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Influence of ecological dynamics on production and demand for marine ecosystem services. A systematic review for decision-making.

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The ecosystem services approach is a way of studying socio-ecosystems by proposing to analyze interactions between components of living organisms (humans and non-humans). It requires a rigorous approach within different scientific disciplines to describe these interactions and understand their scope.

Within the marine sciences, the ecosystem services approach is constantly developing and, from an operational perspective, aims to **identify the obstacles and levers of action for the conservation and sustainable use of marine socio-ecosystems**. However, the heterogeneity of scientific data produced at the international level on marine ecosystem services and, even broadly, on the interactions between marine biodiversity and societies, constitutes today a major obstacle for the effective use of scientific results by decision-makers.

The objective of this systematic review is to identify and analyze the interactions between marine biodiversity and human societies in order to identify how ecological dynamics, whether natural or related to anthropogenic forcing, have an effect on the production and demand for marine ecosystem services .

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CESAB (Centre for the Synthesis and Analysis of Biodiversity) is FRB's flagship program and an internationally renowned research center whose objective is to implement innovative work to synthesize and analyze existing data sets in biodiversity research.

