

FORM NO. H2020-3

## HORIZON 2020 PROFILE FORM

I offer my expertise to participate as a Partner in a Project Proposal

### Contact Details

|                              |                                                                                                                              |     |          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Contact person               | Zacharias Siokouros                                                                                                          |     |          |
| Title                        | <input type="checkbox"/> Ms <input checked="" type="checkbox"/> Mr <input type="checkbox"/> Dr <input type="checkbox"/> Prof |     |          |
| Position in the Organisation | President                                                                                                                    |     |          |
| Organisation                 | Maritime Institute of Eastern Mediterranean - Mar.In.E.M                                                                     |     |          |
| Type of Organisation         | Non-profit organisation                                                                                                      |     |          |
| Address                      | 150A Franklin Roosevelt and Omonoias Avenue, 3rd Floor                                                                       |     |          |
| Postcode/City                | CY-3045                                                                                                                      |     |          |
| Country                      | Cyprus                                                                                                                       |     |          |
| Tel.                         | 357 25025531                                                                                                                 | Fax | 25025515 |
| Email                        | <a href="mailto:admin@marinem.org">admin@marinem.org</a>                                                                     |     |          |
| Web address                  | <a href="http://www.marinem.org">www.marinem.org</a>                                                                         |     |          |

### Short Profile of the Organisation and the Personnel to be Involved (max 500 words)

Mar.In.E.M. is a novel, non-profit Organisation, established in 2010 with the aim to promote Research as well as Technology, Innovation, Education and Training within the context of a Sustainable Blue Growth.

At the same time, Mar.In.E.M. acts as a Forum but also as an Incubator of Business Opportunities on Marine and Maritime issues, encouraging and facilitating Dialogue, Networking and Cooperation within the Eastern Mediterranean region, a particularly significant region for the global economy.

Outmost vision of Mar.In.E.M. is the establishment of an active research driven "Maritime Cluster of the Eastern Mediterranean", that will strengthen and enhance cooperation of the Region's countries, in line with the EU's Blue Paper for an Integrated Maritime Policy as well as the 'Limassol Declaration'.

The Institute is involved in various sectors of Maritime Affairs including:

- **Marine and Maritime Technology and Innovation** – participating in the EU FP7 Funded Research Project "Lynceus" which is currently ongoing and refers to the development of an innovative technology onboard passenger ships, which will enable the timely and efficient location of passengers during emergency situations. The Institute also participated in a joint project for the development of a low cost, energy autonomous, smart data buoy for water quality and environmental monitoring.
- **Maritime Clusters** – participating in the "Maritime Clusters supporting Research & Innovation to enhance Blue Economy Entrepreneurship" Project, with acronym "CoRINThos". The project will mapping the current situation on a national and transnational level and define the success factors characterizing maritime clusters through benchmarking of EU and international relevant best practices. "CoRINThos" will tackle R&D gaps as driving factors of maritime clusters. These R&D gaps will be identified and contextualized through a methodology designed to define an eco-systemic sector & geographical synergies among maritime established and emerging sectors at MED level: the hypothesis of a Blue economy scenario.
- **Maritime Labour** – investigating the labour constraints currently faced in the maritime sector and ways to attract young people into maritime professions widely known as the "Blue Careers". Mar.In.E.M. has established an annual event called "Blue Career". The aim of the event is to inform the society and especially young people, about the employment opportunities in the Marine and Maritime Industry.
- **Maritime Education and Training** – supporting the development of Schools and Academies in Maritime Studies (focusing to Maritime Technology & Transportation), in cooperation with governmental and private educational institutes, but also managing the "Odysseus Maritime Training Centre" based in Limassol.
- **Maritime Tourism** – with the submission of proposals for the promotion of cruising in the Eastern Mediterranean area, through the cooperation of all the regional countries – "The Cruise East Med Forum".
- **Maritime Transport** – with efforts to promote the Maritime Connection of East Med countries. In this context, the Institute manages the "Cyprus Short Sea Promotion Centre" (CSPC), whose objectives are between others the promotion, collection and dissemination of information, education and research in issues related to Short Sea Shipping. The CSPC participated in the "ESN, The Way Forward" project

which was financed by the framework of the Marco Polo Programme of the EC. Mar.In.E.M. is participating also in the ongoing project, "Mediterranean Network for Customs Procedures and Simplification of Clearance in Ports" (MEDNET) Project, which is financed by the framework of the Med Programme of the EC. The main aim of the project is the simplification and harmonization of port and customs procedures within the Mediterranean region ([www.mednetproject.eu](http://www.mednetproject.eu)).

- **Maritime Security and Surveillance** – with interventions in "Search and Rescue" issues, but also with the development of maritime search and rescue technologies.
- **Marine Environment and Sustainability** – participating, in cooperation with Academic Institutions, in air emissions reduction programs for ships, sea water environmental monitoring, etc.
- **Marine Protected Areas/ Artificial Reefs** – promoting the establishment of MPAs and the development of Artificial Reefs as a mean to enhance the fish stocks in an area seriously affected by the human activities through the centuries.
- **Maritime Heritage** – with involvement in projects such as the excavation of the Ancient Wreck at Mazotos coast, the maintenance of the traditional boat "Lambousa" for Limassol Municipality and the promotion of the establishment of a "Maritime Heritage Research Centre of the East Med" as well as a relevant Museum.

### **President**

Zacharias Siokouros is a Naval Architect and Marine Engineer graduate of the National Technical University of Athens. Currently, he is Manager of a major Classification Society's Limassol Office. He has a working experience of more than 20 years in the Shipping Industry, having worked as Safety Manager and Technical Director for a major Cruise Operator.

In 2010, he was among the founding members of the "Maritime Institute of Eastern Mediterranean". As the President of the Institute, he is active in the formulation of national Policies in the areas of Blue Growth and especially for Maritime Education, Technology and Innovation. He has also initiated the Innovative Project Lynceus. Among his other initiatives were the proposal for the establishment of a "Maritime Cluster of the Eastern Mediterranean", the "Cruise East Med Forum" and the establishment of a Knowledge and Innovation Centre as a Public-Private Partnership. Due to his extensive involvement in the establishment of a 'Maritime Cluster of the Eastern Mediterranean', he was invited to participate at the International Workshop 'Support activities for the development of maritime clusters in the Mediterranean and Black Sea areas' and give speech at both the 'European Maritime Day 2013, Parallel Session "Mediterranean Sea Region - laying the conditions for sustainable growth and jobs" and the 12th FEMIP Conference "Mediterranean blue economy: enhancing marine and maritime cooperation", roundtable 1: "Starting-up maritime clusters and promoting networking across training institutes".

### **Members of the Board of Directors**

Chrysanthos Chrysanthou studied Marine Technology (M.Phil) and Marine Engineering (BEng) with honours at University of Newcastle Upon Tyne. He started his career working at sea as an engine officer and has a working experience of more than 15 years in the Shipping Industry, having worked as a Technical Superintendent, Fleet Manager and currently Technical Director for a major Cruise Operator. He is among the founding members of the "Maritime Institute of Eastern Mediterranean" and participates as a volunteer in various projects of Mar.In.E.M..

Chrysanthou is a member of the Technical committee of DNVGL a member of Technical and Environmental Committee of Hellenic Lloyds, a member of Technical Chamber in Cyprus etc.

He has attended a number of Conferences in recent years delivering presentations on energy efficiency and fuel management initiatives and actions taken by his organization to mitigate the effects of increasing fuel prices, monitor quality of fuel and improve the environmental foot print of the company.

He was recently involved in R&D projects including the installation of SCR systems, preparation of feasibility studies on the installation of water production plants, HVAC System upgrades, Sewage Treatment and Food waste systems, practical measures/techniques to reduce CO<sub>2</sub>, NO<sub>X</sub> and SO<sub>X</sub> emissions and other projects that involved practical application of abatement technologies (including onboard installation).

Throughout his working experience he has developed extended networks internationally in the maritime industry (engine makers, key suppliers, media, universities etc) and regulatory authorities (classification societies, flag administration etc).

Christodoulos Melas studied Marine Engineering (B.Eng. Honours, M.Sc. degrees) at University of Newcastle Upon Tyne. He has a working experience of more than 20 years in the Shipping Industry, having worked as Senior Manager of Fleet Safety & Quality Department, Designated Person Ashore (DPA), Company Security Officer (CSO), Quality Manager and Training Instructor, Safety Superintendent, Technical Assistant, Operator Security Officer as well as Ship Surveyor. He was also

among the founding members of the 'Maritime Institute of Eastern Mediterranean' and he is participating as a volunteer on various projects of Mar.In.E.M..

#### **Senior Researcher**

- Ionas Koulendros studied Marine Engineering at Higher Technical Institute (H.T.I). He has extensive experience on board as 3rd, 2nd and Chief Engineer as well as ashore as Technical Superintendent. In 2010, he was among the founding members of the 'Maritime Institute of Eastern Mediterranean' and he is participating as a volunteer on various projects of Mar.In.E.M such as "Lambousa" and Mazotos Wreck. In his position as Senior Researcher, he is also participating in the "LYNCEUS" Project. Ionas Koulendros was appointed as a member of the Sub-Group on Research and Innovation by the European Sustainable Shipping Forum (ESSF) established by the DG Mobility and Transport of the European Commission.

#### **Researchers**

- Anastasia Antoniou studied Commerce, Finance and Shipping with specialization in Shipping (BSc) at Cyprus University of Technology. Currently, she is studying for the Professional Qualifying Examinations of the Institute of Chartered Shipbrokers. In her position as a Researcher, she is participating in both the MEDNET and CoRINThos Projects. She is currently in charge of the Cyprus Shortsea Promotion Centre as Administration Officer and during her employment at the CSPC, she was participated in the "ESN, The Way Forward" project.
- Panayiota Gregoriou studied Marine Sciences (BSc) at University of the Aegean. She will start her Master (MSc) in Environmental Biosciences and Technology at Cyprus University of Technology in September 2014. In her position as a Researcher, she is participating in both the MEDNET and CoRINThos Projects.

#### **Trainee Researcher**

- Andreas Mettis studied Marine Resource Management (MSc) at Heriot-Watt University and Biology (BSc) at National and Kapodistrian University of Athens. In his position as Trainee Researcher, he is participating in CoRINThos Project.

### **Information on Expertise and Potential Contribution**

#### **Expertise offered:**

- Marine and Maritime Technology and Innovation
- Maritime Clusters
- Marine and Maritime Tourism
- Maritime Transport
- Secure, Clean and Efficient energy
- Smart, Green and Integrated transport
- Maritime Security and Surveillance
- Marine Resources
- Marine Heritage

#### **Potential Contribution to the Project Proposal :**

- |                                                      |                                                                |                                                                   |
|------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Research         | <input checked="" type="checkbox"/> Innovation                 | <input checked="" type="checkbox"/> Prototype / Model development |
| <input type="checkbox"/> IPR Know-How                | <input checked="" type="checkbox"/> Dissemination and Outreach | <input type="checkbox"/> Capacity Building                        |
| <input type="checkbox"/> Hosting/Sending Secondments |                                                                |                                                                   |
| <input checked="" type="checkbox"/> Networking       |                                                                |                                                                   |
| <input type="checkbox"/> Other                       |                                                                |                                                                   |

#### **Call Identifier**

1. NEW FORMS OF INNOVATION : H2020-INSO-2015  
Topic: Innovative schemes for open innovation and science 2.0, INSO-4-2015  
Topic: Social innovation Community, INSO-5-2015
2. BLUE GROWTH: UNLOCKING THE POTENTIAL OF SEAS AND OCEANS : H2020-BG-2015-2  
Topic: Forecasting and anticipating effects of climate change on fisheries and aquaculture , BG-02-2015:  
Topic: Response capacities to oil spills and marine pollutions, BG-07-2015
3. Blue Growth: Unlocking the potential of Seas and Oceans: H2020-BG-2015-1  
Topic: Coordination action in support of the implementation of the Joint Programming Initiative on 'Healthy and Productive Seas and Oceans', BG-16-2015
4. Cluster facilitated projects for new industrial chains: H2020-INNOSUP-2015-1  
Topic: Cluster facilitated projects for new value chains, INNOSUP-1-2015

5. MOBILITY for GROWTH 2014-2015: H2020-MG-2015\_TwoStages  
Topic: System modelling and life-cycle cost optimisation for waterborne assets, MG-4.3-2015

- Topic (if identified)  
 Without call for proposals associated

Previous experience as a Coordinator in RTD projects  yes  no  
or Partner in RTD projects  yes  no

If yes, in which projects?

Lynceus is a three year European funded FP7 project, which will be completed in spring 2015. The main objective of the project is to investigate and demonstrate ultra-low power wireless body-area-network technologies for enabling unobtrusive localization and tracking of people for onboard and overboard search and rescue as well as for safe evacuation of ships during emergency. Lynceus was initiated by Mar.In.E.M. and it was converted into a comprehensive proposal with the involvement of organisations from Cyprus, German, Greece, Italy, Spain, Switzerland and UK.

For more information about Lynceus Project, please visit the following websites:

- Website of the Lynceus Project [www.lynceus-project.eu](http://www.lynceus-project.eu)
- Futuris documentary: <http://www.euronews.com/2014/05/05/don-t-panic/>
- Short film on Lynceus specific technology: <http://www.euronews.com/2014/05/05/how-to-find-someone-lost-at-sea/>.

### Target Partner Sought

#### Organisation details :

|                                                                                  |                                                                 |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <input checked="" type="checkbox"/> Higher Education / University                | <input checked="" type="checkbox"/> Industry / SME              |
| <input checked="" type="checkbox"/> Research Institution                         | <input checked="" type="checkbox"/> International Organisations |
| <input checked="" type="checkbox"/> Public or Governmental Body                  | <input checked="" type="checkbox"/> Individual Partner          |
| <input checked="" type="checkbox"/> NGOs / Voluntary Civil Society Organisations | <input type="checkbox"/> Other (specify)                        |

#### Expertise / Competency :

- Marine and Maritime Technology and Innovation
- Maritime Clusters
- Marine and Maritime Tourism
- Maritime Transport
- Secure, Clean and Efficient energy
- Smart, Green and Integrated transport
- Maritime Security and Surveillance
- Marine Resources
- Marine Heritage

#### Target Partner Country :

|                                                 |                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------|
| <input checked="" type="checkbox"/> Any Country | <input type="checkbox"/> Member State or Associated Country     |
| <input type="checkbox"/> Third Country          | <input type="checkbox"/> International Cooperation Country ICPC |
| <input type="checkbox"/> Specific Country       |                                                                 |

**Date: 11/08/2014**

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Please fill in the form and return it to the National Contact Point in charge. For a full list of National Contact Points visit our website <http://www.research.org.cy/EL/index.html>