

Nordic WAY 2

The logo for NordicWay 2, consisting of a stylized cross shape formed by four overlapping lines in yellow, blue, red, and yellow.

Feasibility for C-ITS service provision in the Nordic countries

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Assessment of the feasibility

- **Quality of service:** Is the quality of C-ITS services sufficient?
- **User acceptance:** Is general public interested in using these services and paying for them?
- **Ecosystems:** What kind of ecosystems are fit for providing C-ITS services in the Nordic countries?
- **Socio-economic impact:** Can we expect societal benefits from the C-ITS services?



Technical feasibility

RESEARCH QUESTION	CONCLUSION
Can data be shared across organisations?	Yes
Can C-ITS services achieve interoperability between different countries?	Yes
Are latencies low enough for successful implementation of C-ITS services?	Yes
Is the architecture with the federated network of interchange nodes a feasible solution?	Yes



User acceptance

RESEARCH QUESTION	CONCLUSION
Do people know C-ITS services?	No
Are users willing to use C-ITS services?	Yes
Are users willing to pay for C-ITS services?	No
Are users willing to share information with the C-ITS service providers?	Yes



Business model and ecosystem

RESEARCH QUESTION	CONCLUSION
Can we find feasible business models for service provision?	Maybe
Can we find feasible ecosystems for service provision?	Maybe



Socioeconomics

RESEARCH QUESTION	CONCLUSION
Can we expect mobility benefits from the services?	Yes
Can we expect safety benefits from the services?	Yes
Can we expect efficiency benefits from the services?	Yes
Can we expect environmental benefits from the services?	Yes
Do socioeconomic benefits outweigh the costs?	Yes



Conclusions

- If
 - challenges solved
 - enough of users
 - good coverage of services
- > socioeconomically beneficial in 2030



NordicWay 3 - Urban connection

- 1 Coordinator – Swedish Transport Administration
- 5 Beneficiaries:
 - Infrastrukturdepartementet (Swedish Ministry of Infrastructure)
 - Statens vegvesen (The Norwegian Public Roads Administration)
 - Liikenne- ja viestintäministeriö (Finnish Ministry of Transport and Communications)
 - Vejdirektoratet (Danish Road Directorate)
 - Trafikverket (Swedish Transport Administration)
- 35 Implementing bodies under the Swedish Ministry of Infrastructure
- 5 Implementing bodies under the Finnish Ministry of Transport and Communications
- 5 years (2019-2023)
- 19 030 k€, where 50% is funded by EU



NordicWay 3, More of everything...



- More cities
- More users
- More vehicles
- More coordination between countries and pilots

- Build on experience from NordicWay 2 towards deployment in NordicWay 3
- Aim to create a common Nordic market by launching "flagship pilots" for:
 - Geofencing
 - Traffic signals
 - Roadworks warning
 - Emergency Vehicle approaching
- And a number of POC's preparing for CCAM



Thank you for participating!

Evaluation report:

<https://www.nordicway.net/> -> Reports and documentation

