

Hypercluster of the Sea Economy and the Role of Business

by

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Oceans as a Driver of Innovation

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Introduction

Sea:



- Portugal's greatest potential resource, yet to be fully developed
- The one that distinguishes it from most of our European partners
- Unique geographical position
- Future of Portugal and of the World

Study on the Hypercluster of the Sea Economy

Ordered by:

- Portuguese Chamber of Commerce and Industry

To:

- Prof. Ernâni Lopes, former Portuguese Finance Minister

Practical paper that, with concrete measures, shows the way to explore this unique resource in several areas

- Sponsored by 15 companies
- Proposed concrete measures duplicate GDP generated by the sea

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Master Plan of Actions:

- Harbours, Logistic and Sea Transports
- Recreational Sailing and Nautical Tourism
- Fishing, Aquaculture and Seafood Industry
- Energy, Minerals and Biotechnology
- Maritime Services
- Naval Construction and Ship Repairing
- Maritime Construction
- Scientific Research, Innovation and Development
- Education and Training
- Defense and Safety at Sea
- Environment and Nature Protection
- Production of Strategic Knowledge
- Visibility, Communication and Maritime Culture

Priority

Support

Feeding

Study on the Hypercluster of the Sea Economy

Conditions for the Viability of the Study:

- The Role of Government
 - Constitution of a **Cabinet Board for the Sea** led by the PM
 - Specific and Exclusive **Legislation**
- The Role of Business
 - **Business Forum** for the Sea Economy led by the Chamber



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- **Harbours, Logistic and Sea Transports**
 - Redefine national harbours network, including Madeira and Azores
 - Increase efficiency of terminals operating in Short Distance Sea Transportation
- **Recreational Sailing and Nautical Tourism**
 - Develop Strategic Plan of Recreational Sailing support network
 - Create “Sea Centres”, responsible for local development of Nautical Sports and Recreational Sailing
- **Fishing, Aquaculture and Seafood Industry**
 - Define and delimit areas with aquaculture potential
 - Promote “delimited fishing regions”
- **Energy, Minerals and Biotechnology**
 - Define areas with potential for biotechnology and energy development

- **Maritime Services**
 - Create autonomous Short Sea fare
 - Promote Madeira International Registry
- **Naval Construction and Ship Repairing**
 - Specialize and develop the naval shipyards network
 - Create services for recreational boats wintering and maintenance
- **Maritime Construction**
 - Build the recreational sailing support network
 - Promote the specialization of post graduate degrees in marina planning and construction

- **Scientific Research, Innovation and Development**
 - Coordinate and integrate applied research directives
 - Create an international joint-venture in fuel cells research
- **Education and Training**
 - Identify the required curricula for the support to the Hypercluster activities
 - Promote professional schools certification
- **Defence and Safety at Sea**
 - Improve the organic structure of the National Maritime Authority
 - Improve the role and means of the Navy in environment protection and safety at sea

- **Environment and Nature Protection**
 - Integrate the supervision of sea and costal regions
 - Create competences in ecology engineering, as an environment branch
- **Production of Strategic Knowledge**
 - Promote programs to improve the cooperation between different sectors
 - Create a dynamic database related to sea activity resources
- **Visibility, Communication and Maritime Culture**
 - Create a systematic plan for the recovery and promotion of the maritime identity of the Portuguese society
 - Create a strategic communication plan to promote the identification of Portugal with the sea

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