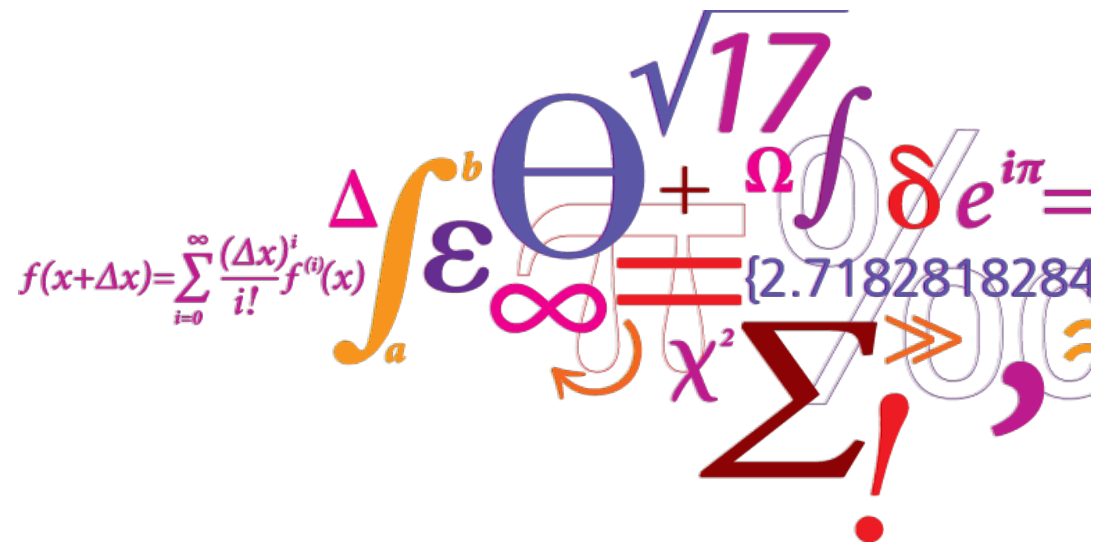


Modelling the transport cost

Jacob Kronbak

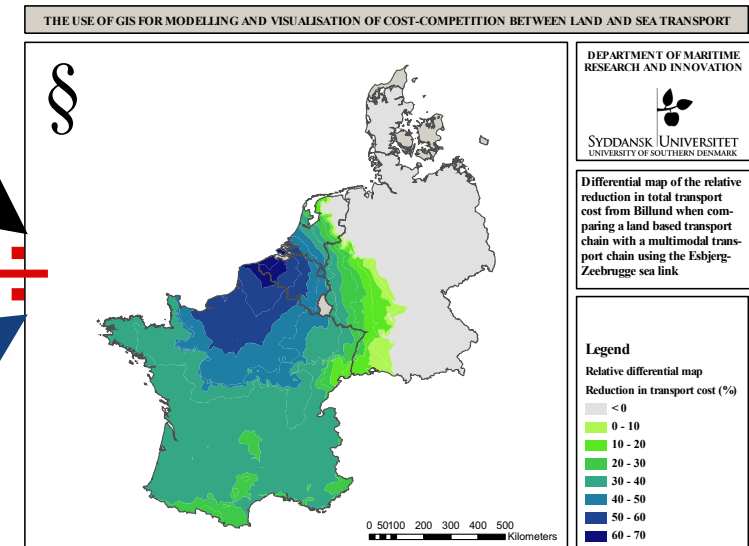
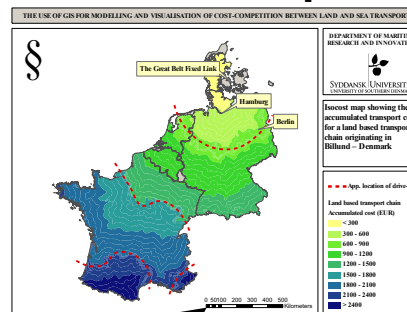
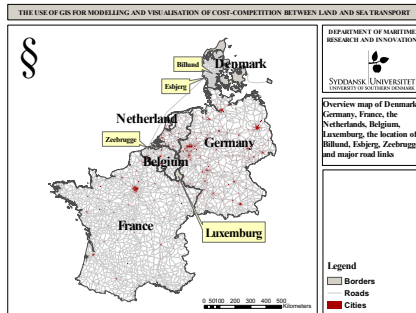


Modelling the transport cost

Intermodal
Digital network

Map of transport costs
Road transport

Visualisation of cost savings by using
intermodal transport



Chose origin

Mode	Unit	Value	Unit	Value	Unit	Value
Motor	UNIT: SEK	111	UNIT: SEK	1.100	UNIT: SEK	3.400
Truck	UNIT: SEK	30	UNIT: SEK	2.000	UNIT: SEK	4.000

Mode	Unit	Value	Unit	Value
Motor	UNIT: SEK	111	UNIT: SEK	1.100
Truck	UNIT: SEK	30	UNIT: SEK	2.000

Mode	Unit	Value	Unit	Value
Motor	UNIT: SEK	111	UNIT: SEK	1.100
Truck	UNIT: SEK	30	UNIT: SEK	2.000

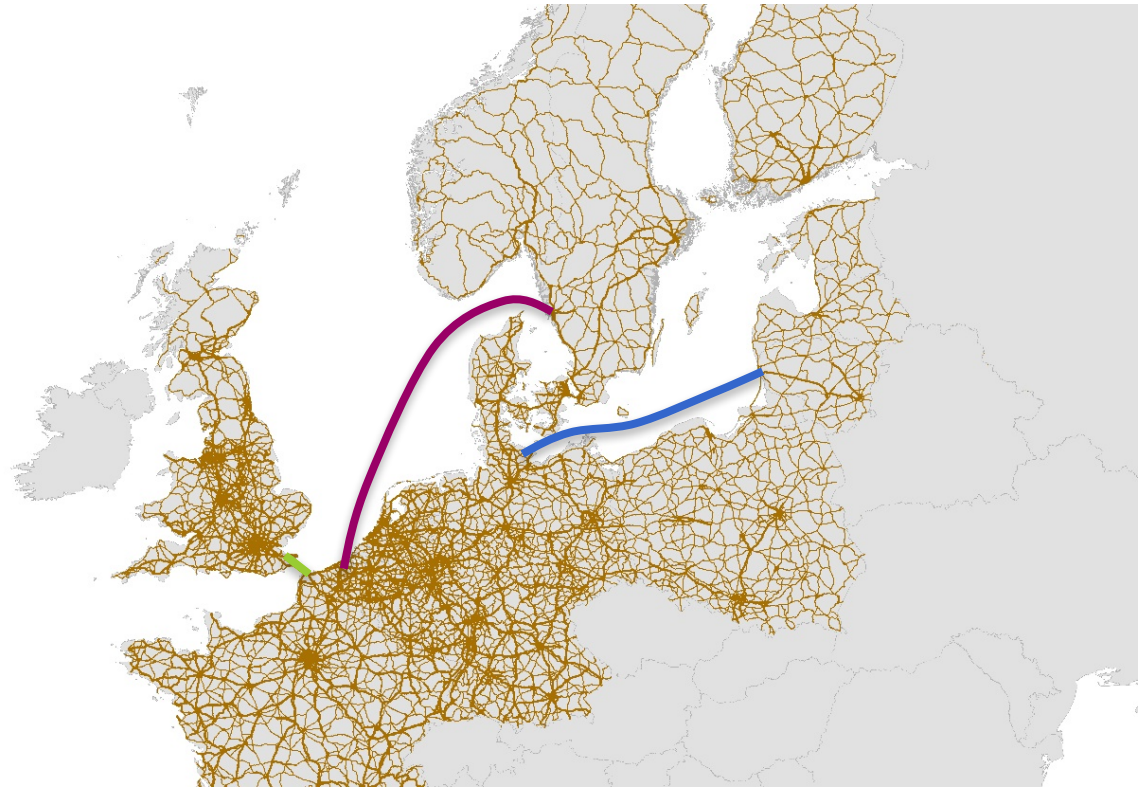
User specified costs

Map of transport costs
Intermodal transport

The digital network

- Transport cost calculated for 1 trailer
- Driving cost on each road link (incl. Maut)
- Toll on fixed links (Great Belt, Øresundsbron)
- Fare on Eurotunnel
- Fares on sea links

- Initial test calculations for 3 RO/RO routes (ON/OFF):
 - Dover – Calais
 - Gothenburg – Ghent
 - Kiel - Klaipeda



Dover - Calais

- Origin: **Brussels**
- No change due to price competition with Eurotunnel (25 EUR)



Gothenburg - Ghent

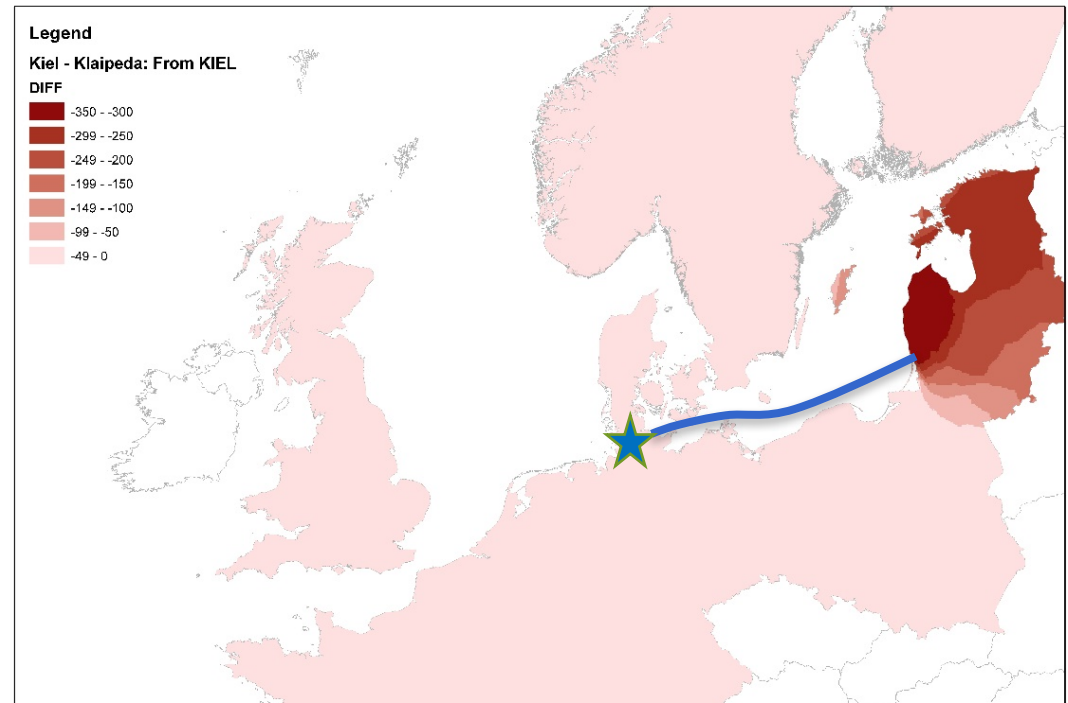
- Origin: **Gothenburg**
- Competitive boarder in western part of Germany
- Substantial savings
 - Shortcut
 - Fixed link toll

- Origin: **Ghent**
- Competitive border in southern part of Sweden
- Savings going to Skåne



Kiel - Klaipeda

- Origin: **Kiel**
- Competitive in the Baltic states
 - Parallel competing routes
 - Kaliningrad
- Origin: **Klaipeda**
- Competitive in northwestern Europe
 - “As the crow flies” to southern Europe
 - Other routes to Sweden and Norway (Karlshamn – Klaipeda)



Next steps

Network

- Inclusion of major competing sea-routes

Calculations

- Major cities in the SECA area – including cities in the hinterland

Maps

- Identification of modal decision points
- Estimates of changes in catchment areas

Thank you for your attention