

Export citation Purchase More options...

Show thumbnails in outline

Abstract

Keywords

1. Introduction

2. Methodology



2.1. Atlantic frontier

2.2. Banco D. João de Castro, Azores

2.3. Isles of Scilly

2.4. Belgian part of the North Sea

2.5. Flamborough Head

2.6. Gulf of Gdańsk

2.7. Lister Deep

3. Results

3.1. Goods and services provided by marine biodiversity

Table 1

3.1.1. Food provision

3.1.2. Raw materials

3.1.3. Gas and climate regulation

3.1.4. Disturbance prevention (flood and storm protection)

3.1.5. Bioremediation of waste

Wageningen University, 6700 EW Wageningen, The Netherlands  
University of Hull, Maritime Historical Studies Centre, Hull HU1 1HA, United Kingdom  
University of Gdańsk, Institute of Oceanography, 81-378 Gdynia, Poland

http://dx.doi.org/10.1016/j.marpolbul.2006.12.003, How to Cite or Link Using DOI

Permissions & Reprints

View full text

Purchase \$39.95

### Abstract

This paper identifies and defines ecosystem goods and services provided by marine biodiversity. Case studies have been used to provide an insight into the practical issues associated with the assessment of marine ecosystem goods and services at specific locations. The aim of this research was to validate the definitions of goods and services, and to identify knowledge gaps and likely difficulties of quantifying the goods and services. A validated theoretical framework for the assessment of goods and services is detailed, and examples of the goods and services at a variety of case study areas are documented. These results will enable future assessments of marine ecosystem goods and services. It is concluded that the utilisation of this goods and services approach has the capacity to play a fundamental role in the Ecosystem Approach, by enabling the pressures and demands of society, the economy and the environment to be integrated into environmental management.

### Keywords

Marine biodiversity; Goods and services; Ecosystem Approach; Environmental management