

# Federated Interchange Network enables deployment of C-ITS services

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Ted Kruse & Jonas Höglund



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# Interchange Network

The interchange knows where to find that information and creates a data stream that fits those criteria available to the service provider.



1

Service providers can just tell the interchange what data it is interested in (e.g. "I want information about traffic accidents in Helsinki").

2



Interchange SE

The information about the available data is then shared between all the interchanges so that each interchange knows what data is available, and where to find it.



Interchange FI

Each interchange keeps track of all the datasets that are available from the data providers that are connected to it and stores meta data about the data

3

The Service provider shares the data with users through the Interchange.



4

Users subscribe to requested information. The information is instantly available for the users.



## Interchange = Message brokers

National or privately run. The ecosystem works by having several message brokers called interchange nodes, that can gather data from different service providers and data providers.

More about Interchange here:  
<https://www.nordicway.net/interchange>



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# Purpose of NordicWay Interchange



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Solutions for Nordic conditions – we have other difficulties than rest of Europe

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Cellular communication as a standard, not only short-range communication

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Harmonized access for all actors based on C-Roads specifications

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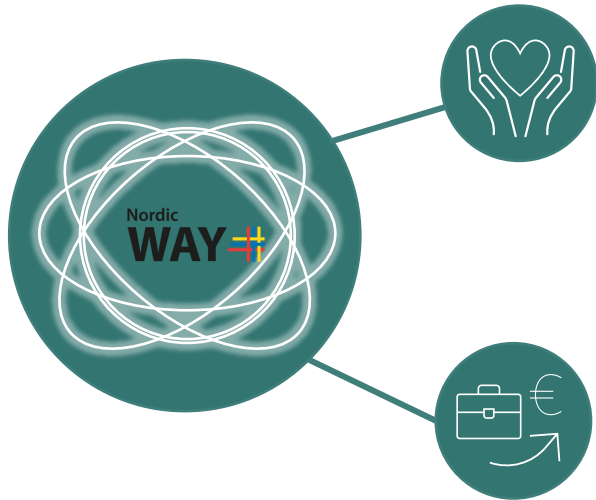
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Harmonization between Nordic countries – and thereafter in Europe

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# Value of the Interchange Network

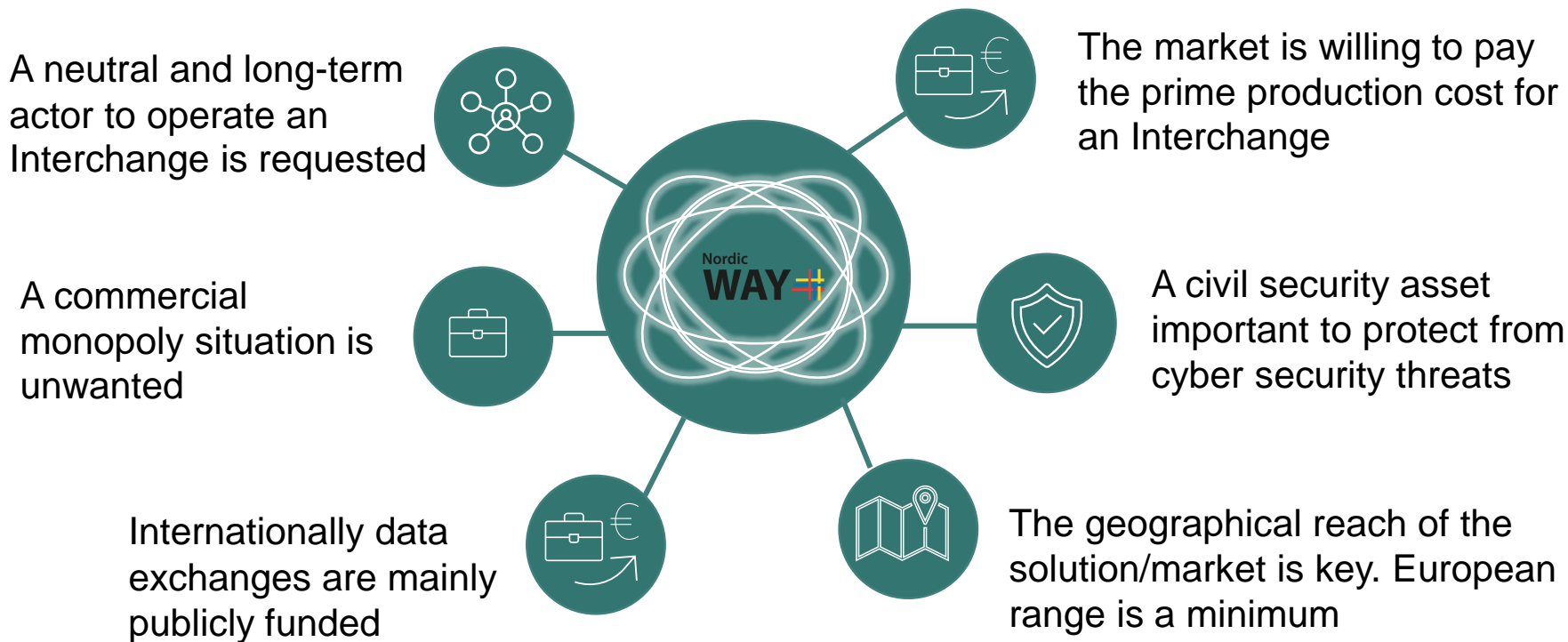


There are major **socioeconomic benefits**.  
Piloted C-ITS services within NordicWay mainly have societal benefits

There is a **commercial value** according to private actors in NordicWay



# Key Aspects for the Interchange Network



# Next Step: European Reach



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# Thank you for listening!

## Contact Us for Questions:

**Ted Kruse**

[ted.kruse@lindholmen.se](mailto:ted.kruse@lindholmen.se)

072-993 09 77

**Jonas Höglund**

[jonas.s.hoglund@afry.com](mailto:jonas.s.hoglund@afry.com)

072-717 82 40

**Linda Larsson**

[linda.larsson@afry.com](mailto:linda.larsson@afry.com)

072-203 37 55

**Therese Rosén Löfstedt**

[therese.lofstedt@lindholmen.se](mailto:therese.lofstedt@lindholmen.se)

073-713 60 68

**Patrik Lundberg**

[patrik.lundberg@afry.com](mailto:patrik.lundberg@afry.com)

076-826 51 80

**Ludwig von Werder**

[ludwig.vonwerder@afry.com](mailto:ludwig.vonwerder@afry.com)

070-015 62 04

**Jonas Edberg**

[jonas.edberg@afry.com](mailto:jonas.edberg@afry.com)

072-715 13 94



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