

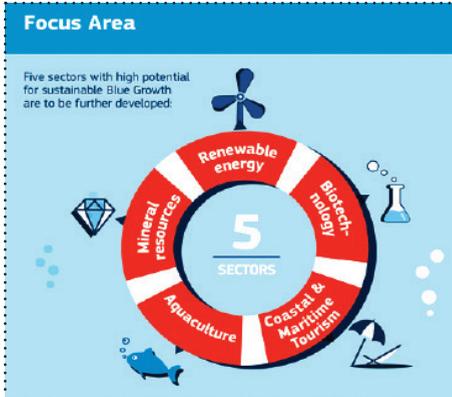


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“If the highest aim of a captain were to preserve his ship, he would keep it in port forever” - St. Thomas Aquinas

Blue Economy – Wave 100

(Series on “Blue Economy” By Capt. Gajanan Karanjikar)



Capt. Gajanan Karanjikar, Blue Economy Social Activist & Multi Modal Logistics Expert

Blue Economy and Ocean Governance :

Marine spatial Planning:

Informed decisions facilitated by technological innovations

To empower informed decisions, Marine Spatial Planning relies on technological innovations that deliver reliable and relevant data. Examples include

- the improved data sourcing on fishing

locations and fishing methods provided by satellite-based Vessel Monitoring System (VMS),

- Automatic Identification System (AIS) to identify and monitor vessels,
- or even the Visible Infrared Imaging Radiometer Suite (VIIRS) to acquire visible and infrared imagery of the oceans.

Besides, big data processing is bound to make a big difference, especially in

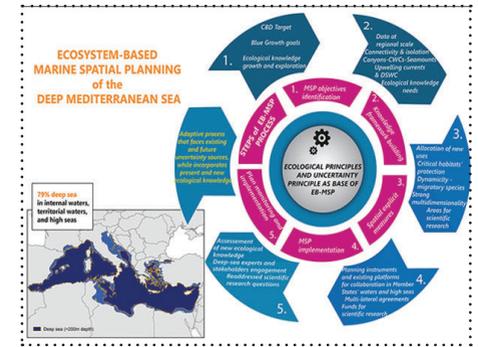
connection with data processing software and better assessment and decision-making models.

Marine spatial planning as a catalyst for innovative blue technologies

Marine Spatial Planning can play a significant role in the growth of a sustainable blue economy, in particular as a catalyst for innovative blue technologies. By identifying suitable testbeds and demonstration sites, it provides space to test innovative technological solutions and facilitate their de-risking. Examples include the space for testing an autonomous shipping route between Finland and Sweden, the Offshore Innovation Lab in the Netherlands to pilot new technologies or test blue innovations for upscaling, and the space for ocean multi-use demonstrator sites provided by Portugal.

A driver towards life-cycle design thinking

Especially as Marine Spatial Planning brings together different stakeholders to work across borders and sectors, it can be a real driver towards circular and life-cycle design thinking. This thinking is already applied within decommissioned oil and gas installations which are re-purposed to serve other uses after their initial lifetime, such as tourism, hydrogen storage or carbon capture and storage. Whereas current oil and gas installations have not been designed initially with such re-purposing in mind, life-cycle design



thinking is becoming more relevant as planning scenarios adopt a long-term perspective.

A sustainable blue economy impacts a broad set of SDGs

From a policy perspective, Marine Spatial Planning is instrumental in implementing a strategic and integrated approach to developing a sustainable blue economy. And because our oceans and seas connect to sustainable life at so many different levels, we shouldn't underestimate the impact of such an approach. Ultimately, a sustainable blue economy not just helps us achieve SDG14 (Life Below Water) but enables us to impact a broad set of SDGs.

Integrated coastal zone management (ICZM) is a dynamic, multidisciplinary and iterative process to promote sustainable management of coastal zones. It covers the full cycle of information collection, planning (in its broadest sense), decision making, management and monitoring of implementation.



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