

SmartShip Project Newsletter #4

WHAT'S NEW IN SMARTSHIP: THE PROJECT 4TH TRAINING SESSION

SmartShip 4th Training Session at the 2nd General Assembly of the HS4U project introduced the participants to the project, its objectives, and outcomes.

Fotis Oikonomou from Danaos Shipping Co. Ltd, the SmartShip coordinator, presented the SmartShip architecture, delving into the project's use cases.

Anna Maria Anaxagorou, from ITML, presented the SmartShip Data Analytics Module, exploring the module's design, development, and integration within the project's architecture.

Dr. Hernán Ruiz from CERC presented the significance of the circular economy, showcasing how new technologies enable the implementation of circular economy principles.

HS4U's 2nd General Assembly provided a platform for the 4th SmartShip Training Session. The seamless coordination and fruitful interactions during this General Assembly set a promising tone for future joint events, highlighting the commitment of both sister projects to advancing maritime innovation.

Smartship Partners Publish the article "Trajectory Mining And Routing: A Cross-Sectoral Approach" In The 2024 Special Issue Of The Journal For Marine Science And Engineering."

The approach aims to expand the tools of traditional routing optimization techniques with the utilization of historical route data. The authors use historical vessel tracking data to extract maritime traffic patterns and implement an A* search algorithm for different vessel types.

The results can lead to shorter vessel routes than other routing methodologies, resulting in cost savings for the maritime industry, unlocking actionable insights, and shaping an efficient, interconnected future.

Link to the article at the bottom of this newsletter.

The poster for the SmartShip 4th Training Session features the SmartShip logo at the top left. The main title is "SMARTSHIP 4th TRAINING SESSION" in a grey banner. Below this, it states "In partnership with HS4U project" and "Location: Virtual". A circular logo for "HEALTHY SHIP" is on the right. Three circular portraits of speakers are shown: Fotis Oikonomou, Anna-Maria Anaxagorou, and Dr. Hernan Ruiz Ocampo. Logos for Danaos, ITML, École des Ponts business school, and the Circular Economy Research Center are at the bottom. A small text at the very bottom mentions funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 823916.

PARTNER SPOTLIGHT: HUA

This month's newsletter partner spotlight is on Work Package 5 (WP5) leader Harokopio University Athens (HUA)

The Harokopio University Athens (HUA) is a distinguished academic institution specializing in Information and Communication Technologies (ICT). HUA is committed to advancing research and technologies for optimizing vessel management.

HUA's work revolves around developing and implementing intelligent systems for data analysis and IoT applications within the maritime domain.

The Department of Informatics and Telematics at HUA boasts a robust expertise in IoT software prototypes design and development,

requirements analytics, effective dissemination, communication, and engagement practices.

HUA's expertise in the project focuses on requirement elicitation, use case scenarios, and roadmaps for integrated vessel management, boosting the creation of innovative solutions in the SmartShip framework and nurturing effective collaboration and knowledge exchange between industry and academia within the SmartShip consortium.

Click the [department's website](#) to explore further services.



“This project has received funding from the European Union’s Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 823916”.



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Link to JMSE Article:

[Trajectory Mining and Routing: A Cross-Sectoral Approach](#)