



AutoMated Vessels and Supply Chain Optimisation for Sustainable Short SEa Shipping

MOSES Final Event

AGENDA

Date:	05 12 2023	
Time	09.00-15.00 CET (10.00-16.00 EET)	
Venue:	Onsite	<i>Piraeus Chamber of Commerce & Industry</i> , G. Kasimati 1, Plateia Odissou, Piraeus, Greece, Room "GEORGIOS KASIMATIS", 2 nd floor
	Online	<u>MOSES MS Teams</u>
Organiser:	MOSES consortium	
Version:	Final	



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CONSORTIUM

1	NATIONAL TECHNICAL UNIVERSITY OF ATHENS - NTUA (NTUA)
2	ENGITEC SYSTEMS INTERNATIONAL LIMITED (ESI)
3	CORE INNOVATION AND TECHNOLOGY OE (CORE)
4	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK TNO (TNO)
5	STICHTING MARITIEM RESEARCH INSTITUUT NEDERLAND (MARIN)
6	ELLINIKI ENOSI PLIOKTITON RIMOULKON, NAYAGOSOSTIKON, ANTIRIPANTIKON KAI PLION IPOSTIRIXIS IPERAKTION EGKATASTASEON (SAT)
7	DANAOS SHIPPING COMPANY LIMITED (DANAOS)
8	FUNDACION DE LA COMUNIDAD VALENCIANA PARA LA INVESTIGACION, PROMOCION Y ESTUDIOS COMERCIALES DE VALENCIAPORT (VPF)
9	DNV GL HELLAS SA (DNVGL)
10	ASTILLEROS DE SANTANDER SA (AST)
11	STATHMOS EMPOREVMATOKIVOTION PEIRAIA AE (PCT)
12	DIMOTIKO LIMENIKO TAMEIO MYKONOU (MHM)
13	NAYTILIAKES METAFORIKES KAI EPIKOINONIAKES EPIXEIRISEIS SEABILITY EPE (SEAB)
14	TRELLEBORG RIDDERKERK BV (TRELL)
15	CIRCLE SPA (CIRCLE)
16	MACGREGOR SWEDEN AB (MCGRSWE)
17	PROZERO INTERNATIONAL APS (TUCO)

Day 1 (05/12/2023):

Welcome		
09.45-10.00	Registration	
10.00-10.10	Opening by the Hellenic Shipowners' Association	Pavlos Xiradakis SAT
Introduction to MOSES		
10.10-10.20	MOSES: Paving the way towards the future of Short Sea Shipping	Nikolaos P. Ventikos NTUA/NAVAL
10.20-10.30	A word from the Project Officer	TBC
MOSES Business cases and approach		
10.30-10.45	Market Opportunities for SSS: West and East MED cases	Reza Karimpour CIRCLE
10.45-10.55	The MOSES methodology: From user needs to requirements and specifications	Konstantinos Louzis NTUA/NAVAL
MOSES Innovations and Pilot Demonstrations		
AutoDock System		
10.55-11.10	Automated mooring system: The MOSES prototype	David Tidy TRELL
11.10-11.25	Autonomous tugboat swarm	Andreas Mantelos CORE
11.25-11.40	Shore-based infrastructure: Shore Tugboat Control Station (STCS) and Recharging Station	Ignacio Benítez VPF
Innovative Feeder with Robotic Container-Handling System		
11.40-11.55	Design and autonomous operation of innovative feeder	Hans Cozijn MARIN
11.55-12.10	Automated crane system	Janne Suominen / Jonas Renlund MCGR
12.10-12.25	Intelligent Operator Support System (IOSS)	Mirjam Huis in 't Veld TNO
Coffee break with buffet		
Matchmaking Platform		
12.55-13.10	Matchmaking Platform: Development and sustainability	Giannis Kanellopoulos NTUA/ECE

MOSES Scientific progress		
13.10-13.20	Autonomous tugboat swarm intelligence: A machine learning approach	Athanasia Sakavara CORE
13.20-13.30	Autonomous tugboat safety: First steps towards fail-safe	Marios Koimtzoglou NTUA/NAVAL
13.30-13.40	Intelligent Operator Support Concepts for Shore Control Centres	Jasper van der Waa TNO
13.40-13.50	Control of a full port-to-port mission for a feeder vessel	Bas de Kruif MARIN
Coffee break with buffet		
The Impact of MOSES		
14.20-14.30	Proliferation of MOSES impact	Elena Krikigianni SEAB
14.30-14.50	MOSES Sustainability Framework: Measuring the impact to Short Sea Shipping	Fotis Oikonomou DANAOS
14.50-15.05	How innovative are the MOSES Innovations?	Konstantinos Nikolopoulos CORE
15.05-15.20	A roadmap for exploiting the MOSES key results	Reza Karimpour CIRCLE
15.20-15.35	How can MOSES support the enhancement of European Short Sea Shipping?	Chara Georgopoulou / Penny Douska DNV
Open discussion with MOSES stakeholders		
15.35-15.45	MOSES KPIs and lessons learned	Nikolaos P. Ventikos NTUA/NAVAL
Q&A Session		
15.45-16.00	Open Discussion	All
End of Day		