



NordicWay2



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NordicWay2 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 new Day 1 and 1.5 C-ITS services on CEF and rural roads

Support infrastructure readiness for connected and automated driving

Assess socio-economic impacts of Day 1/1.5 C-ITS including mobility, behaviour, acceptance



Currently 60 public and private NordicWay2 partners





















C-ITS services in Nordic Way

NordicWay2		C-Roads (version 1.4)
Services	Use cases	
Hazardous Location Notifications	Traffic Ahead Warning	Traffic Jam Ahead (HLN-TJA)
	Slow and Stationary Vehicle	Stationary Vehicle (HLN-SV)
	Weather and Road Conditions	Weather Condition Warning (HLN-WCW) Temporarily slippery road (HLN-TSR)
	Emergency Vehicle Approaching	Emergency Vehicle Approaching (HLN-EVAP) Form Emergency Vehicle Corridor (HLN-FEC)
	Emergency Brake Lights	
	Animal or Person on the road	Animal or Person on the Road (HLN-APR)
	Obstacle on the Road	Obstacle on the road (HLN-OR)
	Accident Zone Description	Accident Zone (HLN-AZ)
	Cooperative Collision Warning	



C-ITS services in Nordic Way

	NordicWay2	C-Roads (version 1.4)
Services	Use Cases	
Road Works Warning	Road and Lane Closure	Road Closure (RWW-RC) Lane Closure (RWW-LC)
	Mobile Road Works	Road Works – Mobile (RWW-RM)
In Vehicle Signage (IVS)	In Vehicle Speed Limits	Dynamic Speed Limit Information (IVS – DSLI)
Probe Vehicle Data (PVD)	Single Vehicle data	Awareness Data Collection (PVD-ADC) Event Data Collection (PVD-EDC) (TBD)
Traffic Management	Traffic Information and Smart Routing	
Connected Autonomous Driving (CAD)	Collection of data for mapping of infrastructure readiness	
Connected and Cooperative Navigation in and out of the city	Dynamic Access Control of Designated Infrastructure	
Dynamically Controlled Zones	Dynamic Environmental Zone	



NordicWay2 demonstration sites



- Rural areas
- Urban areas



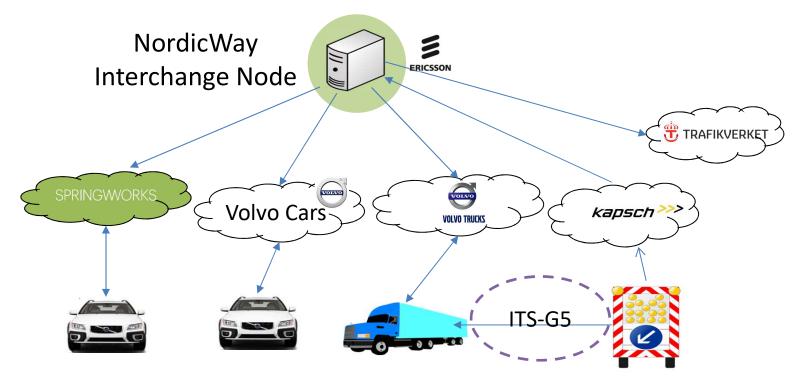
Road Works Warning (RWW)

- Improve road safety, especially for car drivers
- RWW also provides better travel planning opportunities
- Producing a system ready for full scale deployment
- Input to national requirements





Dataflow in RWW





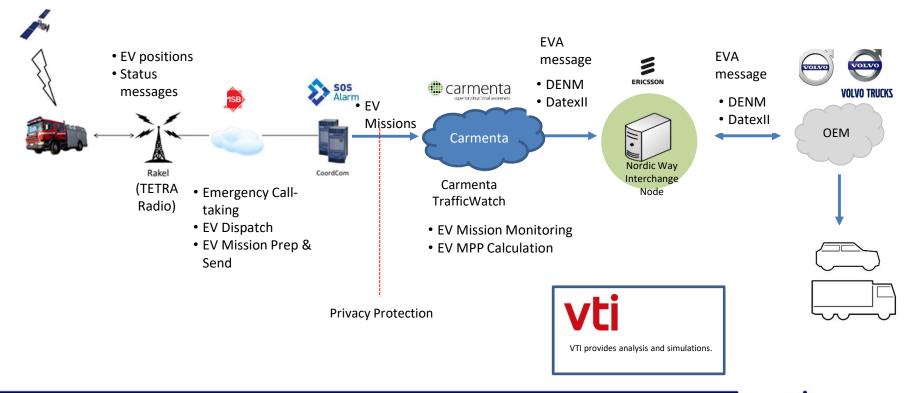
Emergency Vehicles Approaching (EVA)

- Alerting vehicles of approaching Emergency Vehicles, well in advance of seeing or hearing blue light or sirens
- More warning time will lead to faster reaction and shortened travel time for Emergency Vehicles.





Data flow in EVA





NordicWay Interchange network

- Open software solution free to use for any future Interchange supplier
- Access to transport related data
- Scalable for huge amounts of data
- Facilitates simple onbording of new data consumers and producers
- Easy for public and private actors to exchange data without knowing where the information is located.
- Supports interoperability





Some of our real challenges



1,2 million fatalities 66 million accidents



7 million deceased due to pollution



Traffic jams cost 2% of GNP



Area use and infrastructure



C-ITS for Nordic challenges







Thank you



Co-financed by the Connecting Europe Facility of the European Union

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