

Humans at the heart of maritime decarbonization





ΕΛΛΗΝΙΚΗ ΕΝΩΣΗ ΠΡΟΣΤΑΣΙΑΣ ΘΑΛΑΣΣΙΟΥ ΠΕΡΙΒΑΛΛΟΝΤΟΣ HELLENIC MARINE ENVIRONMENT PROTECTION ASSOCIATION

#### VOLUNTARY WE CAN ACTION SAVE SINCE 1982 THE SEAS

#### A UNIQUE MULTI-STAKEHOLDER PARTICIPATORY PLATFORM

- 351 SHIPPING COMPANIES AND ORGANIZATIONS
- 2,347 VESSELS OF ALL TYPES
- 14,346 SEAFARERS
- 450,000 STUDENTS EXHIBITION VISITORS
- 2,860 YOUTH AMBASSADORS
- 162,000 JUNIOR MEMBERS (AGES 5-12)
- 4,990 SCHOOLS NETWORK
- 10,800 TEACHERS VOLUNTEERS
- 800 NATIONAL & INTERNATIONAL STAKEHOLDERS
- 280,000 VOLUNTEERS

- Sustainable development
- Pollution prevention
- Maritime safety & accident prevention
- Human sustainability
- Seafarers' wellbeing

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- Marine environmental protection
- Women in shipping
- Blue Economy for youth
- Ocean literacy and Intro to shipping
- Safety culture in fishing/boating
- Voluntary Incident Reporting Platform

Contraction of the

Maritime decarbonization



**GROW ESG MINDSET | EMPOWER PEOPLE | MAX OUT ESG IMPACT** ESG | SOFT SKILLS | ENVIRONMENTAL LEADERSHIP MASTERCLASS

#### 360° SKILLS DEVELOPMENT UPSKILLING, RESKILLING

Holistic, experience-based, Refresher Training program with worldwide participation

34,000 seafarers and shipping professionals certified by HELMEPA's Maritime Training Center

Full mission Bridge Simulator

#### BEACH CLEAN UPS AND MARINE LITTER MONITORING

4,524 marine cleanups

National Coordinator for International Coastal Cleanup & "Let's Clean up Europe" campaign

#### UN ACCREDITED NGO

UNEP/MAP PARTNER

IMO/ TECHNICAL ADVISOR TO GREEK DELEGATION

EMSA, USCG, AMSA

GETTING TO ZERO COALITION SIGNATORY

COOPERATION

INTERMEPA FOUNDING MEMBER & HEAD OFFICE





## Turkey TURMEPA

**INSPIRED THE MEPA** 

MOVEMENT WORLDWIDE

Greece HELMEPA

Syprus CYMEPA

- 블 Uruguay URUMEPA
- Philippines PHILMEPA
- USA NAMEPA
- 😑 Ukraine UKRMEPA
- Nigeria NIMEPA

Our work for the seas for the planet for humankind is inspired measurable, shared MEET US JOIN US TAKE ACTION WITH HELMEPA

www.helmepa.gr





## HANDS-ON TRAINING

HELMEPA MARITIME TRAINING CENTER Certified by







## REFRESHER TRAINING PROGRAM 2023 RESULTS

## SKILLING RESKILLING UPSKILLING OF SHIPPING & MARITIME PROFESSIONALS



FROM OUR MEMBERS FOR OUR MEMBERS | 360° SKILLS | HOLISTIC | EXPERIENCE-BASED | LEAVING NO ONE BEHIND



## COMPANIES SHARING KNOWLEDGE AND EXPERTISE FOR SAFE & SUSTAINABLE SHIPPING





THANK YOU

with the support of



# metavasea

People-centred transition for Maritime Decarbonization in the East Mediterranean





project coordinator

#### Alassia Aegean Protective Coatings SA AEGEAN ARISTON Participal Calify Galphie with the HELMEPA coordinator support of stakeholders C 0 ٢ EXECUTIVE **BLUE VISBY** 🔅 Celestyal CAPIDAL DAIFA SHIPPING CA. SAL Δ SOLUTION CALIFORNIA COMMINS COSTAMATE ø 3 EMPROS LINES ٢ danans CHEC O Marin S epe ) ERMA FIRST TEUROBULK DIANA SHIPPING NUMBER OF STREET structured by Respond ΔΗΜΟΣ ΣΚΙΑΘΟΥ SERVICES # C 0 L MINERVA MARINE Inc. **Ó JOTUN** · man **KYLA** MINERVA DRY Inc. IBIA D. KORONAKIS S.A. Ministry of Maritime Affairs and Insular Policy Nereus Shipping S.A. V V 1 SERA SEKAVIN STAR BULK E DE SADET OF SURVE BUT SHIPPING REPUBLIC OF CYPPUS DEPUTY WINKTERY OF TOUP SMI INFINIT OF COMPS T WISTA 000 3 **UKP** WIMA StormGeo REASNA 281 THENAMARIS **SQ**Learn The Moninel alards Replez

# PROACTIVE COLLECTIVE INITIATIVE

People-centred transition for Maritime Decarbonization in the East Mediterranean



East Med climate change hotspot warming 20% faster – already reached 1.5°C threshold 500 million inhabitants faced with climate risks (highly interconnected - IPCC, 2021) Additional training for 800,000 seafarers may be required by mid-2030s Reskilling/upskilling needs are imminent while STCW revision at IMO may be a lengthy process



People-centred transition for Maritime Decarbonization in the East Mediterranean



Provide a region-specific overview of the state-of-play on maritime decarbonization Identify necessary skills and competences to support the green/digital transition Develop flexible training / upskilling / reskilling toolkits for seafarers, port workers and administrators



People-centred transition for Maritime Decarbonization in the East Mediterranean



Study Methodological Approach

Stakeholder's Repository

Finalization and Dissemination of Questionnaires

Over 850 responses (over 35% of the overall target).

More than 20,000 individuals have been exposed to the surveys

Results so far

Processing of findings and report

Comparative analysis between EU & other regions – best practices & recommendations

Private & social cost-benefit analysis for ports, ships, & marine communities

Gap analysis on MD infrastructure

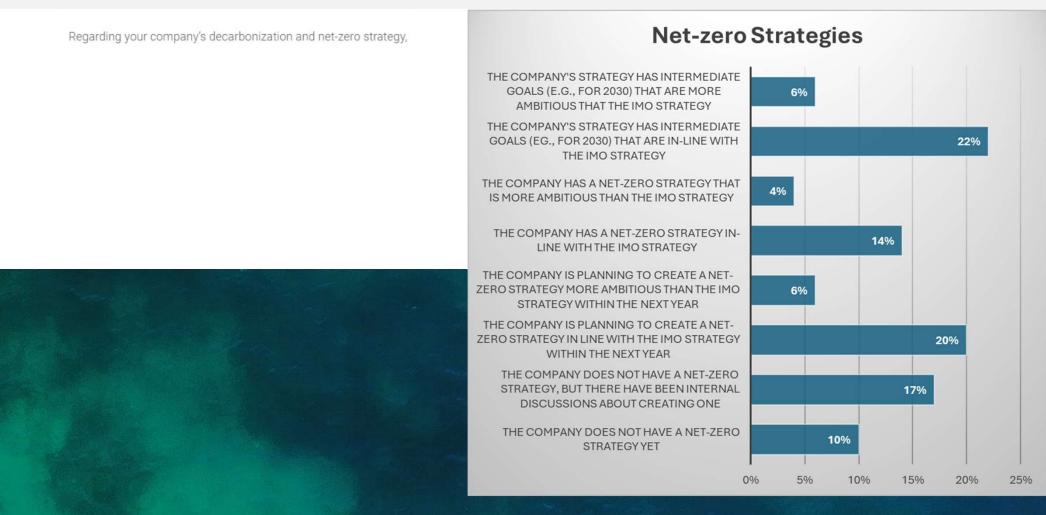
Use of Rightship Maritime Emissions Portal for pilot application (1 port / 1 year)

Q3 & Q4 2024

# RESEARCH STUDY ON MARITIME DECARB IN EAST MED

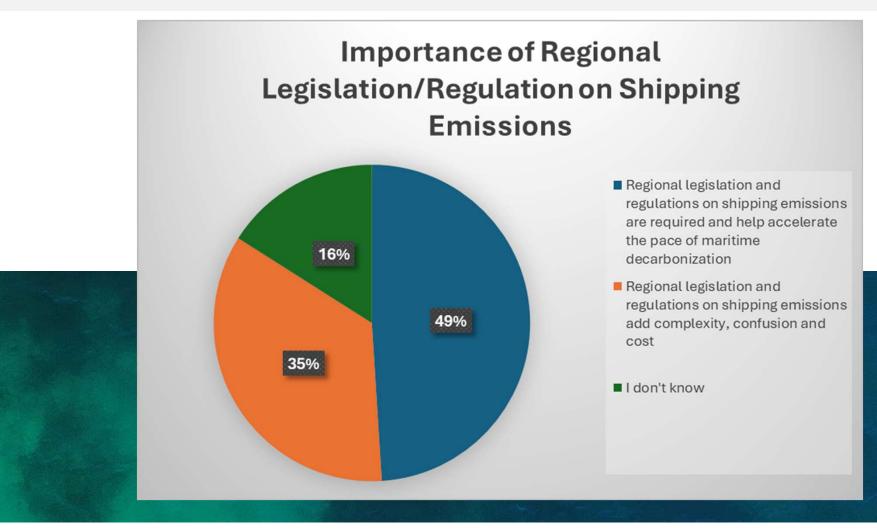
People-centred transition for Maritime Decarbonization in the East Mediterranean





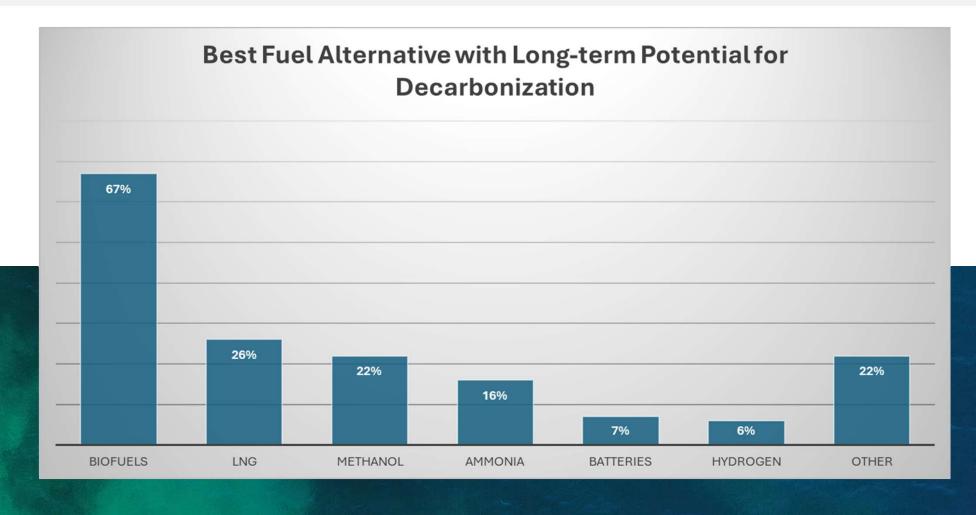
People-centred transition for Maritime Decarbonization in the East Mediterranean











People-centred transition for Maritime Decarbonization in the East Mediterranean



## Soft Skills that are considered important and are needed for the future



# MAPPING OF NECESSARY SKILLS & COMPETENCES

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## Soft Skills that the shipping community lacks



# MAPPING OF NECESSARY SKILLS & COMPETENCES

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# 7 COURSES FOR TRAINING/RESKILLING/UPSKILLING

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- ✓ Impact of Climate Change on Oceans Hellenic Centre for Marine Research (HCMR)
- ✓ The Port Framework for Maritime Decarbonization Marine Engineering Laboratory of National Technical University of Athens
- ✓ Safety Aspects of Alternative Fuels and Decarbonization Technologies Lloyd's Register
- ✓ Soft Skills in the context of Maritime Decarbonization (focus on Adaptability & Critical Thinking) Lloyd's Register
- ✓ Cold Ironing in Ports Premium Consulting

## 1<sup>st</sup> WORKSHOP IN PIRAEUS PORT AUTHORITY HELMEPA in collaboration with Premium Consulting

## People-centred transition for Maritime Decarbonization in the East Mediterranean



## HELMEPA d ACADEMY

CATHINA MINERVA DRY Inc.

Environmental Leadership Masterclass

30-31 May 2024 10.00 - 14.30 EEST

#### MASTERCLASS

Addressed to deck and engine officers, port workers and administrators and office personnel of HELMEPA Member companies

Learning level: Beginners to Intermediate



This masterclass is part of project METAVASEA (2023-2028), which is coordinated by HELMEPA along with 6 partners and 12 associate partners in Greece and Cyprus, with the kind support of Lloyd's Register Foundation (LRF): For more information, please visit <u>www.homece.or/metavasea</u>

(\*) Loyd's Register Foundation is an independent global charity that supports research, innovator, and education to make the world a safer place. Its mission is to use the best evidence and insight to help the global community focus on tackling the world's most pressing safery and risk hallenges. For more information, place weit awwrithruntation on use

## Day 1

- 10.00 10.10 Welcome Intro to METAVASEA HELMEPA
- 10.10 12.00 Environmental Focus Areas & Passage Planning — Athina Maritime Learning & Development Center
- 12.00 12.30 Coffee break 12.30 - 13.30 Impacts of Shipping (Environmental & Social) — Athina Maritime Learning & Development Center
- 13.30 14.30 Environmental Regulatory Framework Athina Maritime Learning & Development Center

#### Day 2

10.00 - 12.00 Necessary Soft Skills of an Environmental Leader Knowl Life-long learning

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- 12.00 12.30 Coffee break
- 12.30 14.30 Voyage Simulation Athina Maritime Learning & Development Center



## 1<sup>st</sup> ENVIRONMENTAL LEADERSHIP MASTERCLASS





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## WEBINAR

Addressed to crew officers (deck & engine) and office personnel of HELMEPA Member companies

Supported by

### 2024

## REFRESHER TRAINING PROGRAM

#### From our members for our members

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HELMEPA

MARITIME TRAINING CENTER for Pollution Prevention Safety at Sea and Environmental Awareness

## Day 1

- 10.00 10.50 Complying with new CII/EEXI regulations and the way ahead to eliminate shipping's GHG emissions (mid & long-term measures) DNV
  10.50 - 11.00 Break
  11.00 - 11.50 The EU Emissions Trading System in shipping: Comparing the rhetoric to the reality EMICERT
  11.50 - 12.00 Break
  12.00 - 12.50 Recent EU Environmental Legislation and its Impact on Shipping GARD P&I
- 12.50 13.00 Q&As / Wrap-up / Closure

#### Day 2

10.00 - 10.50	Ship design, technologies, and operational practices to optimize energy efficiency University of Piraeus
10.50 - 11.00	Break
11.00 - 11.50	Alternative fuels: a comparative analysis of potential pathways to carbon neutrality ABS
11.50 - 12.00	Break
12.00 - 12.50	Alternative fuels: a comparative analysis of potential pathways to carbon neutrality (cont.)
12.50 - 13.00	Q&As / Wrap-up / Closure

People-centred transition for Maritime Decarbonization in the East Mediterranean



METAVASEA has been featured in over 160 articles, posts, and events, reaching more than 400,000 individuals

Climate Education Action Plan & "Trainthe-Trainer" Seminars for Teachers in GR and CY (2025-2027)

<u>TV Spot</u>

on Climate Emergency & Promo Video on Marine Decarbonization in East Med (2024) Open access publication on people centered decarbonization (WMU) (2026)

Women in Marine Decarbonization Events in GR and CY (WISTA Hellas) (2024-2027)

PROJECT DISSEMINATION, COMMUNICATION & OUTREACH ACTIVITIES

People-centred transition for Maritime Decarbonization in the East Mediterranean



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International Marine Decarbonization workshop at IMO & Summer Camp in Chios Island (2025-2026)

Development of METAVASEA App (2025) & Wide Social Media Campaign Maritime Heritage Study on "Lessons Learned" from Previous Transitions of Greek Shipping (2026)

Closing Conference on Maritime Decarbonization in the East Med (2027)

PROJECT DISSEMINATION, COMMUNICATION & OUTREACH ACTIVITIES

## OUTREACH | IMO/WMU, COP28-GSC, USCG, Posidonia



IMO Secretary General Arsenio Dominguez visit at HELMEPA February 2024











POSIDONIA 2024 9 VISIT OUR HELMEPA STAND



STAND 2.212

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Training/	Enhancing			Identification of
upskilling/	understanding	Cultivating		region-specific
reskilling of 1,500	of alternative fuel	soft skills	Improving	opportunities/
seafarers	types challenges	of seafarers	engagement	gaps/obstacles
professionals port	and hazards	and port	of ports in MD	regarding MD
workers		workers	initiatives	in East Med

# TRAINING OF 1.500 SEAFARERS – PORT WORKERS - EXECUTIVES

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Gathering insights on
shipping &
stakeholder
readiness for
alternative fuels

Reducing risk in decisionmaking for central/regional/local government, shipping companies, ports Increasing efficiency of on-board and port operations to reduce accidents

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Enhancing climate
awareness among 10,000
schoolchildren
750 teachers and
2 million residents
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# RAISE AWARENESS OF 10.000 CHILDREN, 750 TEACHERS, AND 2.000.000 RESIDENTS



Take part in the METAVASEA Survey and help us learn more about your maritime decarbonization needs

Visit <u>www.helmepa.gr/metavasea</u> or scan this QR Code



# **our mission** TO SAVE THE SEAS