



Group 2

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Er "flytende" trafikk mulig i Norden? *Is adaptive traffic guidance possible ?*
Is the free flow of cargo between the Nordic countries possible?

Use case:

Border crossing cargo transport

The problem:

- **Transport planning must be done with various data sources, content and formats.**
- **Many sources of disruptions along the route**
- **No effective data exchange between actors and nations.**

⇒ **Leads to uncertainty, accidents, pollution and waste of time and money.**

Solution to be investigated:

Early warning and improved route planning by means of open and unrestricted data sharing between actors.

Cargo transport route and possible issues

Icebreaker / ship from Finland to Denmark:

Which port and fairway to use?

Ship route from port depending on ice conditions and icebreaker position.

Road transport through Denmark to Sweden

Closed bridges due to bad weather.

Slow traffic because of accidents.

Rail transport through Sweden to Norway / Ofotbanen ?

Delays and cancellations due to

Reindeer on the tracks

Flood

Landslide

Avalanche

Road transport in Norway

Heavy snowfall gives closed roads

Dangerous situations with slippery roads

Tunnel fires and leaks stops all traffic

Air freight from Norway to Iceland:

Bad weather and vulcanic activity can disrupt air traffic

Early warning and route guidance will greatly reduce the problems.

System needs to be:

- Open for all participants
- Updated in real time
- Neutral to all actors and modes

=> Responsibility of national transport authorities?

To next meeting:

- Describe required functionality, step by step.
- Determine minimum data content
- Find tools, examples and resources
- Discuss design alternatives
- Is a demonstrator realistic?