

SECTORS OF BLUE GROWTH I

- The Blue Growth concept. Established, emerging, unborn marine industries. Sustainable development and blue growth.
- Maritime zones defined by the UN Convention on the Law of the Sea.
- Coastal and marine tourism: Definitions. Ecotourism. Tourism in the Mediterranean Sea. Environmental considerations of mass tourism. Benefits of sustainable coastal tourism. Socio-economic impacts.
- Aquaculture: Terminology. Environmental issues and concerns associated with marine aquaculture. Aquaculture risks. Integrated marine fish culture. Sustainable fish farming. The Mediterranean fish farming. The Greek aquaculture.
- Marine biotechnology: Marine derived products. Algal food products. Pharmaceuticals, marine derived medicines. Fuel and antifouling compounds from algae.
- Offshore energy: Offshore wind farms. Wave energy. Tidal energy. Ocean thermal energy conversion. Case studies.
- Offshore oil drilling: Platforms categories. Potential environmental issues. Air emissions, Wastewaters. Waste management. Noise. Spills. NORM. Safety. Novel ecosystems.
- Seabed mining: Types of marine minerals. Deep-sea minerals occurrence. Placer deposits. ISA. Environmental impacts. Current and future trend. Case studies.
- Blue Growth sectors and water depth. Interactions and conflicts among blue growth sectors.
- Blue growth and ecosystem services.