

SESSION 4: Blue growth from marine bioresources and biotechnologies

The present call for communications concerns the Blue growth stemming from marine bioresources and biotechnologies, particularly microalgae and macroalgae. Other types of marine biomass, seafood by-products, microfungi, sponges ... are also included. Communications can focus on risks and/or opportunities for existing value chains, or for novel products and industries. More specifically, they can deal with the development of innovative process to extract high valued molecules and elaborate bio-materials or ingredients for the cosmetics industry, food and feed sectors, plant animal or human health, environment and energy.

Proposals may also concern the regional integration of large-scale value chains (e.g. culture and bio-refineries of micro-algae) in a circular economy perspective (location sites, user conflicts, environmental and social impact, access to nutrients such as CO₂), the logistic strategies (freight and storage) or the role of public policies dedicated to Blue growth.

Synergies and added value for regions will be particularly emphasized: potential markets for marine micro-organisms, legal status of marine bio-molecules, patentability and conditions of extraction and processing, funding of marine biotechnologies, spillover effects, organizational and competitive aspects, multi-output strategies and value-adding of by-products.