The Future of the Ocean Economy: Exploring the prospects for emerging ocean industries to 2030

Workshop
Prospects and Challenges of Deep-Sea Mining
A Thematic Foresight Process

Kiel, Germany
27-28 November 2014
In a nutshell

As part of OECD project The Future of the Ocean Economy, this workshop addressed the prospects and challenges of deep sea mining. The workshop met in Kiel, Germany on 27-28 November 2014.

Amongst the topics covered were:

- the most important factors driving future seabed mining, including a realistic assessment of the longer-term commercial prospects and the role of state operators such as Russia and China, including discussions on the economic imperatives of the major mining companies (e.g., declining grades, increasing costs) and the role of private versus state operators (e.g., perspective on Russia, China and emerging players)

- the relevant scientific and technological innovations that would contribute significantly to marine resource extraction, including global geological resource availability (e.g., conventional versus unconventional resources) and advanced exploration and development of marine mineral resources in Japan (e.g., including future goals and objectives)

- future regulatory requirements for dealing with seabed mining, including the current state of governance and future policy precautions and a corporate perspective on domestic and international regulatory and associated policy strategies.

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Workshop on the
Prospects and Challenges of Deep-Sea Mining

Organized within the framework of the OECD project on
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Exploring the prospects for emerging ocean industries to 2030

Haus B, Guesthouse of the Federal State of Schleswig-Holstein,
Düsternbrooker Weg 80, Kiel
27-28 November 2014

Agenda
Co-Chairs: Torgeir Edvardsen and Mark D. Hannington

Thursday, 27 November 2014

15.00 – 16.00 Welcome and Introduction

Welcoming Remarks
Hartmut Euler, Director, Technology, Tourism and Consumer Safety, Ministry of Economics, Work, Transport and Technology, Federal State of Schleswig-Holstein

Opening Remarks
Peter Herzig, Director of the GEOMAR|Helmholtz Centre for Ocean Research and Maritime Coordinator, Federal State of Schleswig-Holstein

Opening Remarks
Barrie Stevens, OECD

Introduction to the Future of the Ocean Economy Project and meeting objectives
Torgeir Edvardsen, OECD

Introduction to the current status of marine mining and key issues
Mark Hannington, GEOMAR

16.15 – 18.15 Issue 1: What are the most important factors driving future seabed mining, including a realistic assessment of the longer-term commercial prospects and the role of state operators such as Russia and China

16.15 Phillip Crowson
Introduction to the economic imperatives of the major mining companies (e.g. declining grades, increasing costs)

16:30 David Humphreys
Introduction to the role of private versus state operators (e.g. perspective on Russia, China, emerging players)
Friday, 28 November 2014

8.30 – 9.00    Arrival
9.00 – 9.15    Introductory Comments

9.15 – 11.00 Session 2: What are the relevant scientific and technological innovations – already available or in the pipeline – that would contribute significantly to marine resource extraction

9.15    Murray Hitzman
        Introduction to global geological resource availability (e.g., conventional versus unconventional resources)

9.30    Tetsuro Urabe
        Advanced exploration and development of marine mineral resources in Japan (e.g., including future goals and objectives)

11.30 – 13.15 Session 3: What are the future regulatory requirements for dealing with seabed mining?

11.30    Jeff Ardron
        Introduction to current state of governance and future policy precautions (e.g., the “resource curse”)

11.45    Jennifer Warren
        Corporate perspective on domestic and international regulatory and associated policy strategies

13.00 – 13.15 Wrap up moderated by Friedrich Wellmer
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Haus B, Kiel
27-28 Nov 2014

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