



Strengthening Intellectual Property and technology transfer processes in greEn sea mobility sectors



WHAT IS THE SHIPmEnTT PROJECT

The SHIPmEnTT project is designed to improve SMEs innovation capacity in the Adriatic-Ionian area (ADRION) through specifically designed technology transfers and innovation management support actions that will bring benefits to enterprises dealing in maritime sector.

The SHIPmEnTT Project focuses its activities on Blue Growth and green sea mobility, targeting the following sectors:

- ENERGY
- LOGISTICS
- SAFETY
- ENVIRONMENTAL-FRIENDLY TECHNOLOGIES

WHAT ARE THE REASONS BEHIND THIS PROJECT?

The major territorial challenges in the ADRION area are:

- * **Promote business investment in R&I:** Foster research activities and innovative products in the area and build an industry with a sustainable long-term horizon
- * **Innovation development:** Improve the blue technologies innovation ecosystem in the ADRION area and enhance SME's skills in exploiting Intellectual Property towards innovation
- * **SME Competitiveness:** Encourage SMEs in performing breakthrough innovation
- * **Access to finance:** Suggest new paths for growth and sustainability by supporting local and regional SMEs in accessing financial resources
- * **Integrated regional development:** Exploit synergies potential among the SMEs in the ADRION area

WHAT ARE THE OBJECTIVES OF SHIPmEnTT?

The SHIPmEnTT project aims at overcoming low access to finance, insufficient use of intellectual property rights, lack of synergies among SMEs and research institutions, intermediaries and policy makers by bridging demand and supply of innovation, by providing smart coaching and by increasing access to the available funding opportunities.

The beneficiaries of the Project are: Intermediary institutions, enterprises and research centers.

SHIPmEnTT will gather all relevant actors and create tools for intermediaries and research centers that will help them to assist SMEs in innovation actions and fundraising. Enterprises will benefit from planned pilot actions about innovation and intellectual property management, necessary for increasing their competitiveness at international markets.

ACTIVITIES

Kick-off Meeting
April 12-13, 2018, Heraklion, Crete, Greece

Starts ShipmEnTT 'Strengthening Intellectual Property and technology transfer processes in greEn sea mobility sectors', Adrion Program. The project aims to promote innovation, boost competitiveness, access to finance, SMEs operating in the maritime sector in the Adriatic-Ionian area, according to the Blue Growth Strategy and the Green Shipping Principle. Kick off meeting was held in Heraklion, Crete

2nd Project Meeting
October 8 and 9, 2018, Maribor, Slovenia



ADRION Area, the Development Scenarios

The identification of the most important trends for the processing of ADRION scenarios " is the title of the document implemented by the partners within the SHIPmEnTT project and as part of the T1 package, which aims to draft a strategy of the project in question, to support innovation and technology transfer processes in the ADRION area, referring to the green mobility sector.

The idea is to give a description of the current situation in the territory and to understand the prospect of the developments, in order to make the right interventions.

Among other things, the document describes the most influential megatrends in blue growth and blue technologies in the 8 countries of the Adriatic region, which gives us the ability to determine the megatrends and trends for the green mobility sector, based on four targeted areas: Energy, Logistics, Security and Environmentally Friendly Technologies.

Based on this, was determined the key strategy for the identification of the most interesting and promising innovative routes, which are going to be suggested to SMEs operating in the green sea mobility sector.

We specified from this strategy that it is necessary to determine the meaning of mega-tendencies and the ways which they differ from the tendencies. This is because megatrends are macro-general changes affecting social, economic, political, environmental, or technological phenomena, which consequently tend to form joint activities, processes, and perceptions in the areas which they operate. In contrast to these and whether they are based and originate from megatrends, trends are defined as more specific changes that directly affect the actions of local authorities and condition their immediate intervention.



Based on these concepts, we highlighted trends in the green sea sector, which are: macroeconomic, business, technological, demographic, social, environmental, and management. For each of them, partners from each participating country of ADRION identified specific trends for all of the above-mentioned areas. During the process of the comparison of the specific models, we identified the common tendencies for the entire region, among which we highlight.

- **Increased funding demand:** Connecting the private sector with national and international financial resources is considered very important because it will generate funds. In order to ensure sustainable investment, investors should be based on secure financial schemes, monitored at the national level. It is equally important that in this area the development of instruments or effective financing schemes for the use of alternative energy sources, also the effective technologies for environmentally friendly technologies, or tax incentives obtained by the government.
 - **Population Growth:** Specifically, urbanization will boost demand growth for a wide range of services, utilizing water transport and other alternatives in this area, in the next megacities, which will lead to the improvement and the transformation of the respective infrastructure. But, on the other hand, population growth will increase the demand for water and food, reducing their security resources due to climate change and consequently increasing energy consumption.
 - **The necessity of improving the existing infrastructure,** applying new technologies, new rules, increasing transport security and introducing new methodologies for radical upgrading of shipping.
 - **The increase of ecological standards** through the use of advanced design and production technologies, the development of advanced materials with higher productivity and competitive production (automatic robotics), which, according to the document, contributes to an eco-friendly production chain and in fostering ecological energy resources.
 - **ICT development:** Digitalization, the introduction of smart ships and smart ports, infrastructure with the same profile and increased volume of relevant information are increasing the degree of autonomous systems with remote control options, while the high degree of automation of processes is improving security, energy efficiency, while decreasing harmful emissions.
 - **It is estimated as an urgent need to ensure a higher quality of life,** minimizing environmental risks as a result of economic activities in the maritime sector. This sector should be more social and environmentally responsible.
 - **Legislative reform:** It is necessary to improve financial, legal and investment policies in order to: promote the use of renewable energy sources, the establishing of responsible agencies, the increase of national investment in education and the regulation of procurement in the field of environmental friendly technologies, the development of regulations and directives for the development of alternative energy sources etc.
 - **Climate change:** It's important to promote investment that minimizes the negative effects of global warming, where, adapting coastal infrastructure plays an important role to cope with extreme weather conditions.
 - **This document specifies that shipping is expected to be the most sustainable model in this area,** taking into account the fact that standards will be applied to eliminate harmful emissions, pollution, or other possible negative impacts on flora and fauna.
 - **Digitalization and automation will also be associated with the use of advanced design and production technologies,** which will provide flexible and cost-effective port infrastructure in marine equipment. Such a highly effective production can contribute to the realization of a whole secure, competitive and eco-friendly production chain. But, here it is noted that the dramatic increase in digitization requires the use of electronic data as a substitute for the current documentation of legal documents and solutions related to data ownership, access to data and IP rights issues.
 - **The real challenge in the maritime transport sector is estimated to be a prevention of accidents,** pollution, or marine hazards, cyber-attacks and terrorism.
- In conclusion, the identification of the most important megatrends and possible trends enabled the processing of different scenarios for ADRION's Eco-System of Innovation (1.1.7) and the new strategy (Deliverable 1.3.1) to support innovation and technology transfer processes in the green mobility sector across the ADRION area.

Events

3rd Project Meeting January 28 and 29, 2019 Padova, Italy

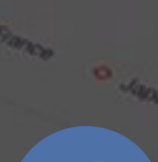
SHIPmEnTT Project's Partners gathered in Padova on the 28th and 29th of January 2019 for the Steering and Technical Committees meeting. Partners focused on the medium-term strategy: enhancing investments in R&D and increase the competitiveness of local SMEs. This objective will be pursued through IP management and access-to-finance services which will increase the skills of business support organizations and the business potential of SMEs which, in turn, will be encouraged to cooperate with research centres. Partners also participated in a study visit with a representative of UNISMART, a start-up of the University of Padova specialized in the field of patenting. The speakers presented UNISMART, focusing on the company's ability to match the needs of researchers and enterprises in the development of new technologies, and to ease the bureaucratic steps of patenting processes.



The second partner meeting of the Project SHIPmEnTT- INTERREG ADRION program The project has been designed to improve the innovation and entrepreneurship capacity of the Maritime SMEs in the ADRION area; Develop links and synergies between enterprises, research institutions and academia and business support organizations; Support networking, clusters and incubators; in the field of blue technology and green mobility.

WORK IN PROGRESS

- Online and offline trainings
- IP rights and access to the finance
- Pilot actions



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