

Traffic flow-Visualisation-Model (TraViMo)

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Bundesinstitut
für Bau-, Stadt- und
Raumforschung

im Bundesamt für Bauwesen
und Raumordnung



The beginning of TraViMo...

DEPARTURES

TIME	DESTINATION	FLIGHT	GATE	REMARKS
12:39	BERLIN	BA 903	31	CANCELLED
12:57	SYDNEY	QF5723	27	CANCELLED
13:08	TORONTO	AC5984	22	CANCELLED
13:21	TOKYO	JL 608	41	CANCELLED
13:37	HONG KONG	CX5471	29	CANCELLED
13:48	MADRID	IB3941	30	CANCELLED
14:19	LONDON	LH5021	28	CANCELLED
14:35	NEW YORK	AA 997	11	CANCELLED
14:54	PARIS	AF5870	23	CANCELLED
15:10	ROME	AZ5324	43	CANCELLED



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Starting point: Supply chain clusters

Take account of the following aspects for the determination of the relevance of the supply chains:

- Public life
needs of the population,
public consumption
- Homeland security
defence needs, military and
police functions, fire protection
- Key industries
needs of the key industries identified
- **Information System for Crisis Management**

The analysis of
traffic flows on
the basis of
statistical
data...

Used data for the freight transport information system

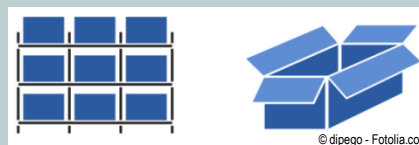
- Input data source



- Mode of transport



- Category of goods



81 different goods for example:
potatos, coal, furniture...

- Transport route
- Traffic assignment



Region A to Region B (for example Munich to Berlin)

Business Intelligence Software

- Operation purpose: explorative data analysis of large data sets
- Finding and identifying connections through visualization
- Authoring and reader System
- Intuitive handling
- Operable without special IT-knowledge (databases or statistical software)
- easy access to complex and large data sets
- allows filtering, drill-down and specific ad hoc selections

TraViMo 1.0

Traffic flow

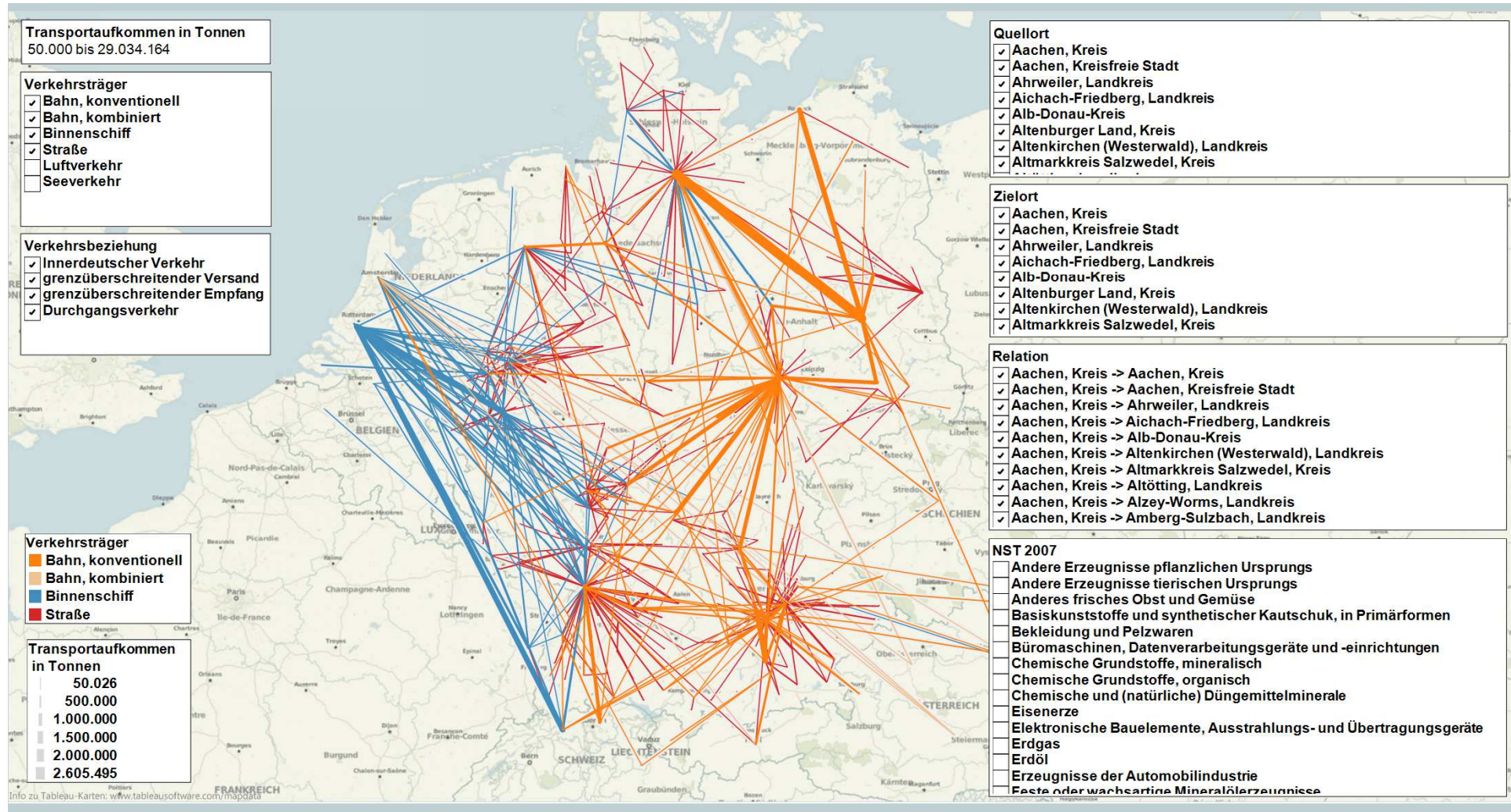
Visualisation

Model

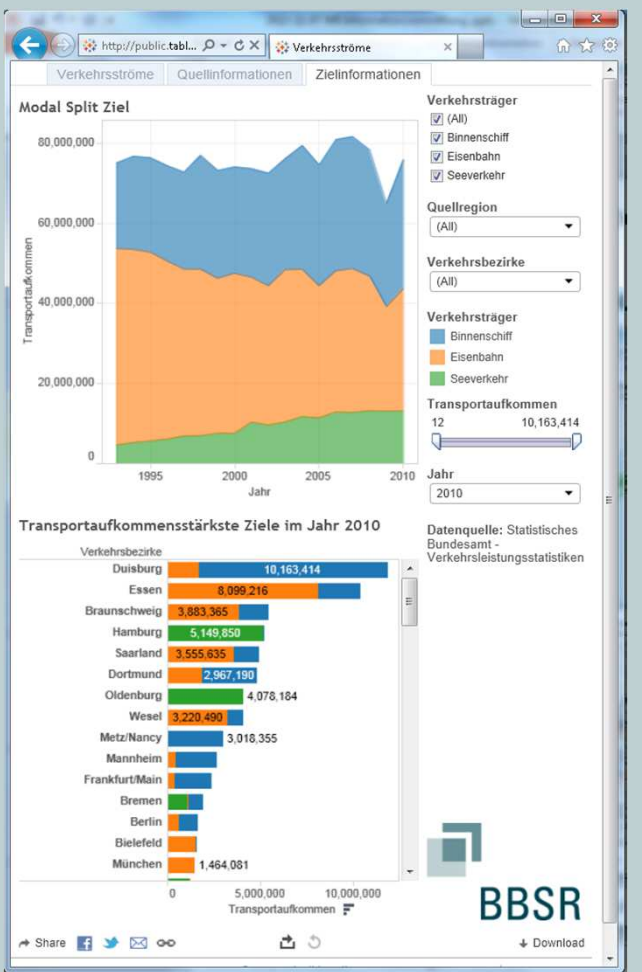
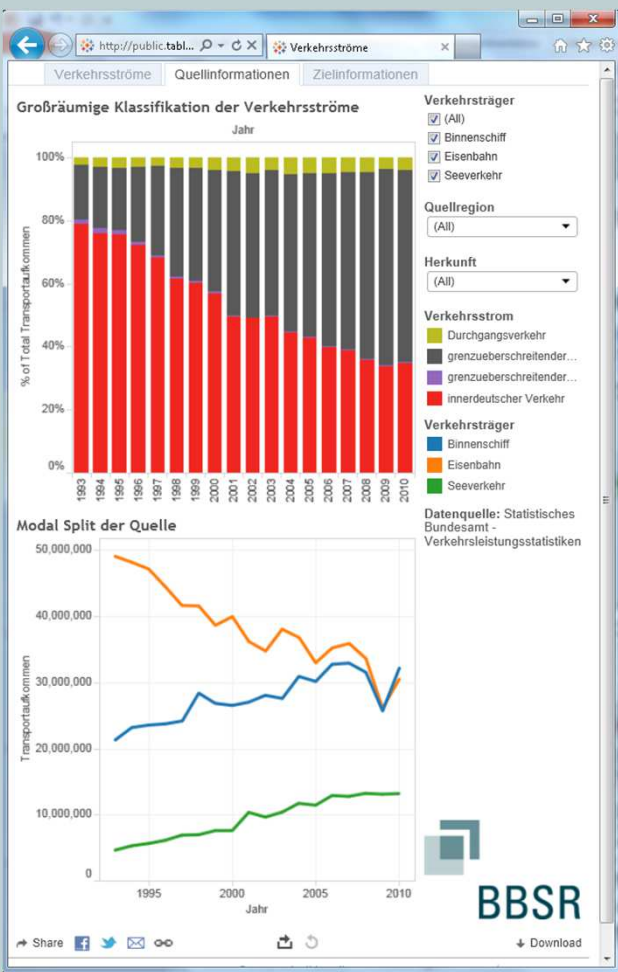
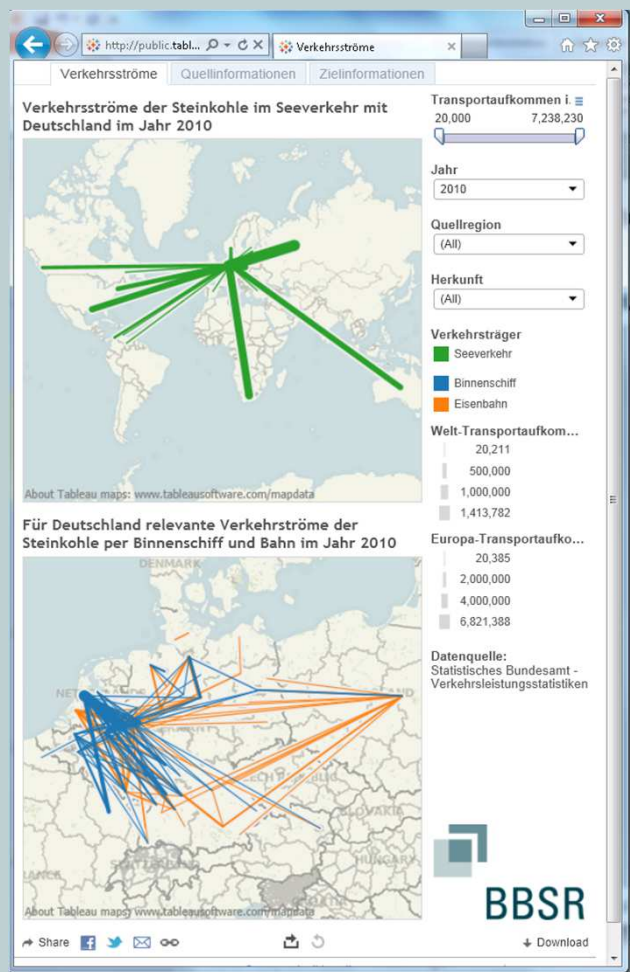
Transformation of raw traffic flow data into meaningful and useful information



Example of the information system

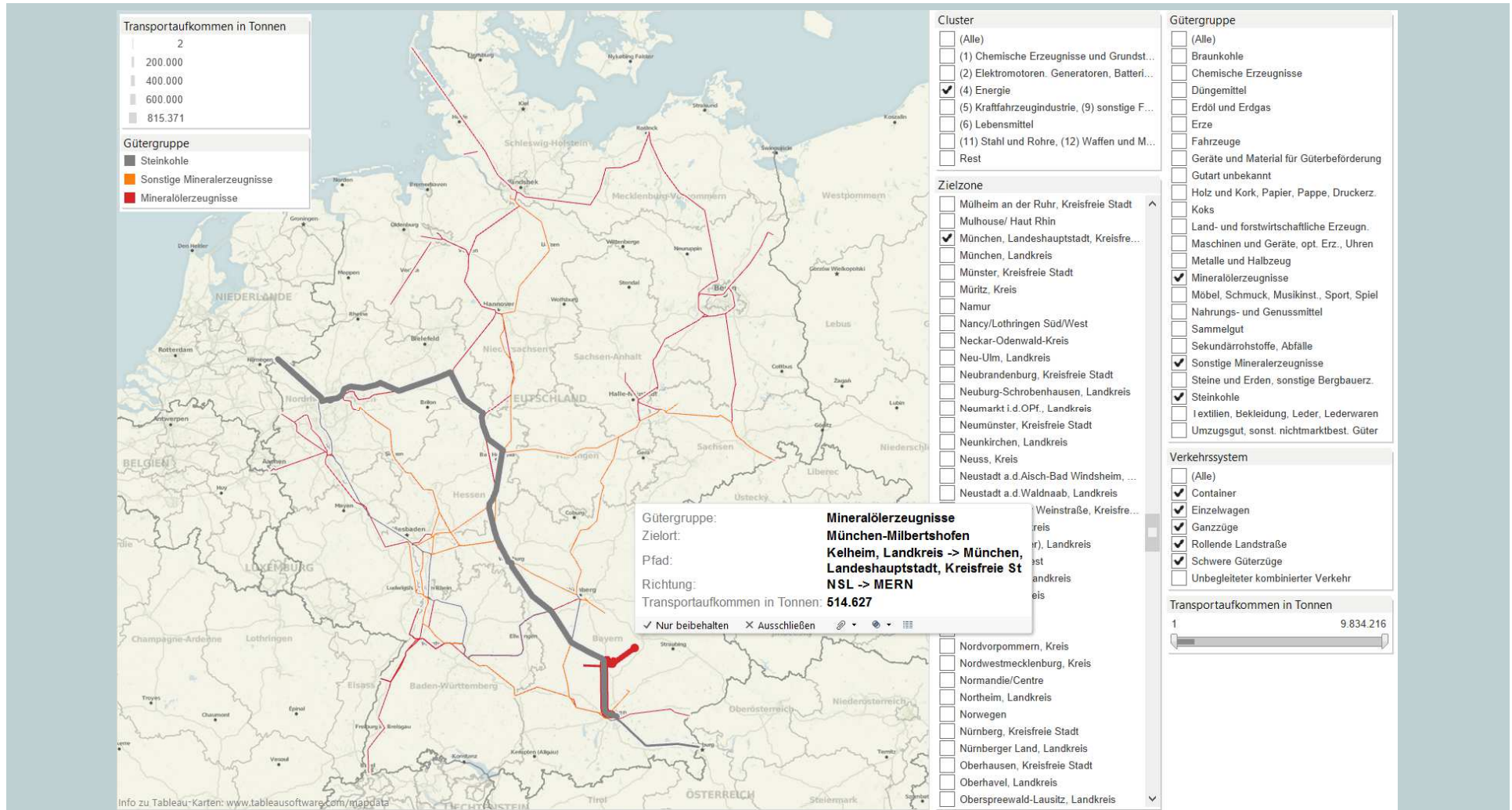


Example black coal in Germany 1993-2010



http://www.bbsr.bund.de/BBSR/DE/Raumentwicklung/Verkehrspolitik/Projekte/verkehrsstroeme_visual/01_Start.html

Example TraViMo 2.0 Energy Supply of Munich



Thank you very much for your attention!

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