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#### Scientific Contact

Dr. Emanuel Söding  
esoeding@uv.uni-kiel.de

Cluster of Excellence "The Future Ocean"  
Kiel University  
Olshausenstraße 40, 24098 Kiel, Germany

#### Publisher Contact

Jan Lehmköster  
lehmkoester@maribus.com

maribus gGmbH  
Pickhuben 2, 20457 Hamburg

[www.worldoceanreview.com](http://www.worldoceanreview.com)  
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# world ocean review

Living with the oceans.

Published by  
**maribus** in cooperation with



**mare**



# 1

## Living with the oceans. A report on the state of the world's oceans 2010

This first “World Ocean Review” is a comprehensive, detailed and unique report about the state of the world’s oceans and their interplay with ecological, economic and sociopolitical conditions. Its aim is to increase public awareness of the interconnected nature of the diverse aspects of the marine environment and thus to boost marine conservation.

- 1 – The world oceans, global climate drivers
- 2 – How climate change alters ocean chemistry
- 3 – The uncertain future of the coasts
- 4 – Last stop: The ocean – polluting the seas
- 5 – Climate change impacts on marine ecosystems
- 6 – Exploiting a living resource: Fisheries
- 7 – Marine minerals and energy
- 8 – Maritime highways of global trade
- 9 – Medical knowledge from the sea
- 10 – The law of the sea: A powerful instrument



# 2

## The Future of Fish – The Fisheries of the Future 2013

The “World Ocean Review 2” explores the future of fish and their exploitation. Fish are a key source of food, while fisheries are a mainstay of the economies of many nations. However, the state of fish stocks around the world gives cause for alarm. WOR 2 explains in clear language the mechanisms of complex marine ecosystems, shows why fish are so vital to human societies and spotlights ways to handle fish resources in future that are both politically viable and socially responsible.

- 1 – The importance of marine fish
- 2 – Of fish and folk
- 3 – Plenty more fish in the sea?
- 4 – A bright future for fish farming
- 5 – Getting stock management right



# 3

## Marine Resources – Opportunities and Risks 2014

The “World Ocean Review 3 – Marine Resources – Opportunities and Risks” describes in detail the known metal and energy commodities in the oceans and illuminates in a scientifically sound and for the layman comprehensible manner the opportunities and risks of mining operations and the use of raw materials in the sea. The report provides facts about the amount of known oil and gas reserves and the solid gas hydrate deposits below the seafloor. Furthermore, it elaborates on the potential of mineral resources such as manganese nodules, cobalt crusts and massive sulfides. In addition, the report focuses on the responsibility of the international community for environmentally sound exploitation and the international legal challenge for socially just distribution of resources in international waters.

- 1 – Oil and natural gas from the sea
- 2 – Seafloor mining
- 3 – Energy from gas hydrates
- 4 – Environmentally friendly production and fair distribution



# 4

## Sustainable Use of Our Oceans – Making Ideas Work 2015

The fourth issue of the World Ocean Review deals with the idea of sustainability and how it can be implemented when interacting with our seas. The WOR explains the key ecosystem services that are performed by the oceans and shows what endangers them most. It visualizes how today’s marine politics works on a regional as well as trans-regional basis, and offers a future outlook on how the seas can simultaneously be used and protected in a sustainable manner.

- 1 – Concepts for a Better World
- 2 – How the Ocean Can Serve Us
- 3 – Politics and the Ocean
- 4 – Hope for the Ocean