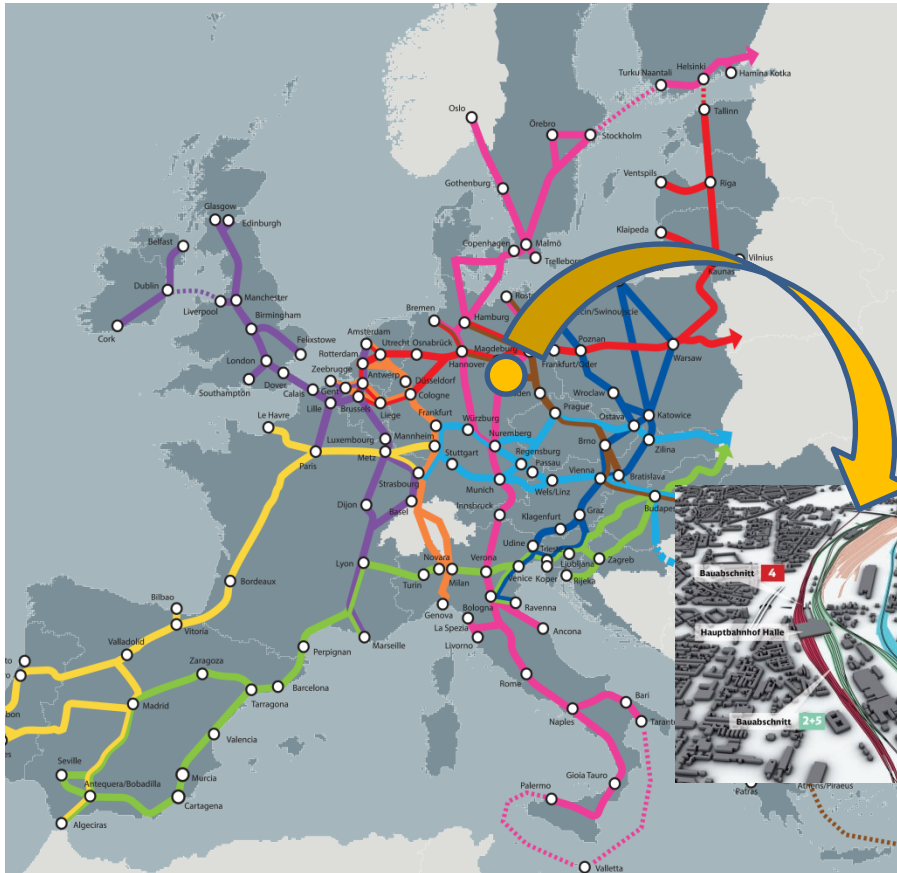


# Bertschi Schwarzheide



# TEN-T und Shunting Yard Halle

- Investment: 700 Mio. €
- 42 km Rail tracks
- Opening: 2018



# Partnership

Chemical Regins, Industry Associations

Universities from

Saxony--Anhalt,

Poland, Czech

Republic, Hungary,

Slovakia, Austria,

Italy





- Ministry of Science and Economic Affairs Saxony-Anhalt (LP)
- Ministry of Regional Development and Transport Saxony-Anhalt
- isw Institute for Structural Policy and Economic Development
- Otto-von-Guericke University Magdeburg
- FH Oberösterreich / Logistikum
- Plastics Cluster Upper Austria
- IFKA Hungary
- Province of Novara
- Sviluppo Chimica (Federchimica)
- Association of Chemical and Pharmaceutical Industry of Slovak Republic
- Usti Region
- Czech Association of Chemical Industry SCHP
- Polish Chamber of Chemical Industry
- Warsaw School of Economics

**Analysis - Tool Development**

**Pilot Projects**

**Capacity Building**

**Strategy & Action Plan**

# Toolbox (12/16 – 5/17)



IT  
Visualisation



Planning  
Guidelines



Consulting  
Services



CO2  
Footprint

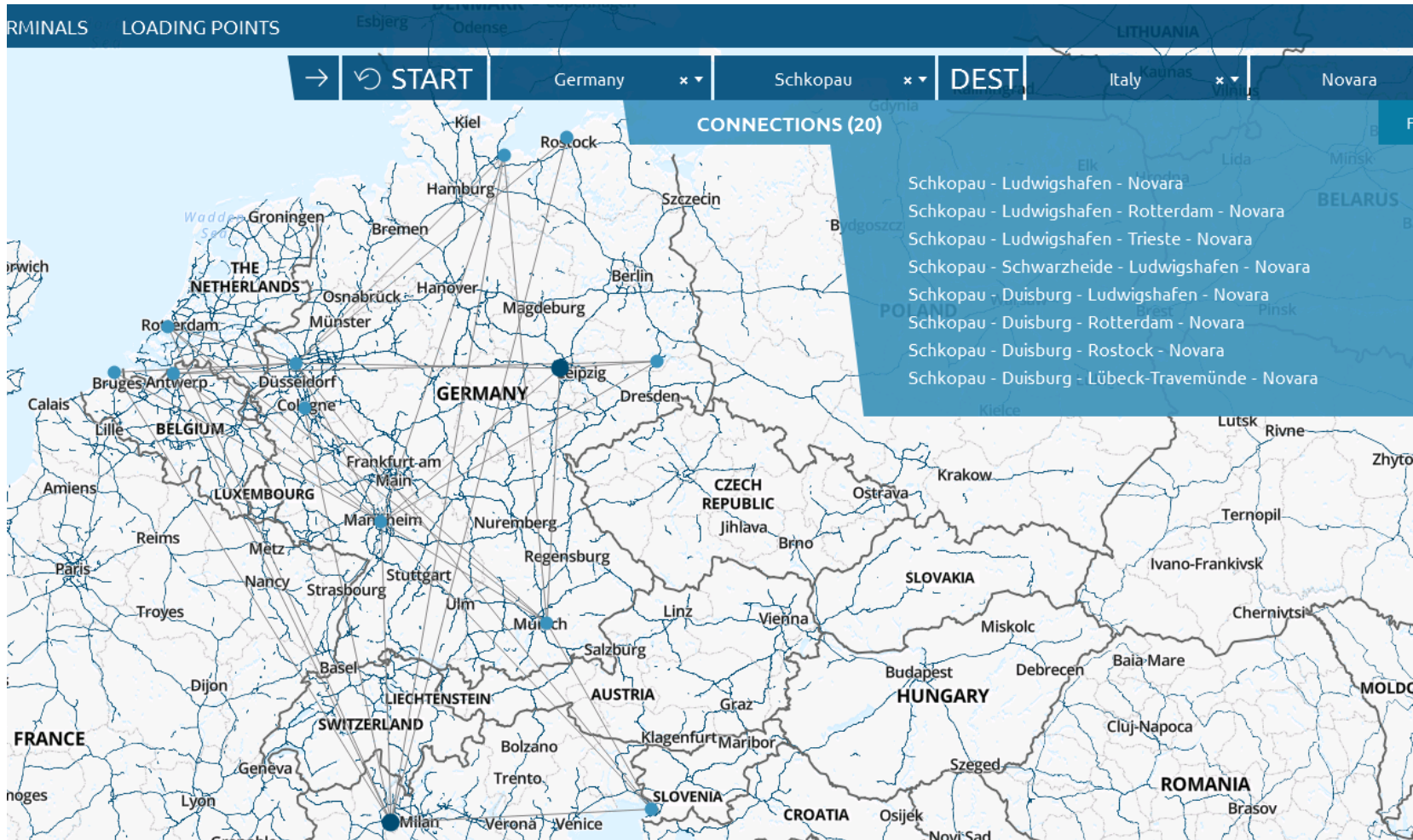


TERMINALS    LOADING POINTS

→ ↺ START    Germany    Schkopau    DEST    Italy    Novara

**CONNECTIONS (20)**

- Schkopau - Ludwigshafen - Novara
- Schkopau - Ludwigshafen - Rotterdam - Novara
- Schkopau - Ludwigshafen - Trieste - Novara
- Schkopau - Schwarzeide - Ludwigshafen - Novara
- Schkopau - Duisburg - Ludwigshafen - Novara
- Schkopau - Duisburg - Rotterdam - Novara
- Schkopau - Duisburg - Rostock - Novara
- Schkopau - Duisburg - Lübeck-Travemünde - Novara



# 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

# Toolbox: Consulting Services

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

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



**Total transport distance**  km

**Weight of goods**  t

**Mode of transport**  ▾

**Emmissions**  grams CO<sub>2</sub> ▾

\*based on:

# Pilot Projects

- June 2017 – May 2018
- 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



A dramatic sunset over a railway track in a rural landscape. The sky is filled with large, dark clouds illuminated from below by the setting sun, creating a vibrant orange and red glow. Sunbeams radiate from behind the clouds. The railway track, composed of dark gravel and wooden sleepers, curves through the foreground and middle ground. To the left, there is a field of tall, dry grasses and a white structure. To the right, there are green fields and a wooden fence. In the distance, several utility poles and a small building are visible against the horizon. The overall scene is peaceful and scenic.

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