



Multi-Use Offshore Platform (MOP) on the Guiana Shelf

MARIBE Overview

- ◆ MARIBE is a Horizon2020 project that aims to unlock the potential of multi-use of space in the offshore economy.
- ◆ This forms part of a long-term Blue Growth strategy to support sustainable growth in the marine and maritime sectors as a whole.
- ◆ Led by a consortium of 11 partners. Coordinated by University College Cork with partners from the UK, Netherlands, Italy, Belgium, Spain and Malta.

- ◆ Status of the project prior to engagement with MARIBE
- ◆ Impact of working with MARIBE
- ◆ Benefit gained from the advisory session
- ◆ Future collaboration arising from interaction with MARIBE

MOP challenges

- **TRADE requirements**



Trend



Water draught > 15m

DEPTH AND SPACE LIMITS

+ Opportunities related to the **Panama Canal**

With favourable met-ocean conditions

- **RESOURCES opportunities**



O&G resources

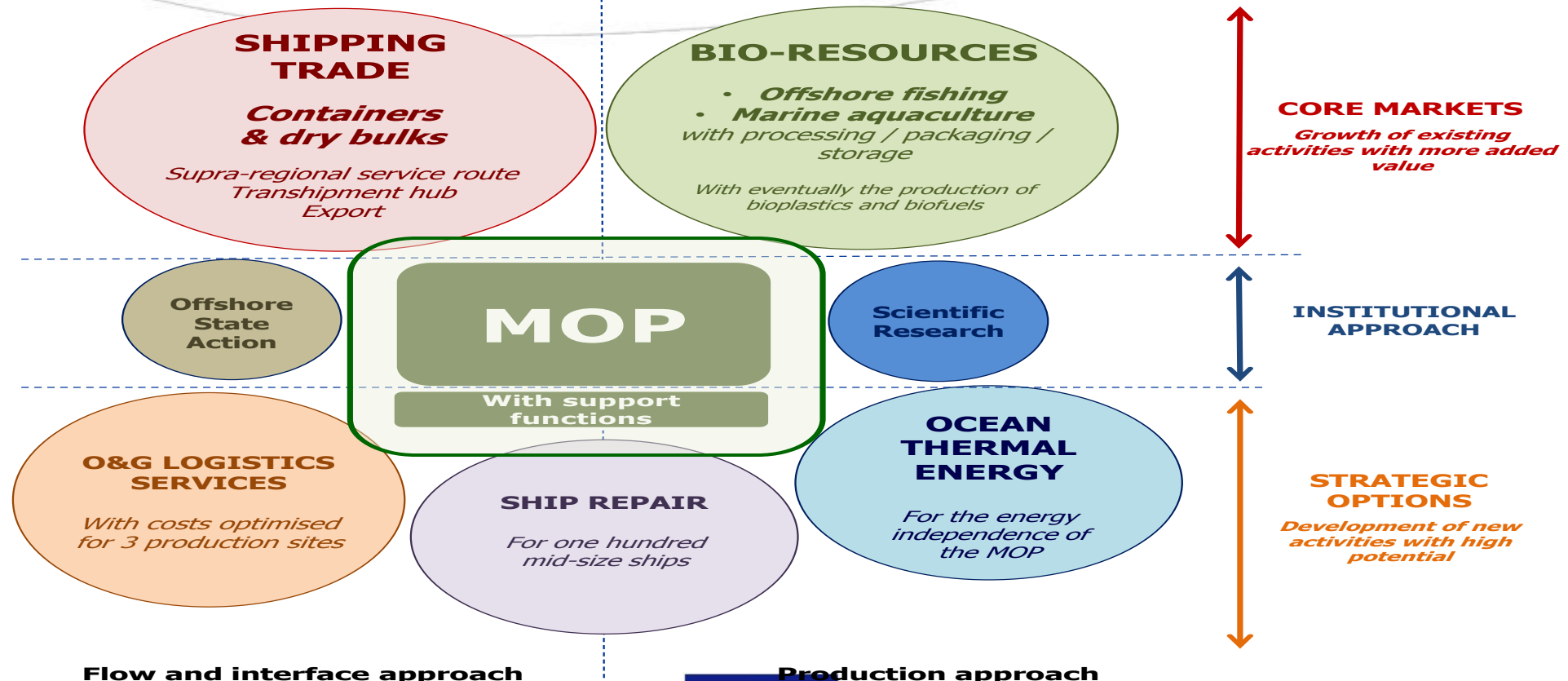


- Fishing
- Aquaculture



Ocean Energies
Especially tidal & OTEC

SUSTAINABLE VALORISATION OF BIO-RESOURCES



MOP VALUE PROPOSITION

- facilitate Panamax 2016 ships & act as a **distribution hub** for the area
- provide a **barge system** for container feeding & semi-**automated container transfer** system
- **reduce dispatch times** and **transportation costs** for shipping and oil & gas companies

- enabler for aquaculture farmers to **exploit 800km²**, around the platform **without conflict of interest**
- ballast tanks on the floating platform will provide a location to **hatch and grow juveniles**
- **shorter distance** between aquaculture farms and seafood workshops
- **increased security and quality & access to nutrient rich waters**

- ◆ **Pre-feasibility study endorsed by local authorities**
- ◆ **To build a sustainable industrial future looking towards the maritime space, inter-regional integration and marine resources**
- ◆ **+ 3% of GDP in French Guiana and more than 3000 jobs / 10 % of total employment**
- ◆ **1 Billion+ € investment with attractiveness threshold \approx 150 M€/year of revenues**
- ◆ **Reference financial plan: 75% from public funds & 25% from private investment**

- ◆ **Initial Business Plan at European standards**
- ◆ **CAPEX 1100 M€**
 - ◆ Public funds: 90% of the infrastructure CAPEX and 10% of the equipment CAPEX at 2% IRR
 - ◆ Private funds: 10% of the infrastructure CAPEX and 90% of the equipment CAPEX at 8% IRR
- ◆ **WACC 5%**
- ◆ **PAY BACK 20 YEARS**

- ◆ General support to go on
- ◆ External view on project strength and weakness
- ◆ Connection to EU (DG Mare) and FAO

Future collaboration arising from interaction with MARIBE

- ◆ Project integrated in the new French National Maritime Strategy
- ◆ Possible cooperation within an French University Foundation coordinated by University of Nantes and French Guiana to conduct feasibility study
- ◆ Aquaculture development in French Guiana in cooperation with FAO & Ifremer
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looking towards the maritime space, inter-regional
integration and marine resources



THANK YOU MARIBE