

BLUE GROWTH II

- The BLUEMED initiative.
- Sustainable aquaculture. Aquaculture and EU policy. Regional reviews and global overview. Achieving sustainable aquaculture.
- Searching for gas and oil in the sea.
- Blue Growth and Marine Renewable Energy (MRE)
- Global potential of MRE capacity: Overall and by type of technology
- Global active MRE capacity: Overall and by type of technology
- Description, types and operational examples of:
 - Tidal energy technologies
 - Wave energy technologies
- Description and operational examples of OTEC, salinity gradient power, offshore wind energy, offshore solar energy
- Definition of Levelised Cost of Energy (LCoE)
- LCoE comparison: Renewable (offshore & onshore) Vs Conventional Energy
- Critical Factors, Key Strategies & Recommendations for MRE Development
- International & European policy and legislation for MRE Development
- Certification of MRE projects: Need and methods
- Investment models for MRE projects: Types and applicability (fitness)
- Blue Growth Vs Marine Propulsion Fuels & Systems
 - Ship Energy Efficiency & IMO Initial GHG Strategy
 - Production and use of carbon free marine fuels (Grey, Blue and Green Hydrogen & Ammonia)
 - Fully electric ships: Conventional and renewable (onshore Vs offshore) energy sources for battery charging
 - Comparison of marine fuel and propulsion alternatives: Key parameters and applicability
- Blue biotechnology. Successful marine biotechnology advances. Examples.
- Marine bioprospecting. Bioprospecting pipeline. Case studies. Marine bioeconomy.
- Marine Protected areas. The case of marine protected areas in connection to tourism and environmental protection and habitat restoration. Case studies.
- How can marine ecosystem services support blue growth?
- Blue growth and blue justice. What solutions are available to achieve a more just ocean economy?