



EIGHTH INTERNATIONAL FORUM ON  
ENERGY FOR SUSTAINABLE DEVELOPMENT

# MODERNIZING THE ENERGY INDUSTRY

Track III

12-14 June 2017

Programme



Government of the Republic  
of Kazakhstan



UNITED NATIONS

ECA  
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# Modernization of the Energy Sector a Pathway towards Low-Carbon Energy and Green Economy

14:00-15:30 hrs, 14 June 2017

**Panel Discussion**





## Modernization of the Energy Sector a Pathway towards Low-Carbon Energy and Green Economy

14:00-14:50 hrs, 14 June 2017

**Panel Discussion**

❖ Moderator

Mr. Raymond C. Pilcher, Chair, UNECE Group of Experts on CMM

❖ Panellists

Mr. Bekbergen Kerey,

Deputy Director, Department for International Cooperation and Economic Integration, Ministry of Energy of the Republic of Kazakhstan

Mr. David G. MacDonald,

BP and Chair, UNECE Expert Group on Resource Classification

Mr. Aleksandar Dukovski,

Chair, UNECE Group of Experts on Energy Efficiency



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14:00-14:50 hrs, 14 June 2017

**Panel Discussion**

### ❖ Panellists

Mr. Nazir Ramazanov, Chair, UNECE Group of Experts on Renewable Energy

Mr. Torstein Indrebø, Vice-Chair, UNECE Group of Experts on Gas

Mr. Sergey Katyshev,

Vice-Chair, UNECE Group of Experts on Cleaner Electricity Production

Mr. Sigurd Heiberg, Former Chair, UNECE Committee on Sustainable Energy

Mr. Morozov Sergey,

Specialist: Operational Improvements, ArcelorMittal Temirtau

Mr. Richard Mattus, Specialist, UNECE



## Modernization of the Energy Sector a Pathway towards Low-Carbon Energy and Green Economy

14:50-15:30 hrs, 14 June 2017

Panel Discussion

### ❖ Open Discussion and Closing Statements

- What can and should be done in order to transform the old, inefficient, and heavily polluting industrial sites into full-fledged efficient components of a modern low-carbon economy?
- Large integrated industrial complexes exist as a part of an industrial ecosystem. How can the UNFC be used to provide guidance for sustainable extraction and use of natural resources within these manmade ecosystems?
- How can the availability of natural gas as well as coalbed methane, coal mine methane, and VAM, play a role in changing way in which energy is provided and consumed at these industrial sites?
- Increasing energy efficiency at these industrial sites will help improve energy consumption and reduce pollution, but how will it also lead to increasing the competitiveness of these industrial complexes?
- Renewable energy resources could have a role in reshaping the energy future of these industrial sites. How can renewable energy could be incorporated into planning the re-industrialization of these sites?
- Redevelopment of these industrial site will require huge financial resources. Can a case be made to the finance community that these multi-year projects will be produce a return on investment?