



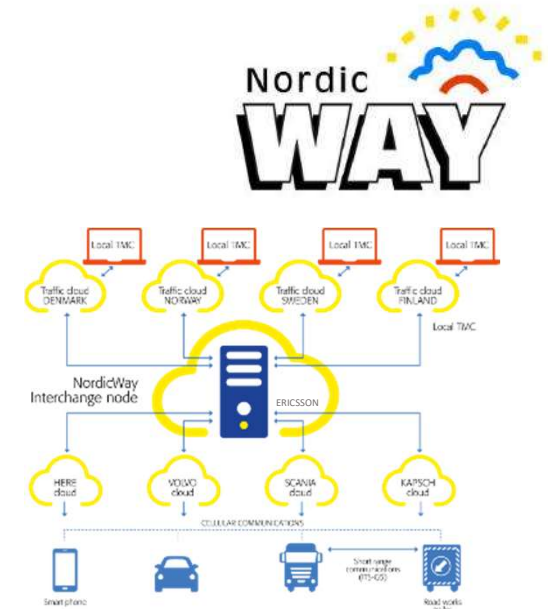
# NordicWay

## Cellular C-ITS Corridor

### Objectives – partners – timeline - scope

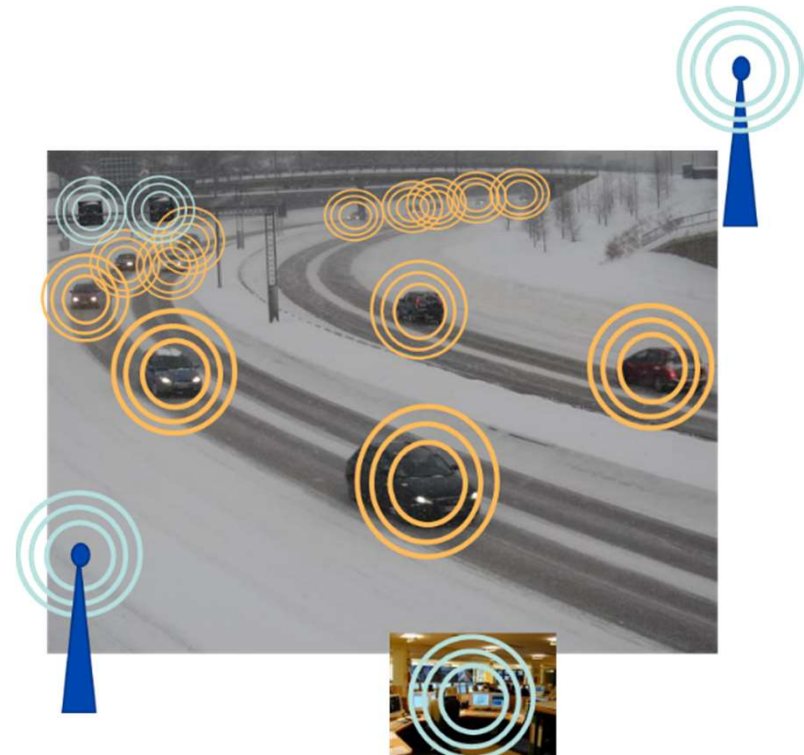
Risto Kulmala  
 Project Coordinator, Finnish Transport Agency

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# Objectives

- Pilot deployment of C-ITS (Cooperative ITS) utilising cellular networks as the basic communication infrastructure
  - technical performance of communication solution, especially latency
  - impacts, benefits, costs
  - user acceptance
- Prepare for large-scale deployment of cellular C-ITS
- Facilitate automated driving and MaaS services



# Partners

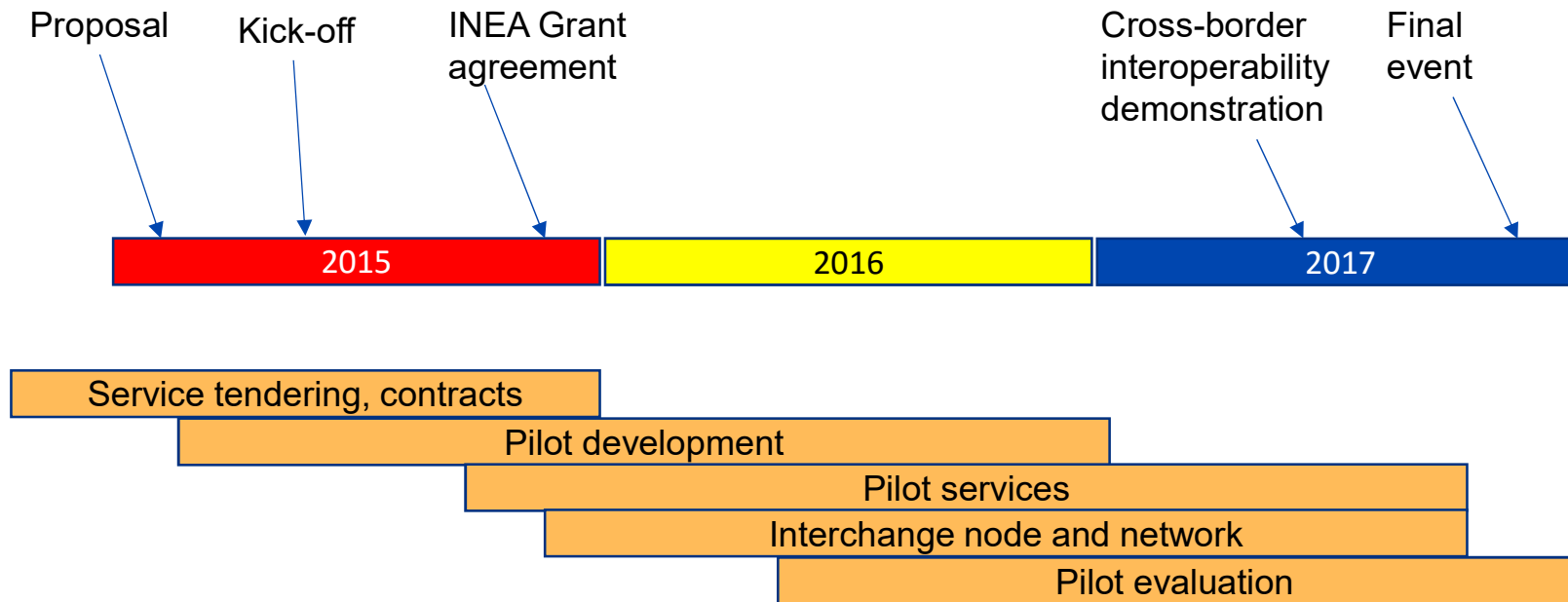


Country	Denmark	Finland	Norway	Sweden
Beneficiary/ Implementing body	Danish Road Directorate	Ministry/ FTA Trafi	Norwegian Public Road Administration	Swedish Transport Administration
Service providers		HERE Infotripla	Volvo Cars	Ericsson Kapsch TrafficCom Scania Volvo Cars
Project Office, Evaluation	Genua	VTT	SINTEF	SWECO



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# Timeline – key events



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# Scope – rationale

- Long road networks and low traffic volumes
- High coverage of cellular 3G/LTE connectivity
- High level of and ambitions for road safety
- ITS Directive Priority action c) safety-related traffic information
- Incidents often main origin of congestion
- Close ITS cooperation DK-FI-NO-SE since 1995



- High-potential for Day1 C-ITS hazard warning services utilising already existing cellular networks throughout Nordic countries

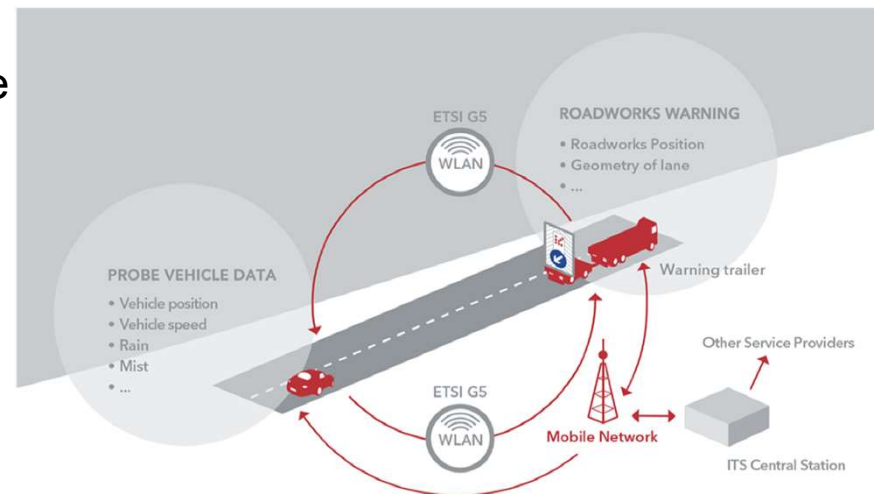


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# Scope – hybrid communications



- Hybrid communications – combination of direct/short-range and medium-/long-range
  - Cellular medium-/long-range the basic solution for "total" road network coverage; short-range implemented in "hot spots"
  - Development of standards, processes, interoperability, security etc. – focus in short-range/ITS-G5
  - Aim: provide the missing cellular medium-/long-range elements with special focus on cross-border interoperability



Cooperative ITS Corridor 2015



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# What will you learn today?

- The interoperability solution
  - Industry views
- Service highlights
  - Hazardous location / roadworks / adverse weather / cross-border events & TMCs
- Evaluation results
  - Technical, Impacts, Socio-economy
  - Business models
- The way forward
  - Lessons learned
  - NordicWay 2
  - 5G



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