



## University of Rijeka, Faculty of Maritime studies

**PROJECT ACRONYM AND TITLE:** Safe Navigation (SafeNav)

**FUNDING PROGRAMME:** EU HORIZON-CL5-2022-D6-01, (Safe, Resilient Transport and Smart Mobility services for passengers and goods)

**PERSON RESPONSIBLE:** izv. prof. dr. sc. Srđan Žuškin

### FINANCIAL DATA

Project total cost	Overall funding assigned to PFRI
€5.999.953,13	€345.000,00

### SUMMARY

Safe Navigation (SafeNav) project is based on maritime specific innovative system development in function of Decision Support System (DSS) which will be implemented in Integrated Navigation Bridge system onboard vessel's navigational bridge for increasing navigational safety and environmental protection.

Furthermore, designed system will be based on multi-sensory collected data input from existing onboard navigational sensors. Also, additionally multisource data sensors information by using the innovative digital technology will be implemented in the vessel's environment for the Decision Support System – DSS proposed.

Develop algorithm consists of three different integrated model: i) integrated system for quick COLREG-based decision-making support system, ii) integrated system for faster reliable real-time detection of a submerged/semi-submerged objects, iii) integrated system for a real-time detection and avoiding and additionally timely warning marine mammals inside vessel's environment.

The innovative Decision Support System in navigation will enable timely and accurately real time object detection by providing end user (OOW) significant support and suggestion through the establishment of Graphical User Interface (GUI) on navigational bridge.

Start date	End date
01.09.2022.	31.08.2025.

### PARTNERSHIP

Br.	Partner organization	Country	Role
1	O.M. OFFSHORE MONITORING	Cyprus	Lead partner
2	G.M.S. GLOBAL MARITIME SERVICES	UK	Partner
3	INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM (IMEC)	Belgium	Partner
4	DANAOS SHIPPING COMPANY	Cyprus	Partner
5	LADAR	Anguilla	Partner
6	GREENOV-ITES	France	Partner
7	NAVAL GROUP	France	Partner



**University of Rijeka,  
Faculty of Maritime studies**

8	University of GENOVA	Italy	Partner
9	Propel Sayfr AS	Norway	Partner
10	Sveučilište u Rijeci, Pomorski fakultet	Croatia	Partner