## NordicWay <br> Cellular C-ITS Corridor Lessons learned, issues and solutions identified

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## Learning by doing

- Piloting of C-ITS services in order to learn
- Hazardous location warnings
- Roadworks warning
- Adverse weather warnings
- The Nordics - the same, but different
- Level of outsourcing of activeties
- State of cellular networks

- Road network topography

Together the 4 nations cover most of what you can expect in Europe!

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## Each nation conducted their own evaluations

- A combined summary evaluation report is under production
- All countries had "special focus" some parts in issues assessed


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## Identifying lessons learned

Workshop with the evaluation teams in Helsinki.
Two days late October 2017

- Data-related issues
- Technical issues
- Legal issues
- Commercial and organisational issues
- Benefits

Systematic run through of all 5 points, with focus on barriers and solutions


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## Example from data-relates issues

| Barrier | Solution |
| :---: | :---: |
| Data quality <br> - Reliability <br> - Coverage <br> - Quality - at what cost? | R\&D <br> Sensing fusing, modelling QA process by road operators |
| Standards <br> - Slowness of standards definition <br> - Different interpretations <br> - Need for profiles | Cooperation Participate in standardisation process |
| Data sharing <br> - Data availability <br> - Willingness to share <br> - Business models | Define rules and roles <br> NRAs active role (with know-how) <br> Cooperation (pilots, task forces) <br> Learning by doing |

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## The whole picture

## Summarising case discussion

- Mr. Søren Jensen spends his autumn holidays exploring the Nordic countries by car. He drives from Copenhagen, across $\emptyset$ resund, all along the Swedish coast, over the Finland border and further towards Norway, before heading home.
- If Søren is to receive Day1 C-ITS services throughout his entire holidays, what MUST be in place datawise, technically, legally and commercially?



## Some issues raised in summarizing discussion

- Interface to user: HMI
- Trust in the service
- Continuity across borders
- Precise and reliable GPS position
- Service coverage
- Dynamic routing
-What is the end-product?
-Legal: different rules in different countries


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## Roadmap

The Roadmap builds on experience from the NW project pilot activities and partner expertise.

Barriers and solutions towards deployment have been identified and discussed among the evaluation partners
The roadmap includes a section with comments to the recommendations given by the C-ITS Platform working groups in the Final report. These comments are based on findings and experiences from the NW pilots and of the NW partners.


Will be picked up in NW2

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## Take away from the project

## By using

- Learn by doing
- Cooperation
- Private/ public collaboration
- Demonstrations


But also: TRUST
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