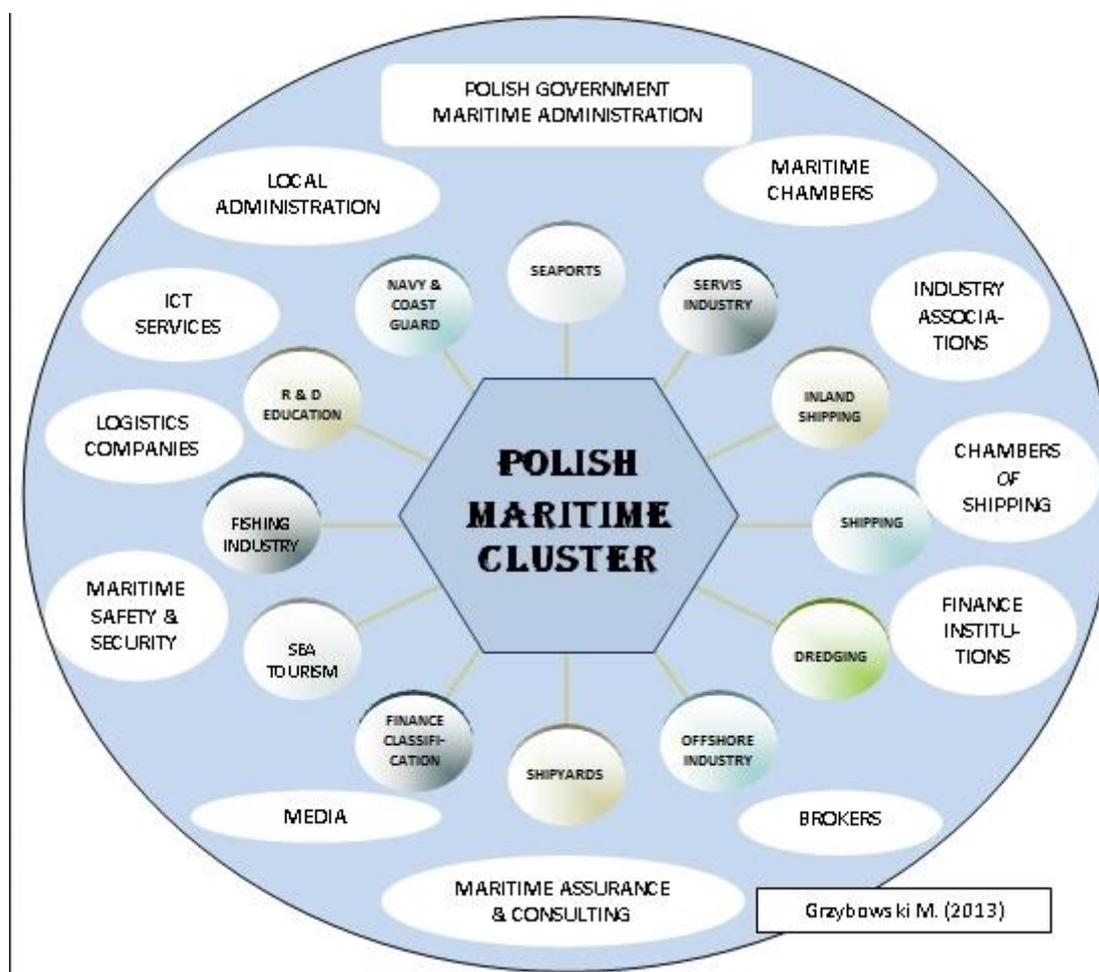




Polish Maritime Cluster members

Communication on Engagement 2017-2018

Polish Maritime Cluster is an important Maritime Cluster in Central and Eastern Europe, an active maritime cluster player in the Baltic Sea Region and the EU, as well as a member of the European Network of Maritime Clusters, United Nation Global Compact and The European Cluster Collaboration Platform. The Polish Maritime Cluster focuses on transferring knowledge and organizing business, science and administration cooperation in a global and regional scale. The cluster thinks globally and acts locally and globally.



Polish Maritime Cluster (PMC) is an effective promoter of the United Nation Global Compact policy and activity. Cluster acts as a partner and a participant in numerous endeavors regarding Polish maritime economy, including by creating it as an equivalent of the national and European intelligent specialization. Cluster also interacts in the International Ocean Governance programme.

Członkowie wspierający:



Polish Maritime Cluster Incorporated the GC principles into international operations and communicate progress following the COP in the projects:

1. TENTacle - Capitalising on TEN-T core network corridors for prosperity, growth and cohesion
2. ELMAR - Supporting South Baltic SMEs to enter the international supply chains & sales markets for boats & ships with electric propulsions
3. ECOPRODIGI – Eco-efficiency to maritime industry processes in the Baltic Sea Region through digitalisation
4. E-LASS - European network for lightweight applications at sea
5. Smart Blue Regions - Implementing the RIS3 in the Baltic Sea Region.

Ad 1. Polish Maritime Cluster (PMC) supports partners of the TENTacle Project to develop a green last mile infrastructure in and around an urban node on the Baltic-Adriatic corridor to both serve the metropolitan growth and the seaborne transit. PMC promotes how to use the EGTC (European Grouping of Territorial Cooperation) to coordinate the greening of transport and to ensure the corridor connectivity across the sea (MoS links). PMC collects information how to utilise the region's proximity to all the three TEN-T core network corridors to overcome the disadvantageous development standings and reconcile the needs of the labour market mobility and international transport functions in a sustainable way?



Ad 2. Polish Maritime Cluster has participated in ELMAR dialogue forum „e-mobility on water – how public climate protection initiatives lead to a shift towards electric propulsion investments in waterbound passenger transport”. PMC supports knowledge transfer about the ship and boat building sector in the South Baltic area in adaptation to electric maritime mobility, creating related products and better utilizing the market potential for electric boats and ships within the region. The expected result of the project is utilizing the innovation of electric drive systems for boats and ships as well as for entering new markets, developing pilots for new maritime e-mobility applications and transferring solutions for retrofitting boats and ships for the benefit of maritime sector SMEs.

Ad 3. Polish Maritime Cluster in the ECOPRODIGI project supports increasing eco-efficiency in the Baltic Sea region maritime sector by creating and piloting digital solutions in close cooperation between industry end-users and research organisations. Ultimately, ECOPRODIGI partners support Baltic Sea region in becoming a front-runner in maritime industry digitalisation and clean shipping. The cluster disseminates awareness that there is a strong environmental and economic pressure for cleaner shipping. The Baltic Sea is one of the busiest and most vulnerable seas. Shipping in the Baltic Sea is highly regulated and the



industry is under pressure to meet the regulations. In addition, customers are increasingly interested in the environmental performance of shipping. The shipping industry in the region is also facing increasingly fierce competition. Thus, there is a need to produce more value with less resources, waste and pollution – i.e. a need for more eco-efficient operations and processes in the shipping industry. Today digital solutions enhancing eco-efficiency throughout the vessel lifecycle. ECOPRODIGI addresses both the environmental and economic challenges by increasing eco-efficiency at all stages of the vessel lifecycle from design and building to the use, maintenance, stowage as well as conversion processes. In practice, ECOPRODIGI not only provides highly needed information about the key eco-inefficiencies of the industry but also concretely develops and pilots digital solutions to better measure, visualise and optimise the industry processes. ECOPRODIGI also improves the capacity of the maritime industry actors to enhance eco-efficiency in their operations by providing training for the key actors and by designing a digitalisation road map for increasing eco-efficiency. As digitalisation remains largely unexploited in the maritime industry, ECOPRODIGI also strengthens the public support for digitalisation by providing policy workshops and recommendations.

Ad 4. Polish Maritime Cluster is a member of the European network for lightweight applications at sea (E-LASS) gather stakeholders interested in lightweight design for the maritime industry. PMC participates in exchanging of the information and knowledge about smart solutions of the lightweight applications at sea. PMC promotes that lightweight materials and lightweight design at sea is driven by the two main societal challenges of today: energy efficiency and environmental stewardship. A lighter vessel will use less fuel and a semi-submersible offshore platform can only fully attain an optimized weight distribution through proper lightweight design. An offshore wind turbine deprived of lightweight design and lightweight materials is scarcely imaginable. For many applications, however, the increased use of novel lightweight designs are being slowed down by tradition and conservative resistance to change, coupled to a lack of experience and knowledge. E-LASS aims at facilitating activities in support of necessary development of lightweight design.

Ad. 5. Polish Maritime Cluster supports the implementation of the RIS3 in the Baltic Sea Region. PMC participated as an expert in workshops and promotes Blue Growth as a new concept of the development of maritime industries. Whereas traditional maritime activities like shipping and fishery have been targeted by European, national and regional policies for decades, there is still only a limited base of experience of proven policy measures when it comes to blue biotechnology (life science, maritime surveillance) technology or new propulsion technologies based on marine energy resources.

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