



**CENTRAL
EUROPE**
COOPERATING FOR SUCCESS.



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



**RESPONSIBLE
CARE**

Combined transport in the Central and Eastern Europe and cleaning station

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ChemLog cleaning meeting, Šoporňa, SK, March 9 - 10, 2011

ChemLog project (Chemical Logistic Cooperation in the Central and Eastern Europe)



Project participants:

- Ministry of Economy and Labour Saxony –Anhalt (project leader - DE)
- Institut isw Halle (DE)
- Ministry of Regional Development and Transport (DE)
- Polish Chamber of Chemical Industry (PL)
- **Association of Chemical Industry (CZ)**
- **Usti region**
- FH OO Research and development, GmbH / Logistic (AT)
- Association of Chemical and Pharmaceutical Industry (SVK)
- Province of Navara (I)
- Regional developmental holding (HU)

SCHP ČR

representing chemical industry

- **Responsible Care from 1994**
- **140 subjects**
 - **62 producers**
 - **32 traders and distributors**
 - **also R&D institutes, schools and universities and others**
- **86 individual members**
- **4 collective members**
 - **AVNH ČR (Association of Paint manufacturers of the Czech Republic)**
 - **CACS (Czech Association of Cleaning Stations)**
 - **ČAPPO (Czech Association of Petroleum Industry and Trade)**
 - **SCHOD ČR (Chemical Traders and Distributors Association of the Czech Republic)**
- **more than 80 % of the Czech production of the refinery, petrochemicals, chemicals, pharmaceuticals, plastics and rubber industry**

Feasibility study – Premises

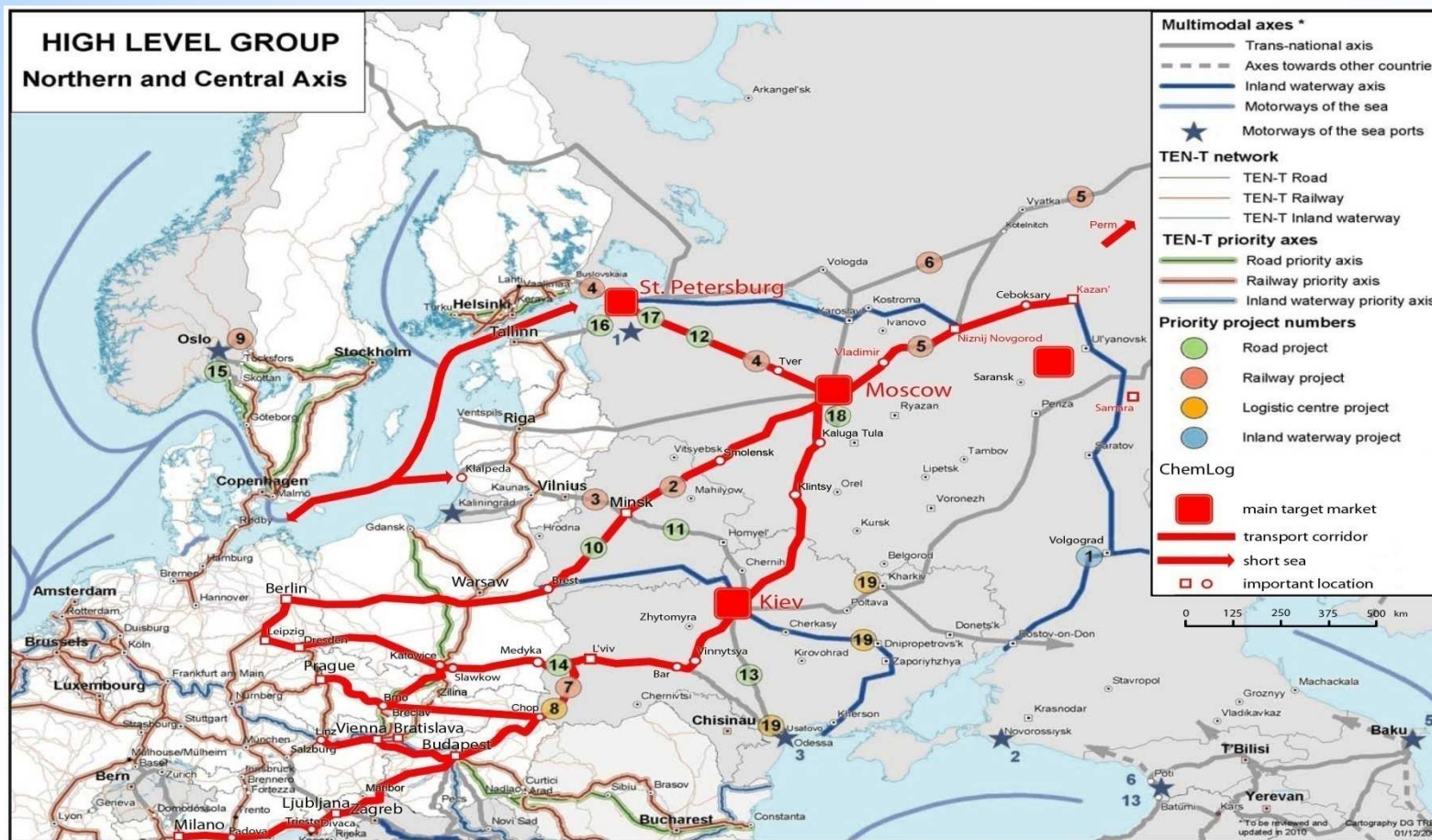
- The key role in the Central Europe – road transport

Capacity of the roads

Collective proclamation of road and rail transporters (March 2010) defined the main pillars for development of the combined transport:

- ✓ Existence of regular lines of public combined transport on the long distances
 - ✓ Sufficient equipment with suitable loading units for road transporters
 - ✓ Transition infrastructure between road and rail – terminals with free and undiscriminated access for road transporters
- Share of the combined transport on the overall transport (in units of %)
 - Share of the chemical goods transport on the overall transport (<10%)

Central and Eastern Europe interconnection



Statistics

- Within the chemical industry there is a high potential for increasing of the volumes of chemicals transported by combined transport
 - ✓ CEFIC professional organisation data on the permanent growth of the E.U. chemical industry
- Developing eastern European markets and growing Asian markets
 - ✓ Constantly growing exchange of goods (increased export and import of chemical goods)
 - ✓ Constantly growing demand for raw material from eastern markets
 - ✓ Searching for new trade outlets on eastern markets

Main outputs - conclusions

Conclusion 1:

- There is significant potential for increasing the volumes of combined transports exists in the frame of chemical industry

Conclusion 2:

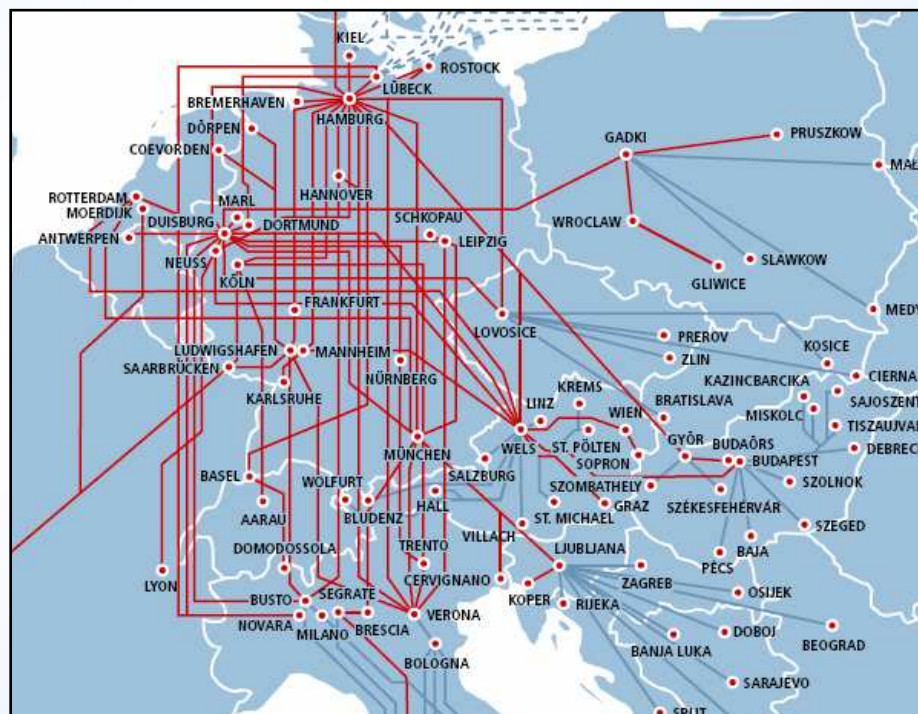
- There is a necessity of systematic, permanent, high-quality and pan-European comparable education of all individuals that participate in the transport of chemical goods

Conclusion 1:

There is significant potential for increasing the volumes of combined transports exists in the frame of chemical industry

What has to be done to fulfill this potential?

- Systematic completion of infrastructure
 - Road corridors (equipment, current status – solution, feasibility stakeholders)
 - Further develop the combined transport infrastructure (terminals, lines, equipment, solutions, feasibility, stakeholders)
 - **Defining and subsequent adoption of European standards**



Conclusion 2:

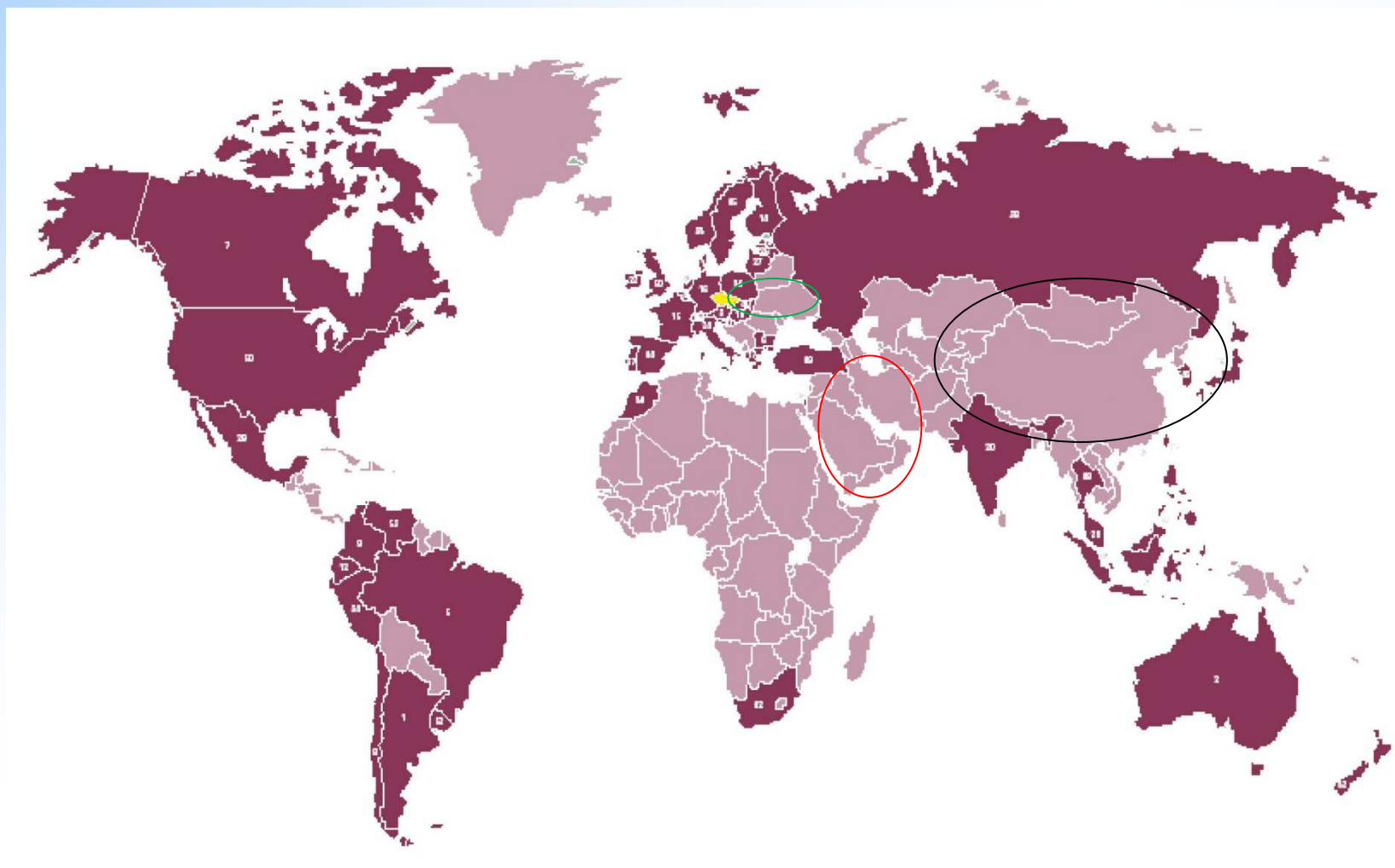
There is a necessity of systematic, permanent, high-quality and pan-European comparable education of all individuals that participate in the transport of chemical goods

What has to be done?

- Regularly train logisticians of chemical companies, logisticians in the field of conveyance and transportation, and grammar school and university students
- Training in the following areas must be secured:
 - Legislation associated with logistic of dangerous goods (ADR, RID) **in connection with optional systems for transport of chemical goods (ICE, SQAS)**
 - Formulate the basic know-how principles of logistics
 - Co-ops and personal contacts, achieved by means of professional associations under the assistance of EU projects

RESPONSIBLE CARE

SCHP ČR = 1 z 55 národních asociací

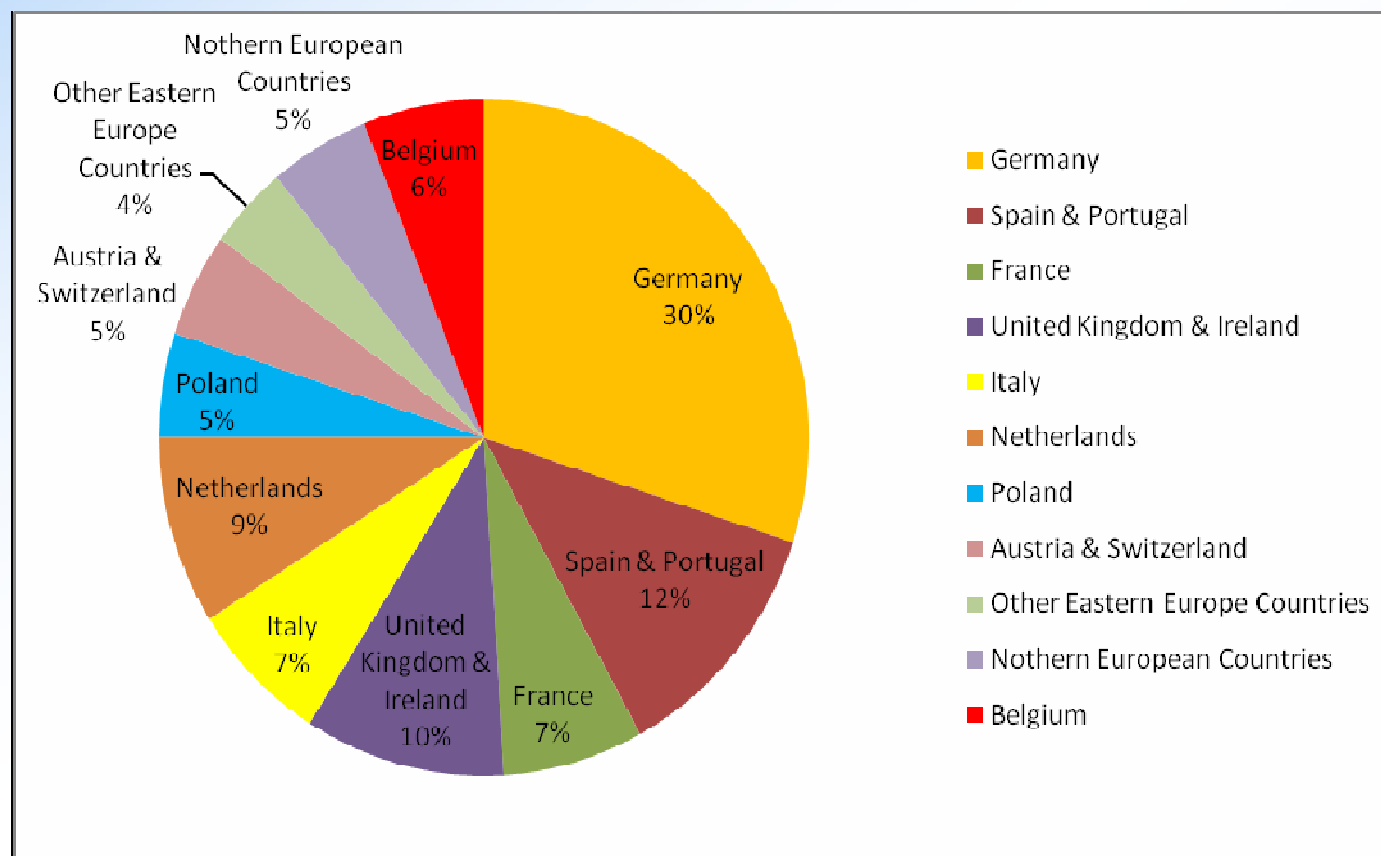




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... SQAS is Responsible Care in cleaning,transport...

SQAS



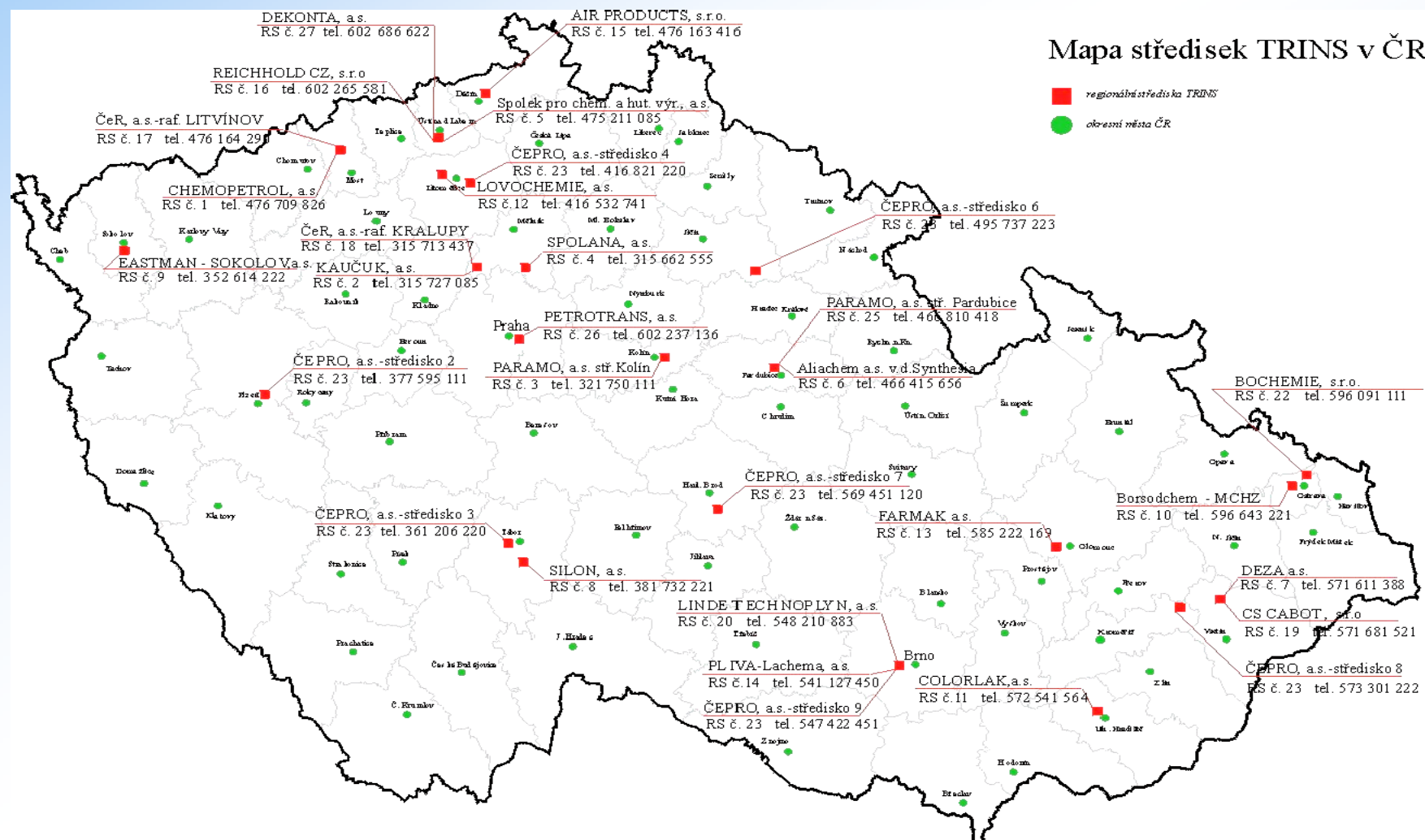
Annual SQAS report 2009

SQAS

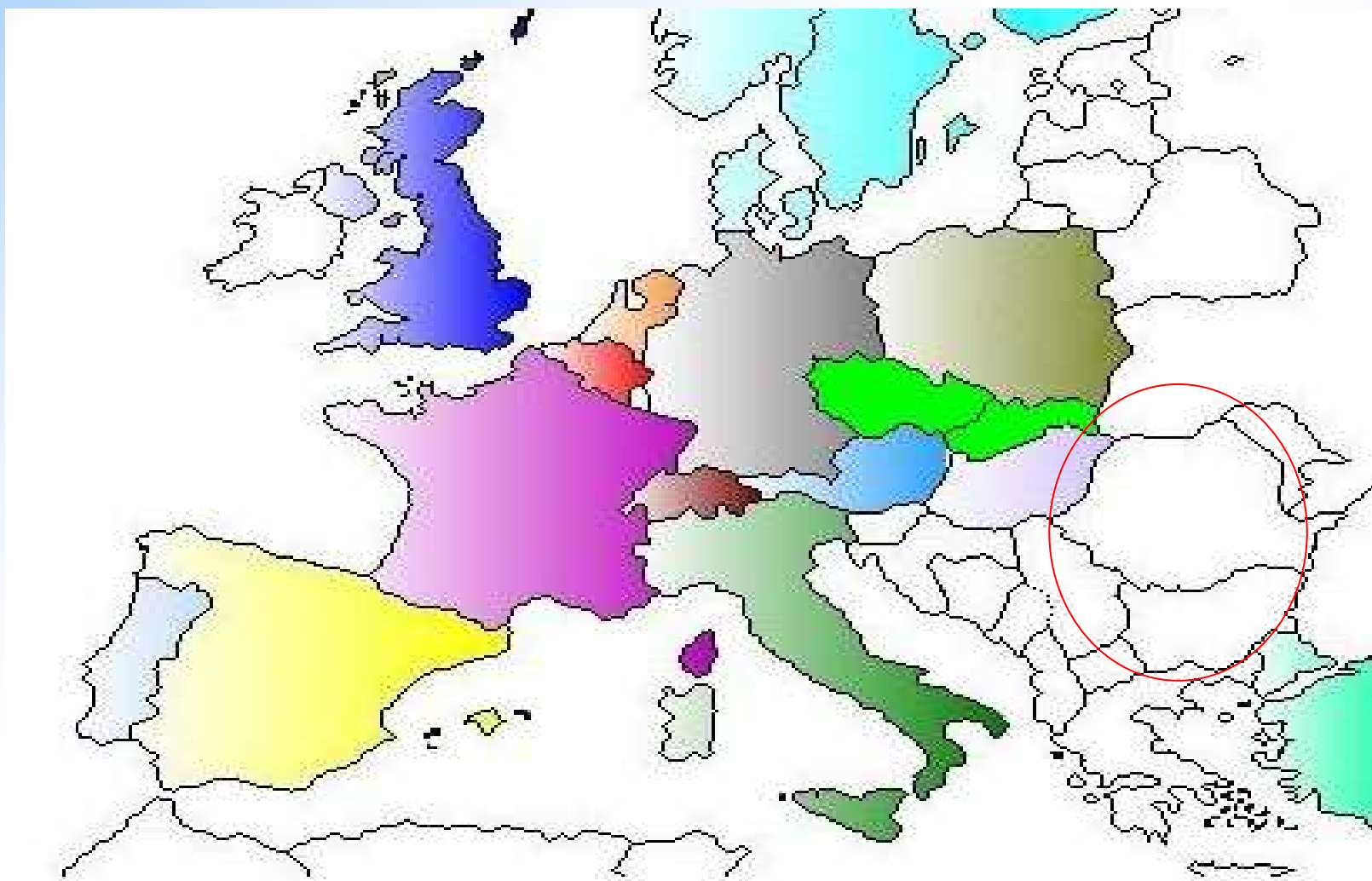
in Central and East Europe

Country	Transporter	Cleaning stations
Austria	34	10
Czech Republic	7	6
Hungary	6	5
Poland	43	21
Slovakia	2	2
Slovenia	11	1
Belorussia	1	0
Russia	0	0
Ukraine	0	0

TRINS – 15 years

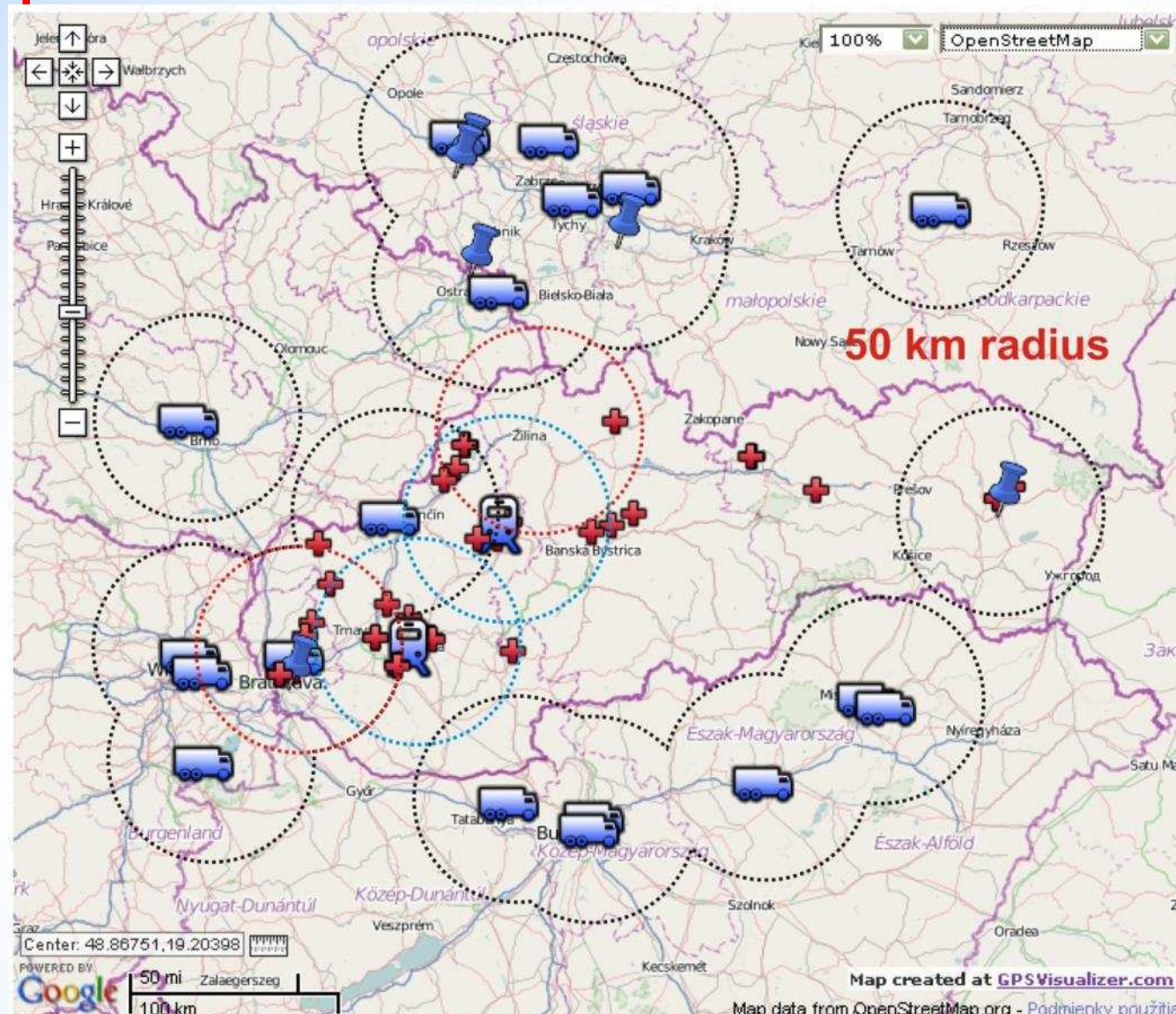


New EFTCO area



Studie proveditelnosti ZCHFP SR

- Tank cleaning stations
- ZCHFP SR members (+)
- new localities
 - Žilina
 - Šaľa
 - Bratislava/Senec
 - Nováky



Hungary

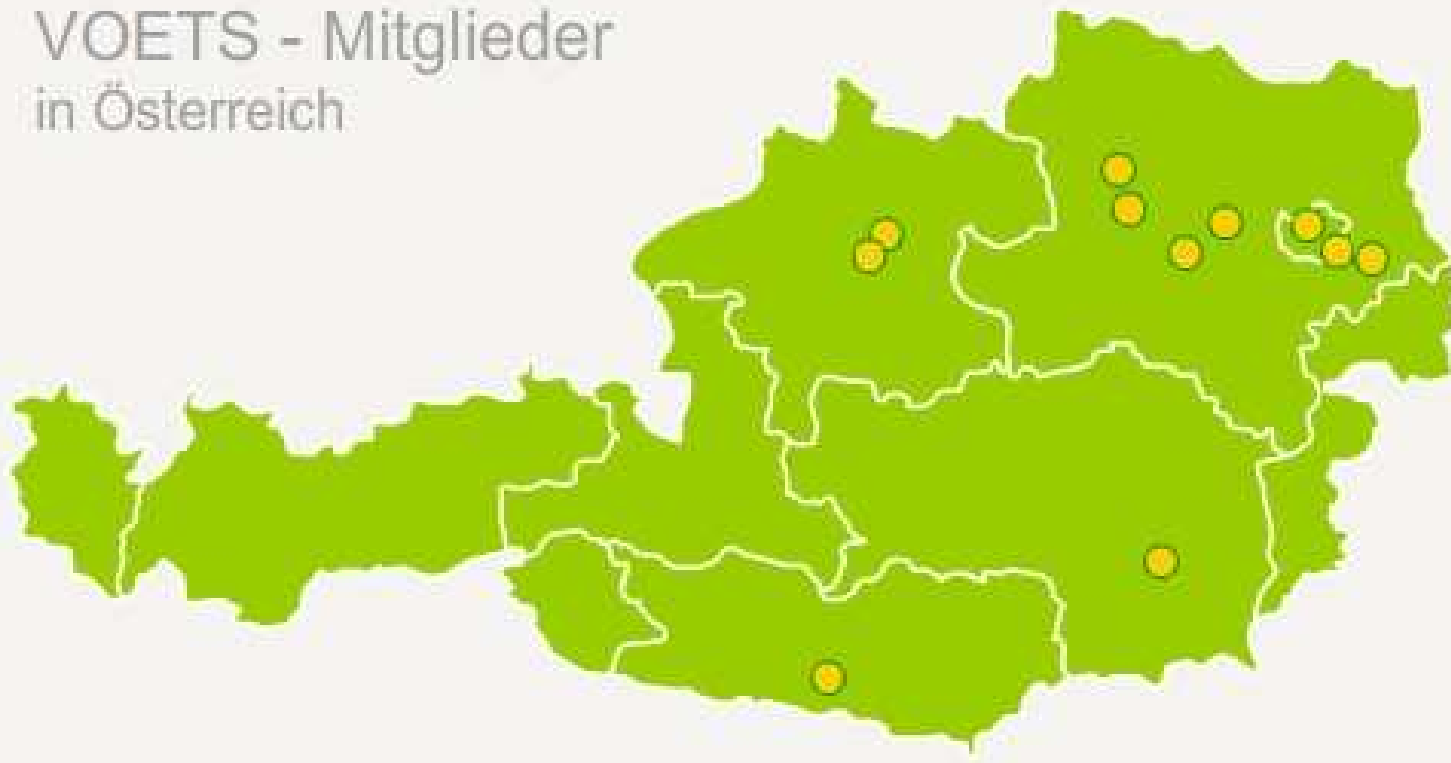


Poland



Ostereich

VOETS - Mitglieder
in Österreich



Italy

