



# NVF-IKT-Group2 2014-06-13

Niklas, Aleks, Johan, Magnus, Ola



## **Background:**

- Need to improve public services
- Need to do more with less people and money
- Lower the total cost of ICT systems
- Encourage development of value-added services

## **Previous discussions:**

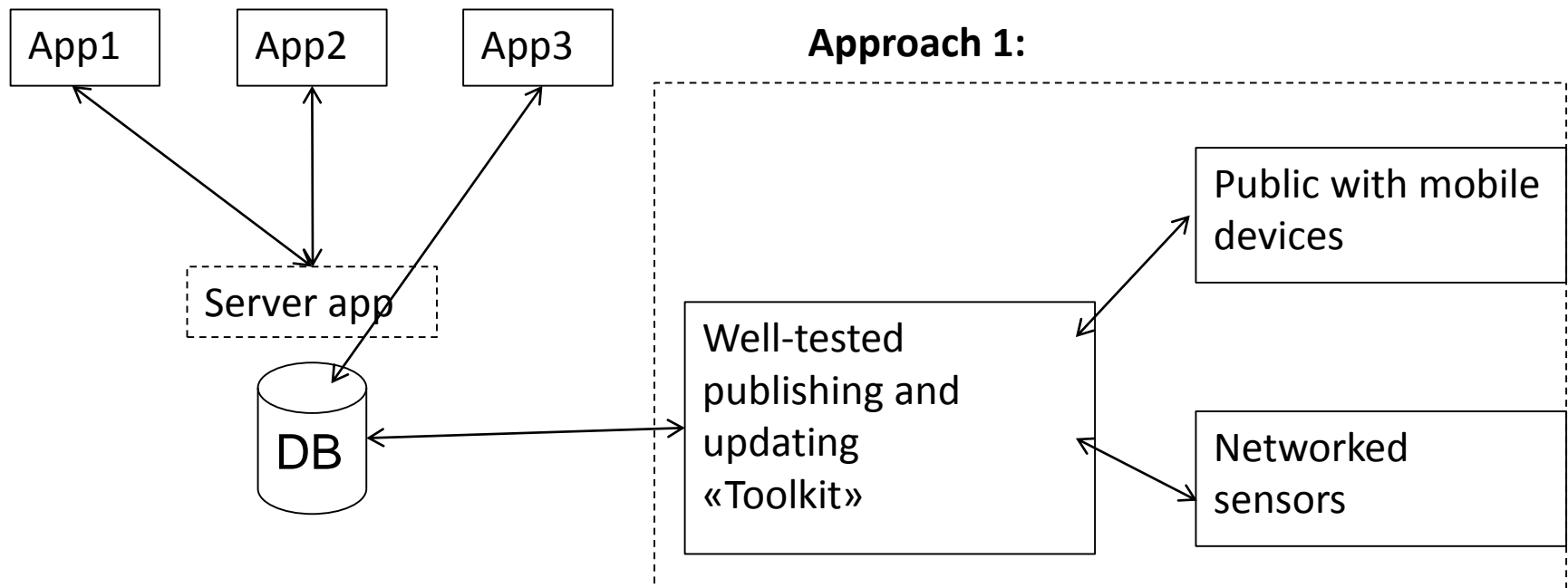
New trends and developments can make this happen:

- Crowdsourcing, involving the public
- Mobile computing and internet everywhere
- Cloud computing / instant data sharing
- Ad-hoc systems / application toolboxes
- Internet of things

How to upgrade existing systems?

**Upgrading** and using networked sensors and the public for updates can be **challenging**:

- Unknown **costs**
- Unknown **quality** of solutions
- Internal **resistance**
- **Slow** development cycle
- Usually **technology-driven**



- Data and toolboxes for sharing data are available.
- Will data reuse between countries and agencies be difficult..?

=> Taks for group 2: Demonstration

Combine open information from Finland, Sweden, Norway ,Denmark, Iceland, both from national and municipal sources.

=> Better, updated, and border crossing data for all travellers.

Possible data sources:

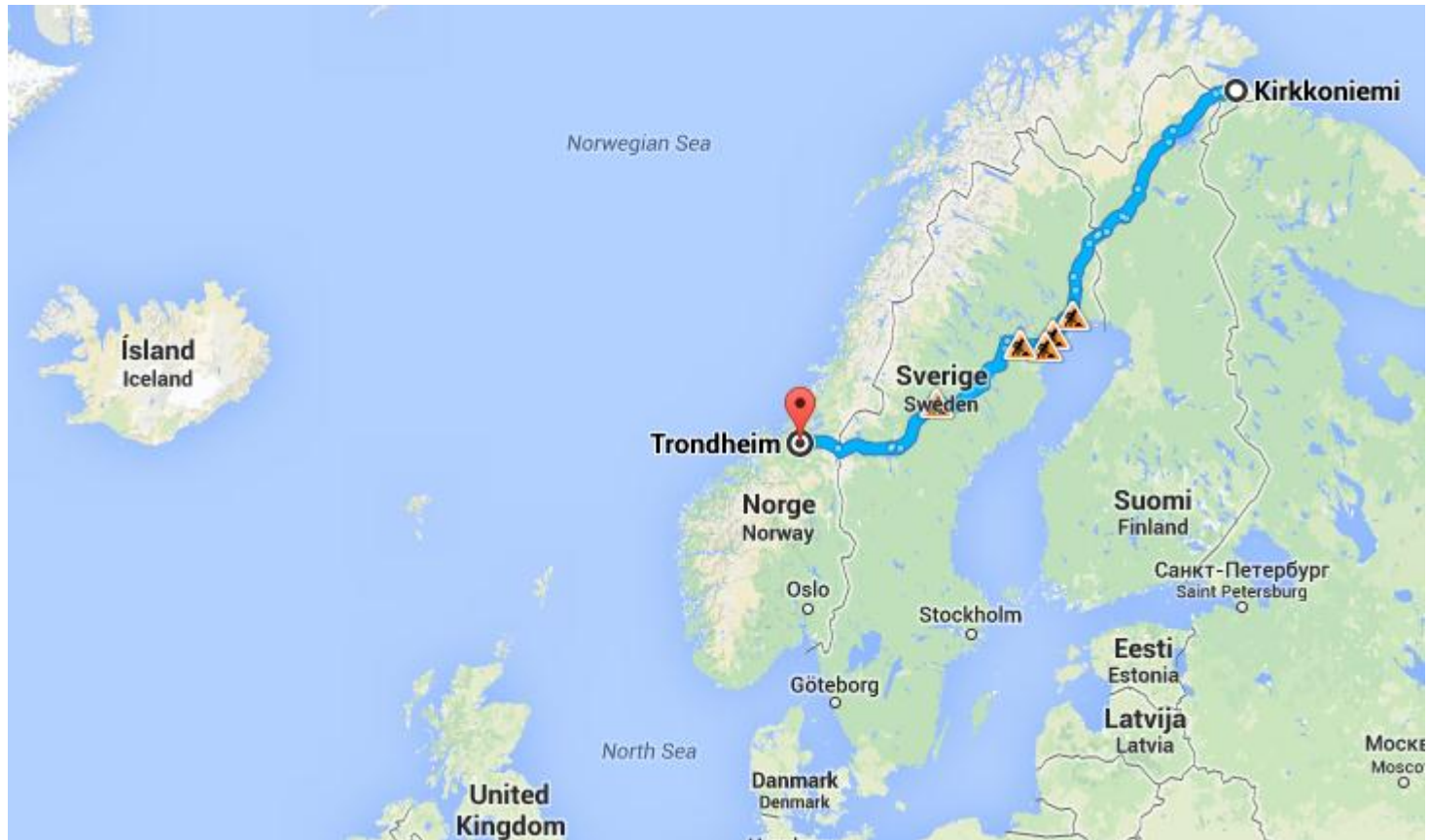
- data.norge.no
- vejdirektoratet.dk / trafikinfo
- [www.paikkatiетоikkuna.fi](http://www.paikkatiетоikkuna.fi)
- trafikverket.fi
- trafikverket.se

Data from JBV? Ellen?

# The case

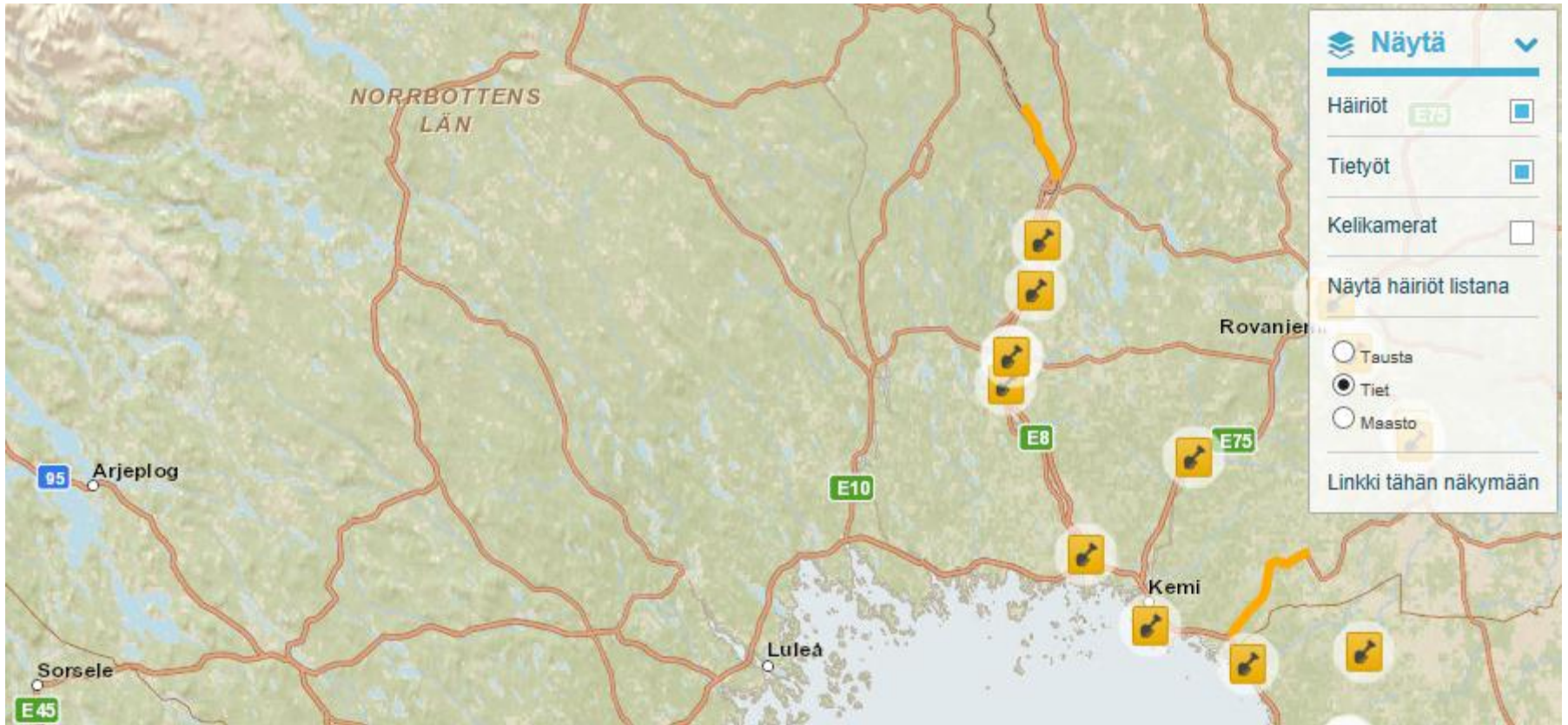
- Travel from Reykjavik to ViaNordica via Kirkenes, Finland (Vasa/Åbo) and Sweden (Umeå – Østersund- Trondheim).
- Show messages and situation reports from different open sources.
- Calculate new route if problems.

# Multi modal travel across countries:



# Example data sources





**Liikennevirasto Pooki**

Hae

Aineistot

- Turvalaite, vahvistettu
- Turvalaite, aiho
- Vesiliikennemerkki
- ▼ Merikartoituskohteet
  - Merenmittaustilaus
  - Merenmittausprojekti
  - Merenmittaussuunnitelma
  - Käyttötaluokitus\_nykyinen
  - Käyttötaluokitus\_uusi
  - Merenmittausalue
  - Varmistettuualue
  - Kiinniotto
- Erikoisalueet
- ▼ Merivaroitukset ja vikailmoitukset
  - + Vikailmoitus, avoin
  - + Vikailmoitus, korjattu
  - Kauppaväylän vikailmoitus
  - Kauppaväylän korjattu vikailm
  - Muun väylän vikailmoitus
  - + Merivaroitus

Vie, Jaa > Tulosta ▼ Minun karttani ▼ Hakutoi

VI-2139975649 TL:12955 [Vasenpoiju]  
Tuhoutunut/kadonnut





 Tie 970 Nuorgam (Norjan rajalle)

 Tie 970 Nuorgam (Utsjoelle)

 Tie 970 Nuorgam (Norjan rajalle)

 Tie 970 Nuorgam (Norjan rajalle)

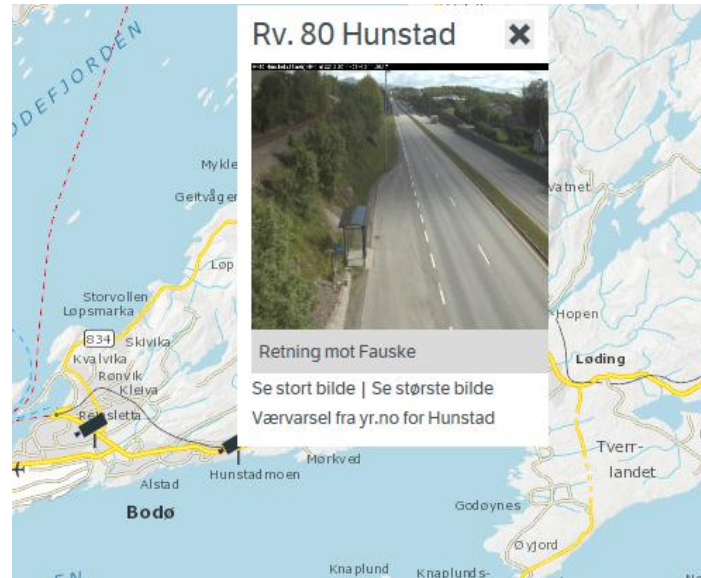
## Tie 970 Nuorgam

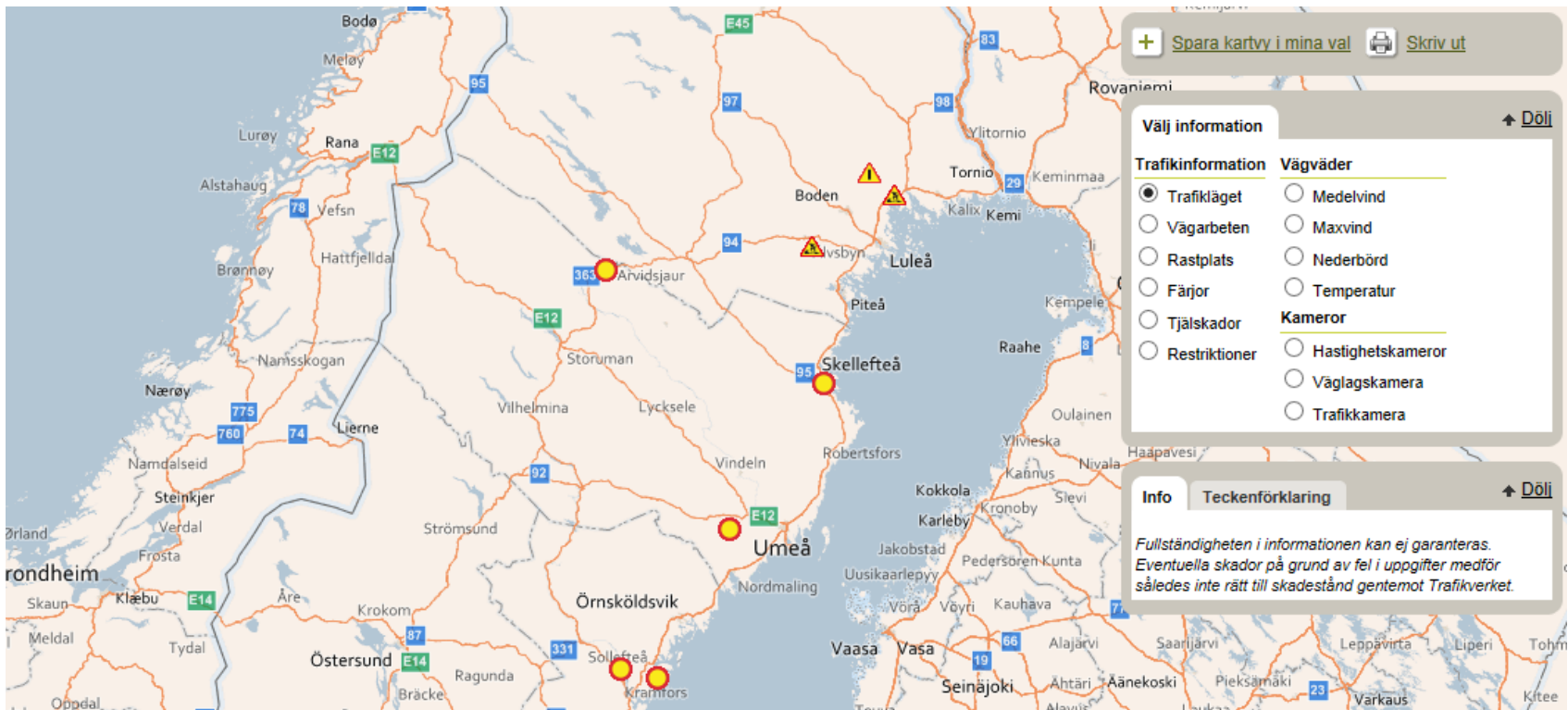
11:34

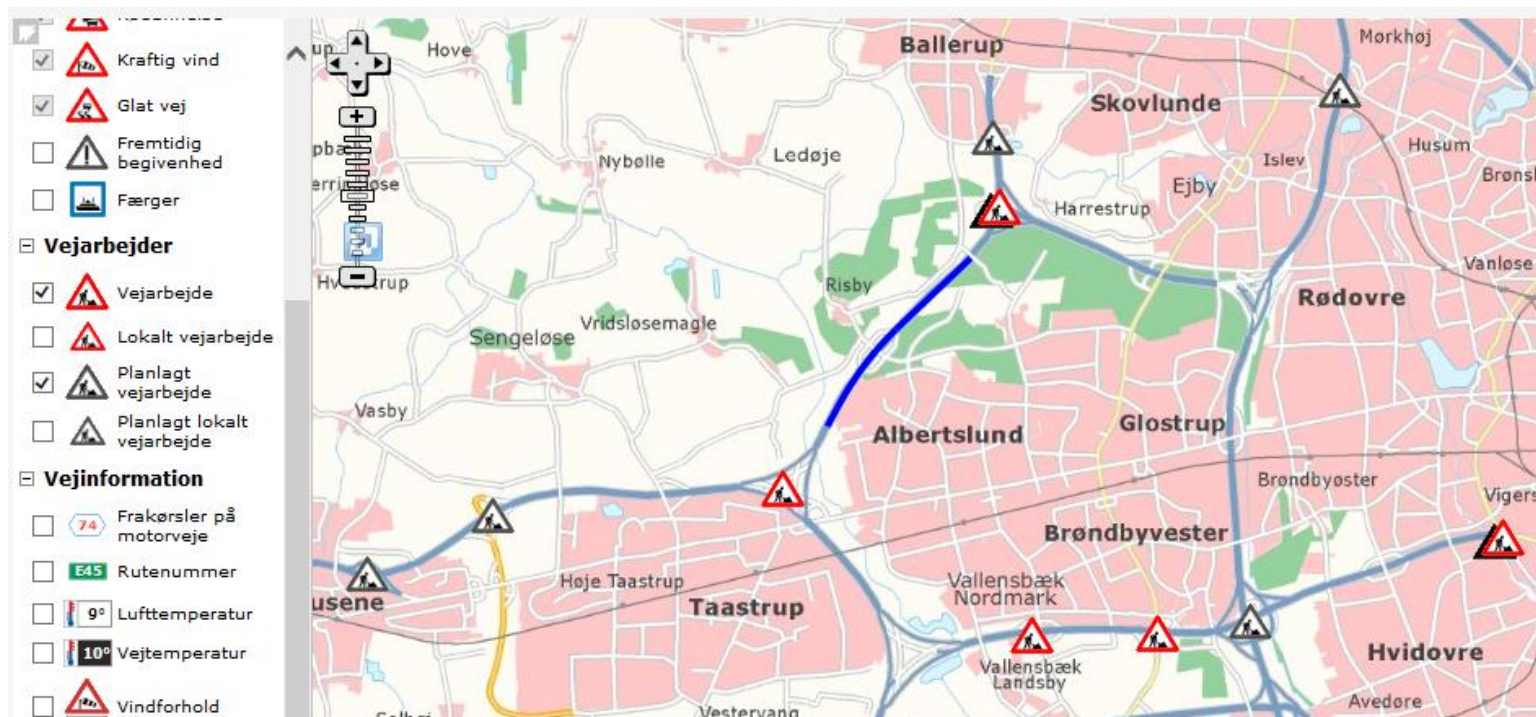
Ilman lämpötila: 6.5 °C

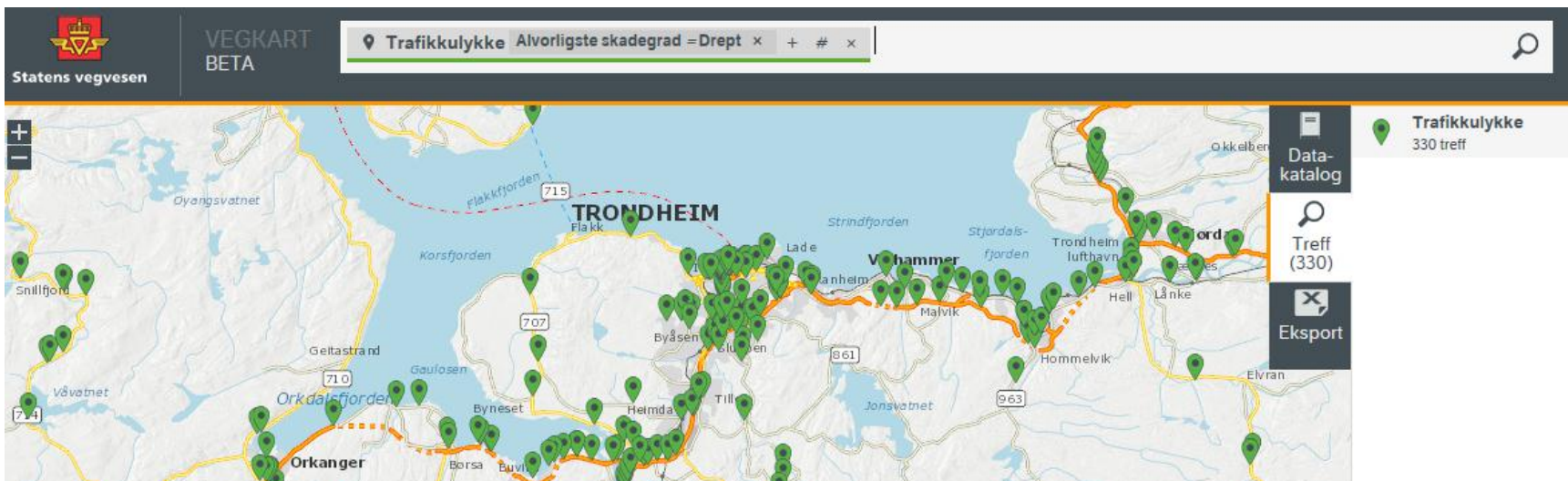
Tien lämpötila: 0 °C











**Before** next meeting in Åbo:

- Find good data sources in the different countries.
- Describe of content and API's
- Find tools and applications that may be useful?
- Define tasks as student projects ?

**During** meeting in Åbo:

Start work on application concept Look at

- data flow
- functionality
- tools