



# Intellectual Property Rights strategy

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## DOCUMENT STATUS

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### Review

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### Approval

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# 1 IPR strategy for EfficienSea 2

*The legal issues related to the management of intellectual propriety rights in the EfficienSea 2 project is established in the two signed project agreements - the Grant Agreement and the Consortium Agreement. The purpose of the present IPR strategy is to supplement the drawn out path to market from the project application and illuminate the two complementary uses of IPR in the project. The IPR strategy does not influence the settlements in the two agreements.*

The results of the project have different projected paths to market. These paths are supported by different ways of managing the related intellectual property. The project's IPR strategy consists of two main lanes, to create a new global market and to trigger growth and jobs. Each of these have different set of aims:

## 2 Creating a new global market

EfficienSea 2 has the ambition to help shape a new global market or at least a new generation of the current market for exchange of data and information services in the maritime domain. The project works on three fundamental building blocks in order to create the new market:

### **2.1 Creation and adoption of a new global communication framework – the Maritime Cloud**

In order to create and get global adoption of the Maritime Cloud the strategy is to use an open, non-proprietary, collaborative approach. The Maritime Cloud is developed in an open source community together with other European and international projects. The resulting software is open source under the Apache License. In addition to the actual communication framework the project will produce toolsets and building blocks for developers to ease their adoption to the framework.

## 2.2 Supporting and fuelling the development of new information services through standards, prototypes and documentation

A new generation of information services made available through the communication framework is what will benefit the end user. The project focuses on maturing some of the fundamental services like information on navigational warnings and meteorological and ice information. These are services that authorities around the world are obliged to deliver free of charge to the shipping community. The services are matured through the development of associated standards and data protocols in the relevant global standard setting organisations. In addition open source prototypes will be made available for some of the services as will documentation of how the services work.

## 2.3 Upgrading the communications channels and technologies

An enabling factor to encourage adoption of the new information services is to lower the cost of communication.

The project matures the emerging communication link VDES through development, prototypes, tests, data protocols and input to performance standards as well as equipment testing standards.

Roaming between different communication channels will be eased through the development of hybrid solutions for compression, queuing and channel selection based on availability, cost, restrictions in bandwidth and other technical parameters, but also content priority. The results will be made publicly available through reports including specification and data protocols.



## 3 Growth and jobs through first mover advantages and proprietary implementation

The other ambition and aim of EfficienSea 2 is to create growth and jobs for project partners and other companies. The project has two ways of exploiting its results and managing the intellectual property.

### 3.1 First mover advantages

The project partners will have the opportunity to be the first to market and to utilize the new standardised solutions for equipment and services. This is expected to give them a competitive advantage as the market emerges.

### 3.2 Proprietary rights on specific solutions and individual implementation

Several of the partners will during the project implement and test the new solutions in their equipment or as advanced for pay services. These specific solutions and project results will be non-disclosed and it is up to the individual partner or group of partners to protect the intellectual propriety in the best suited way. This could be through confidentiality or protected in one way or the other as agreed in EfficienSea 2's Consortium and Grant Agreements.

