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In cooperation with



FiN CISE Project Goals and Objectives

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Commission's Member States
Expert Sub-Group on Maritime
Security and Surveillance



More than
the sum of its parts

Background

- Cooperation and data exchange between different authorities is already compulsory in accordance with international and national legislation.
- The technical cooperation in the framework of FIMAC cooperation between maritime authorities has been active over 20 years from 1994. The cooperative parties, which act in the framework of their legal competences are the **Finnish Transport Agency**, the **Finnish Transport Safety Agency Trafi**, the **Finnish Border Guard** and the **Finnish Defence Forces**.
- For the **FiN CISE project**, the FIMAC cooperative parties have initiated cooperation with the **Finnish Environment Institute** to further develop the Finnish systems for maritime surveillance and its interfaces for information exchange.
- FiN CISE project supports the cooperation in the framework of FIMAC to create a maritime situational picture and distribute it to the cooperative parties to support their activities, to promote the well-functioning FIMAC operations model in national and international projects and forums, and to improve maritime safety in the Baltic Sea.



Objective of FiN CISE

- The general technical objective of the action is to further improve the interoperability of Finnish maritime surveillance systems both nationally across sectors and across borders within EU focus being on system-to-system information exchange.



Specific objectives of FiN CISE

- To develop a national enterprise architecture description related to production and sharing of the following information:
 - a) National Maritime Surveillance Picture
 - b) Maritime resource situation picture
 - c) Other Maritime Situation Awareness information

- To carry out studies:
 - a) to develop a data catalogue of existing national information service interfaces and data models
 - b) to compare the existing national interfaces/data models and the CISE interfaces/data models
 - c) to define the required changes in existing national interfaces / data models including the identification of the required new national interfaces.
 - d) to agree on the information services to be tested nationally and towards CISE
 - e) to support national decision making when choosing between the alternatives how to connect to CISE (ref. CISE Hybrid Vision)

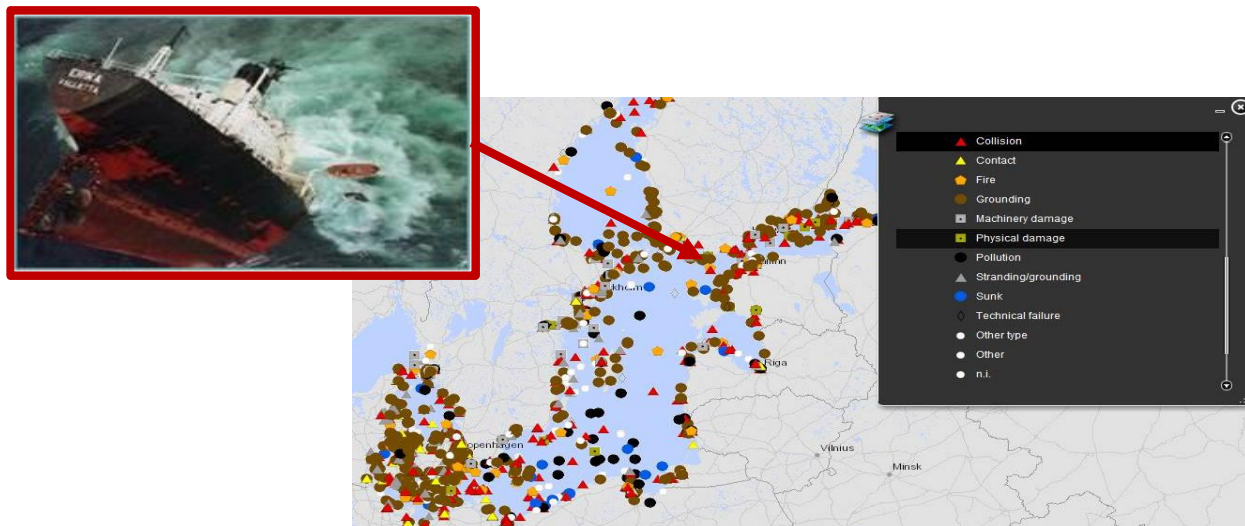
Specific objectives of FiN CISE

- To carry out IT developments to improve cross-sectoral information exchange for maritime surveillance within and between Member States
 - To test the exchange of national maritime information (from technical point of view) with agreed information service interfaces and data models in national level and also towards CISE and to demonstrate the added value of sharing the data system-to-system level.
 - This action includes the re-use of information from other sectors in existing systems and packaging of existing information into information services which can be offered to other sectors and other Member States. Service Oriented Architectures (SOA) will be favoured.



Expected operational benefits

- The expected operative impact is more cost-efficient and cost-effective maritime surveillance and maritime operations.
- The project will improve the data quality, description, system-to-system sharing architecture and, thereby, will enhance interoperability.
- This will lead to added value services and advanced understanding of the maritime situation in various sectors.



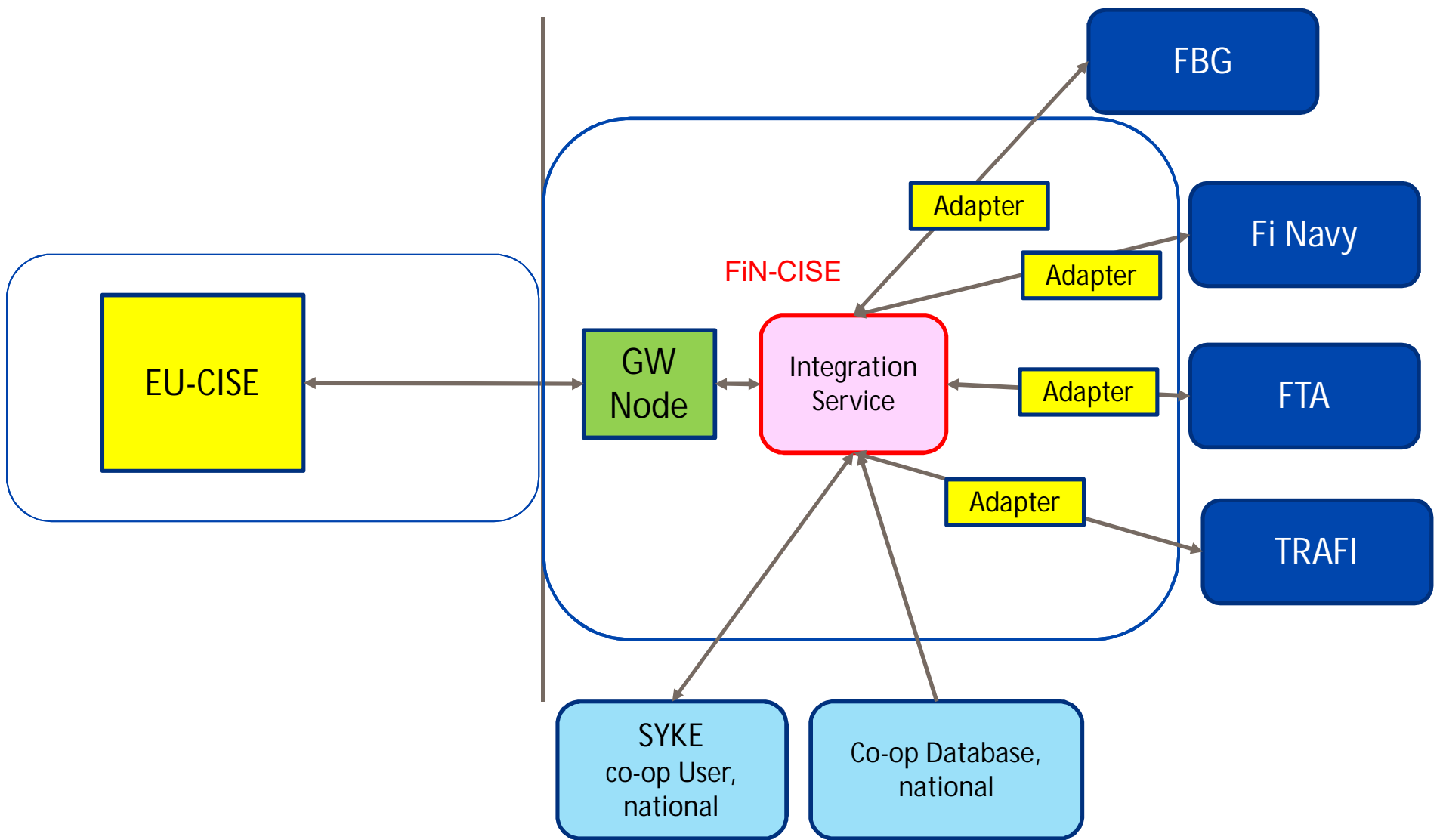
To be implemented technical solutions

- FiN CISE Project will describe an enterprise architecture with processes.
- Requirements for a national solution will be defined.
- A service channel to connect databases will be defined.
- The project will produce description of the concept of interface solution(s) to system-to-system sharing
- At least one concrete pilot-case to connect legacy system to another, first nationally and then to the EUCISE interface
- The FiN CISE Project will study especially possibilities to use open source technology.

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Possible Architecture



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