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

Workshop:
Offshore Oil and Gas: the New Frontiers

Trondheim, Norway
25-26 June 2014
**In a nutshell**

As part of OECD project *The Future of the Ocean Economy*, this workshop was to conduct a forward looking assessment of the offshore oil and gas industry to 2030 and beyond, with a particular emphasis on the emerging developments: their potential, the progress in innovation required to ensure their materialization in a sustainable way, the risks associated with them, in particular environmental, operational and climate related, and finally the need for a regulatory response, especially in terms of international institutional framework.

The workshop met in Trondheim on 25th and 26th of June 2014 and participants included a mix of international experts, and specialists from OECD, from Statoil (host of the meeting) and from the sponsors, the Research Council of Norway and Kongsberg.

Amongst the topics covered were:

- Offshore oil and gas industry: recent trends and objects for 2030
- Future requirements and developments in science and technology for deep-water and Arctic O&G and non-conventional hydrocarbons
- Assessing the risks (in particular environmental, operational and climate related)
- The need for regulatory response, especially in terms of international institutional framework.

**Lead Expert:**

*Antoine Borelli*

*Bora Développement*

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Agenda
Co-chairs: Torgeir Edvardsen and Antoine Borelli

Wednesday, 25 June 2014 (Statoil Research Centre, Rotvoll, Trondheim)
12.30 Arrival and welcome by Per Gerhard Grini (host) and Barrie Stevens (OECD)
Brief round table introductions by participants

14.15 1. Opening and introduction by Torgeir Edvardsen (OECD)
Objectives of the meeting
Overview of the Future of the Ocean Economy Project

14.30 2. Lead expert introduction by Antoine Borelli
Presentation, followed by discussions

15.45 3. Future requirements and developments in science and technology for deep-water and Arctic oil and gas and non-conventional hydrocarbons by André Cordeiro, Petrobras, Brazil
Introductory presentation, followed by roundtable discussion

17.45 Wrap up for day
18.00 End of first day

Thursday, 26 June 2014 (Rica Nidelven Hotel, Trondheim)
9.00 Brief remarks on previous day’s proceedings (Antoine Borelli)

4. Assessing the risks - in particular environmental, operational and climate related by Dan McConnell, Fugro Geotechnical Division, USA
Introductory presentation, followed by roundtable discussion

10.45 Coffee break

11.15 5. The need for regulatory response, especially in terms of international institutional framework by Olof Lindén, World Maritime University, Sweden
Introductory presentation, followed by roundtable discussion

12.45 Workshop wrap up
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Final List of Participants

Co Chairs: Antoine Borelli, Torgeir Edvardsen

Marianne Haavardsholm Aandahl
Senior Adviser/Programme Co-ordinator, Department for Petroleum Research
The Research Council of Norway
Norway

Christina I. M. Abildgaard
Director, Department for Marine Bioresources and Environmental Research
Division for Energy, Resources and the Environment
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Antoine J. Borelli
Directeur Associé- Managing Partner
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André Cordeiro
Gerente Executivo
CENPES, PETROBAS
Brazil

Vidar Furuholtt
Exploration Advisor Multi-client
EMGS ASA
Norway

Pål Gabrielsen
Principal Geophysicist
EMGS ASA
Norway
Per Gerhard Grini  
Manager, Petroleum Research  
Statoil  
Norway

Mathias Horstman  
Domain Petrophysicist  
Scandinavia Schlumberger Drilling & Measurements  
Norway

Mona Låte  
Leader, Environmental Research  
Statoil  
Norway

Olof Lindén  
Director of Research & PhD Program  
World Maritime University, Malmö  
Sweden

Dan McConnell  
BDT Director (Americas), Large Projects and Initiatives  
Fugro Geotechnical Division  
USA

May Britt Myhr  
Vice President, Strategy Oil and Gas  
SINTEF  
Norway

Christian Pauchon  
Petroleum Architect  
Total  
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Laura Recuero Virto  
Chef de pôle  
Analyse économique et globalisation  
Ministère des affaires étrangères  
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Jon Stærkbye  
Software & Services  
Kongsberg Oil & Gas Technologies  
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Senior Manager  
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