



Nordic WAY 2

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Co-financed by the European Union
Connecting Europe Facility

Nordic
WAY 2 

PUBLIC-PRIVATE COLLABORATION

- NordicWay 2 is a collaboration between public and private partners in Denmark, Finland, Norway, and Sweden
- Co-financed by the European Union within the Connecting Europe Facility programme 2017-2020



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NORDICWAY 2 - VISION

- **Enhanced traffic safety** and fluency as well as reduction of CO₂
- **Interoperable solutions and services suitable for Nordic conditions** (road conditions, cellular coverage, traffic problems/needs etc.)
- Services with potential to cover entire Nordic network and reach high penetration **without large infrastructure investments** (i.e. cellular communication)
- **Scale up C-ITS services** - by supporting cloud to cloud hybrid communication



NORDICWAY 2 WILL:

- **Test the interoperability** of several C-ITS services on the NordicWay 2 network
- **Test the infrastructure readiness** for connected and automated driving
- **Explore** requirements for **automated driving** in snowy and icy conditions
- **Demonstrate and highlight future services** and challenges connected to vehicles with higher SAE levels
- **Contribute to C-Roads**



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OBJECTIVES

Pilot deployment of interoperable Day 1/1.5 C-ITS and support infrastructure readiness for Connected and Automated Driving

Contribute to harmonisation and interoperability of C-ITS in Europe

Support deployment of Day 1 and 1.5 C-ITS services

Support infrastructure readiness for connected and automated driving

Assess impacts of Day 1/1.5 C-ITS services



HYBRID COMMUNICATION

- NordicWay 2 explores C-ITS services over existing mobile networks (3G/4G)
- Potential for early and large coverage at minimum infrastructure costs for road operators
- Mobile networks will be important for Nordic region in sparsely populated areas, nordic climate, topography etc.
- C-ITS services shall work seamlessly over mobile networks and short range ETSI G5.
- NordicWay 2 contributes to C-ROADS taskforce on hybrid communication together with other European projects



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INTEROPERABLE AND SCALABLE

- The Interchange Network provides **interoperability** of C-ITS services on the road network of Denmark, Finland, Norway and Sweden.
- **Scalable** through Europe and beyond.
- Looking for maximum benefit from existing ITS systems making them an integral part of C-ITS.



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FOCUS: SERVICES FOR NORDIC CONDITIONS

- C-ITS Services
- Connected and automated driving
- Weather conditions
 - Snow/Slush/Rain
 - Wind
 - Darkness
- Slippery roads, poor visibility



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SOME NORDIC CHALLENGES



Norway:
15000 HGV incidents per year



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