



University of Rijeka, Faculty of Maritime studies

PROJECT ACRONYM AND TITLE: Healthy Sailing - Prevention, mitigation, management of infectious diseases on cruise ships and passenger ferries

FUNDING PROGRAMME: Horizon Europe

PERSON RESPONSIBLE: Goran Vukelić

FINANCIAL DATA

Project total cost	Overall funding assigned to PFRI
€3.194.560,79	€107.500,00

SUMMARY

With vast experience, in-depth knowledge and established expertise in infectious disease prevention and control on passenger ships, HEALTHY SAILING consortium presents a comprehensive approach introducing innovative, multi-layered, risk and evidence-based, cost-effective tested measures for infectious diseases prevention, mitigation and management (PMM) differentiated for large ferries, cruise ships and expedition vessels. This approach covers: a) preparedness and response to known infectious diseases frequently occurring on passenger ships, diseases that have never occurred but for which preparedness is essential, diseases of unknown aetiology to ensure preparedness for future emerging pathogens/pandemics; b) the entire passenger/crew journey travelling from home to ship and returning, on-board, during shore-side visits; c) ship-board operations, shore-side company operations, port destinations and communities; d) a global perspective of project outputs towards communities and passenger shipping industry. Epidemiological studies, risk assessment, modelling for disease spread and aerosol/droplet dispersion and setting disease thresholds/alert levels will develop a scientific evidence-base and support production of evidence-informed guidelines on COVID-19 for ships/ports, passengers/crew vaccination, ventilation systems and expedition vessels' medical operation needs. Development/testing of ship-specific syndromic surveillance, AI systems, decision support tools will contribute to early health threat detection on-board, risk-based proportionate responses, and healthy on-board environments. Toolkits for blended learning with hands-on training and technology induced behaviour change will further knowledge, awareness and compliance of all stakeholders. An integrated e-pass based on one-ID concept and toolkit predicting port response capacities will address port operation and community needs. A scientific international panel will promote a harmonized global approach.

Start date	End date
01.09.2022.	31.08.2025.

PARTNERSHIP

Br.	Partner organization	Country	Role
1	UNIVERSITY OF THESSALY (UTH)	EL	Lead partner
2	EU SHIPSAN ASSOCIATION (SHIPSAN)	EL	Partner
3	UNIVERSITETET I SOROST-NORGE (USN)	NO	Partner



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4	UNIVERSITAETSKLINIKUM HAMBURG-EPPENDORF (UKE)	DE	Partner
5	FREDERICK UNIVERSITY FU (FREDU)	CY	Partner
6	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY (VTT)	FI	Partner
7	NATIONAL TECHNICAL UNIVERSITY OF ATHENS (NTUA)	EL	Partner
8	INSTITUTO DE SALUD CARLOS III (ISCIII)	ES	Partner
9	ETHNIKO KAI KAPODISTRIAKO PANEPISTIMIO ATHINON (NKUA)	EL	Partner
10	Academia Navala "Mircea cel Batran" (MBNA)	RO	Partner
11	GOETEBORGS UNIVERSITET (UGOT)	SE	Partner
12	FONDAZIONE BRUNO KESSLER (FBK)	IT	Partner
13	UNIVERSITY OF GREENWICH (UoG)	UK	Partner
14	UNIVERSITY OF SURREY (UoS)	UK	Partner
15	POMORSKI FAKULTET U RIJEI (PFRI)	HR	Partner
16	INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS (ICCS)	EL	Partner
17	SimFWD P.C (SimFWD)	EL	Partner
18	LEIBNIZ-INSTITUT FUR PLASMAFORSCHUNG UND TECHNOLOGIE EV (INP)	DE	Partner
19	CELESTYAL SHIP MANAGEMENT LIMITED (CELESTYAL)	CY	Partner
20	MV WERFTEN WISMAR GMBH (MVW)	DE	Partner
21	Star Cruises Germany GmbH (SCG)	DE	Partner
22	SEAJETS MARITIME COMPANY (SEAJETS)	EL	Partner
23	ISTITUTO SUPERIORE DI SANITA (ISS)	IT	Partner
24	CARNIVAL PLC (CCL)	UK	Partner
25	RCL CRUISES LTD (RCCL)	UK	Partner
26	Viking Hydrogen AS (VIKING)	NO	Partner
27	MSC Cruises SA (MSC)	CH	Partner

WEBSITE: -

ADDITIONAL INFO:

PFRI project team members:

- Goran Vukelić,
- Alen Jugović,
- Vlado Frančić,
- Ana Perić Hadžić,
- Goran Vizentin.