

# Welcome to the World Energy Council's Conference on the transformation of the North Sea

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## We are proud to present our moderator Jan Douwe Kroeske

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# Safety Instructions

## Program of the Conference

12:30 – 13:00	<b>Coffee and registration</b>
13:00 – 13:15	<b>Opening speech</b> <i>Jeroen van Hoof, Chair of World Energy Council the Netherlands, Energy Industry Leader PwC</i>
13:15 – 13:30	<b>Keynote: Energy transition perspective from the European Commission</b> <i>Christopher Jones, Deputy Director General of DG Energy, the European Commission</i>
13.30 – 13.50	<b>Keynote: Energy transition perspective of E.ON: Politics vs Business</b> <i>Dr. –Ing. Leonhard Birnbaum, Member of the Board of Management of E.ON, Chairman of the World Energy Council Europe</i>
13:50 – 14:05	<b>Keynote: Energy transition perspective of an Economist</b> <i>Professor Dieter Helm of Energy Policy at the University of Oxford</i>
14:05 – 14:15	<b>Short break</b>
14:15 – 15:45	<b>Break-out sessions</b>
15:45 – 16:15	<b>Coffee break</b>
16:15 – 17:15	<b>Panel Discussion</b>
17:15 – 17:30	<b>Closing remarks</b> <i>Jeroen van Hoof, Chair of World Energy Council the Netherlands, Energy Industry Leader PwC</i>
17:30	<b>Networking drinks</b>

## Program of the Conference (continued)

### Break-out sessions

14:15 – 15:00

#### **Decommissioning Optimization**

*Berend Scheffers – EBN*

*Eric Kreft – EBN*

#### **Efficient Wind Energy**

*Hans Cleijne – DNV GL*

*Donald Kreiken – TenneT*

15:00 – 15:45

#### **Prolonging life and re-purpose of Oil and Gas Assets**

*Ewald Breunesse – Shell*

*René Peters – TNO*

#### **Maritime Synergies and Spatial Planning**

*Leo de Vrees - Rijkswaterstaat*

*Peter Reffeltrath – ECN*

*Jaap van Hal – ECN*

### Panel Discussion

- **Bernard Fortuyn**, Member of the Management Board, **Siemens NV**, Member of the Supervisory Board, **ECN**
- **Ditlev Engel**, CEO, **DNV GL Energy**
- Dr. –Ing. **Leonhard Birnbaum**, Member of the Board of Management, **E.ON**
- **Jan Willem van Hoogstraten**, CEO, **EBN B.V**
- **Marjan van Loon**, President Director, **Shell Netherlands**
- **Jan Willem Velthuisen**, Chief Economist, **PwC Netherlands**

# Opening speech

*Jeroen van Hoof, Chair of World Energy Council the Netherlands, Energy Industry Leader PwC*



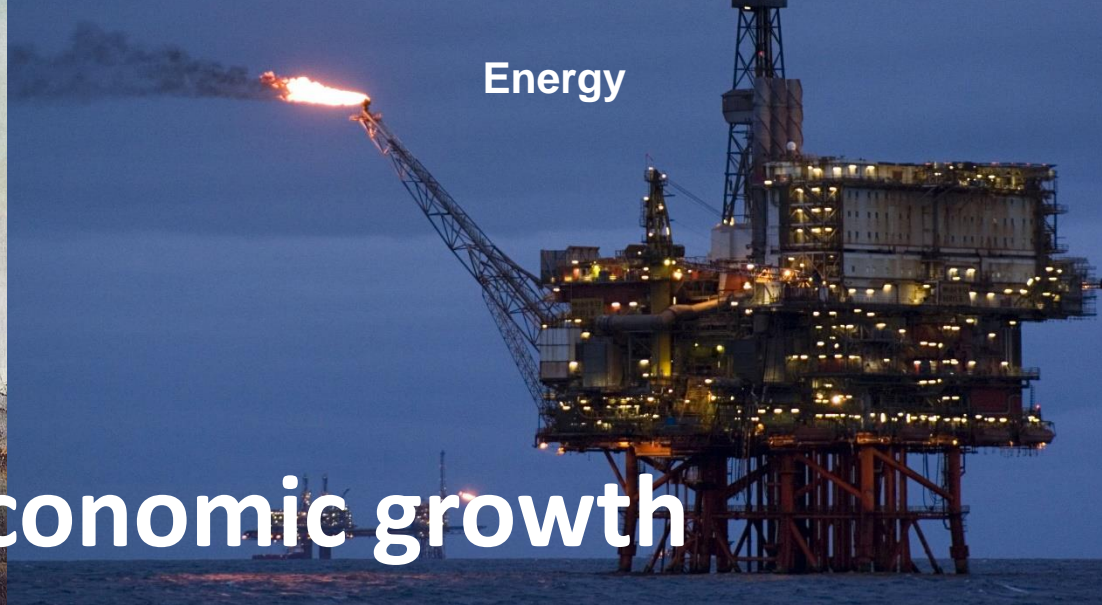
# A source of inspiration



**Geopolitical and military affairs**



**Energy**



# A source of economic growth

**Fisheries**



**Transportation and shipping lanes**



**Recreation**



**Sand extraction**





# Value can be created when governments, sectors and companies cooperate and coordinate their activities in the North Sea

## Coordination and cooperation

### Governments



### Sectors

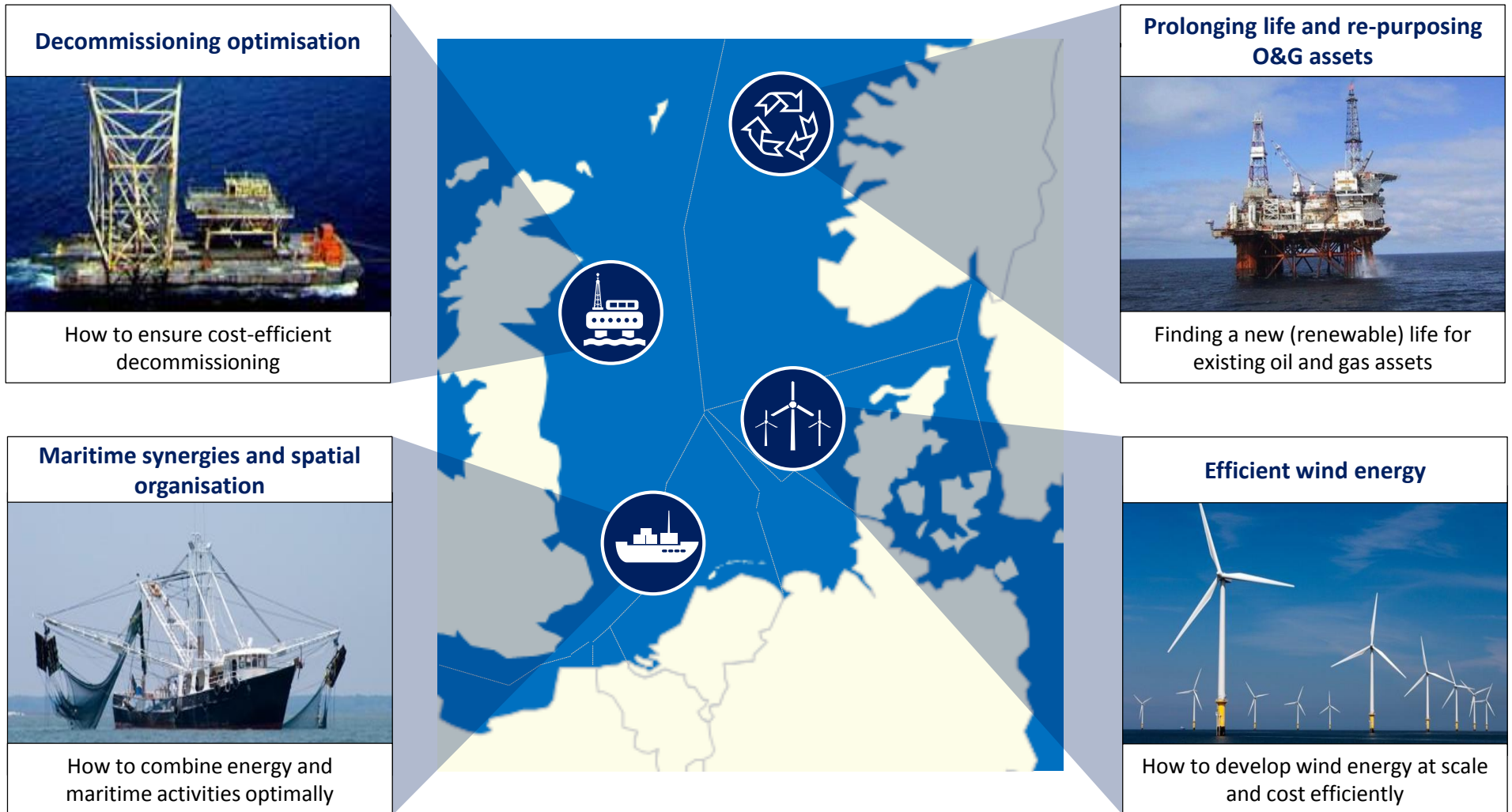


### Companies



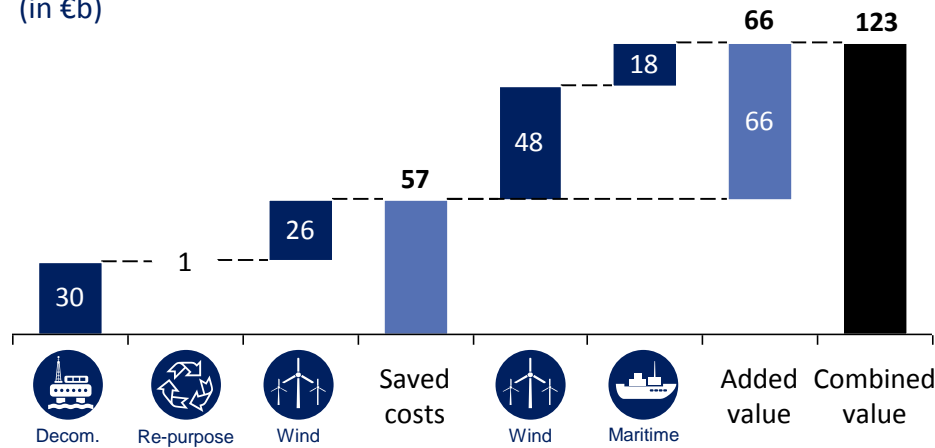
## Value pools

# Taking a closer look at four value pools of the North Sea

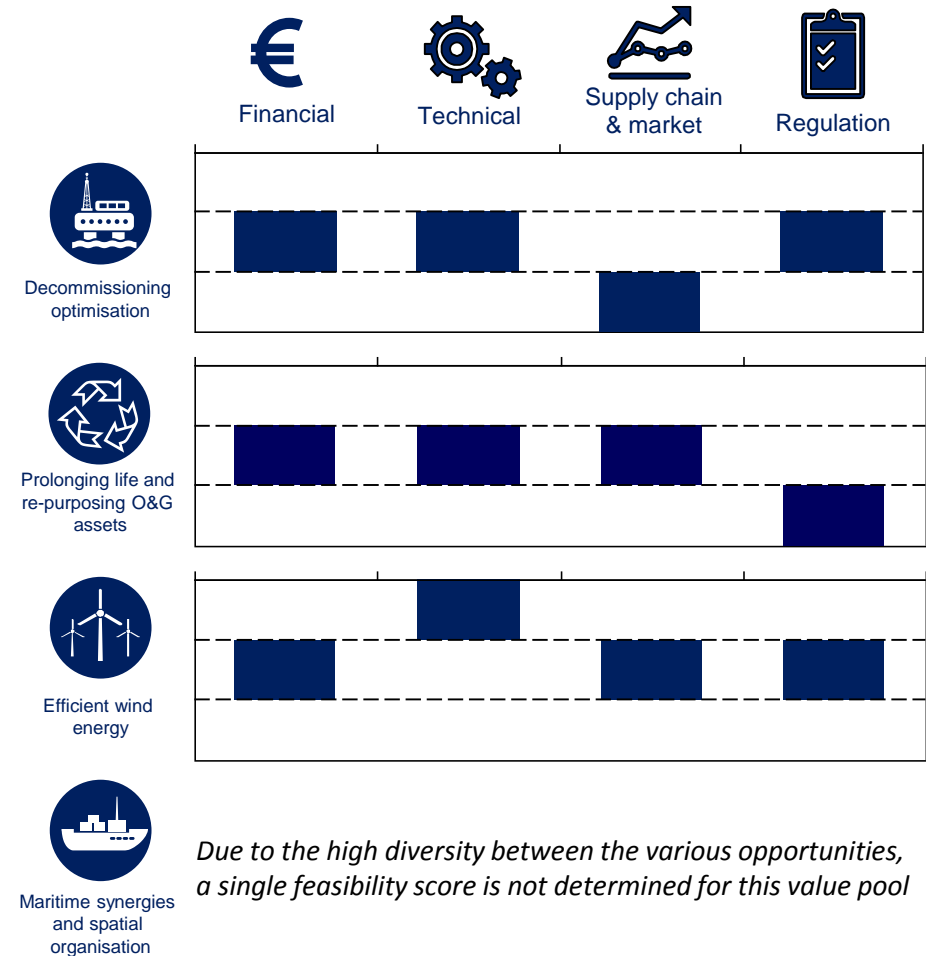


# Our preliminary results show that substantial value can be unlocked by cooperation and coordination

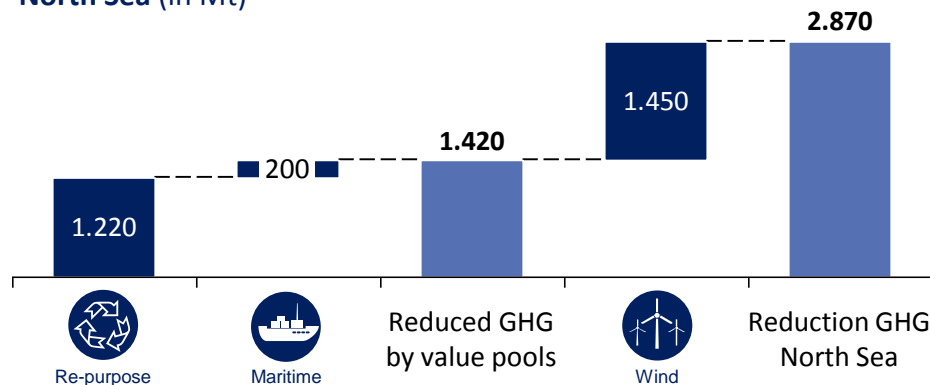
**Total estimated value due to synergy utilisation in the North Sea**  
(in €b)



**Feasibility score of the different value pools**



**Total estimated GHG avoidance due to synergy-utilisation in the North Sea** (in Mt)



## We are proud to introduce three eminent keynote speakers, from the public and private sector as well as academia

### Christopher Jones



- **Deputy Director General of DG ENER of the European Commission**
- Visiting Professor of Energy Law, College of Europe, Bruges, Belgium
- Member of Editorial Board, European Energy Journal
- Member of the Editorial Board European Networks Law and Regulation Quarterly.
- Numerous publications of books and articles on various aspects of EC Energy Market, Competition Law and State Aid

### Dr. -Ing. Leonhard Birnbaum



- **Chief Operating Officer – Networks & Renewables**
- Member of the Board of Management of E.ON SE
- Chairman of the World Energy Council Europe
- Supervisory board seats:
  - E.ON Czech Holding AG (Chairman)
  - E.ON Hungaria Zrt. (Chairman)
  - E.ON Sverige AB (Chairman)
  - Georgsmarinehütte Holding GmbH

### Professor Dieter Helm



- **Professor of Energy Policy at the University of Oxford**
- Fellow in Economics at New College, Oxford
- Professorial Research Fellow of the Smith School of Enterprise and the Environment
- Independent Chair of the Natural Capital Committee
- Associate Editor of the Oxford Review of Economic Policy
- Author of among others:
  - The Carbon crunch: Revised and Updated
  - Natural Capital: Valuing the Planet

# Energy transition perspective from the European Commission

*Christopher Jones, Deputy Director General,  
DG ENER of the European Commission*

# Energy transition perspective of E.ON: Politics vs Business

*Dr. Ing. Leonhard Birnbaum, Board of Management,  
E.ON*

# Energy transition perspective of an economist

*Prof. Dieter Helm, University of Oxford*

# Break-out sessions



# Panel Discussion

## Panel members



**Bernard Fortuyn**  
Siemens NV  
Member of the Management Board



**Ditlev Engel**  
DNV GL Energy  
CEO



**Dr. -Ing. Leonhard Birnbaum**  
E.ON  
Member of the Board of Management



**Jan Willem van Hoogstraten**  
EBN B.V  
CEO



**Marjan van Loon**  
Shell Netherlands  
President Director



**Jan Willem Velthuisen**  
PwC Europe  
Chief Economist

# Closing remarks

*Jeroen van Hoof, Chair of World Energy Council the Netherlands, Energy Industry Leader PwC*

## First practical next steps to unlock the value pools

- A shared vision for the energy transformation in the North Sea by governments, industries and organisations
- Governments, industries and organisations should invest in researching synergies in the North Sea
- Stakeholders should organise an annual international North Sea conference to drive change
- Market players should share knowledge of business cases
- The EU facilitate invest in offshore projects within the EU Interreg Programme in order to develop cross-border cooperation (Negotiations for the next funding cycle 2020-2027 will start shortly)
- Explore opportunities for funding through the European Fund for Strategic Investments (EFSI) managed by the European Investment Bank (EIB)

Room to add conclusions from the seminar during the day

# The WEC Netherlands will publish a report on the value pools in the North Sea in close cooperation with WEC international

