

XII International Scientific Conference
ENERGETIKA XXI: Economy, Policy, Ecology

“Global Energy Opportunities and Geopolitical Risks”

13-15 November 2019
Saint Petersburg

13th November 2019
Wednesday

Venue: Courtyard Marriott Hotel, 166 Griboedov's Canal, via 33 Kanonerskaya Street,
Saint Petersburg

Pre - Conference Workshop on “Ways to decarbonize the energy sector in time”

9.30 Registration

10.30 – 12.00 Join Session Workshop/ Young Researchers Seminar

Co-Chairs: James Ball, Tachebois Ltd.; Stanislav Babich, UNECON

- *Results of Pöyry Study*, Alex Barnes, Independent Gas Market Expert
- *Hydrogen in Russia: Current State and New Opportunities*, Yuriy Melnikov, Energy Centre, Moscow School of Management SKOLKOVO
- *The Future of Decarbonized Reality. New Approaches in Specialist-Analyst Training*, Stanislav Babich, UNECON; Aleksey Emelyanov, Gazprom export

12.00 – 13.30 Lunch

13.30 – 18.00 Young Researchers’ Seminar

(16.00 – 16.30 Coffee break)

Co-Chairs: James Ball, Tachebois Ltd.; Stanislav Babich, UNECON

Presentations of max 5 minutes to initiate discussion

- Irina Mironova, European University at St. Petersburg

- Jack Sharples, Oxford Institute for Energy Studies
- Daria Chernenko, UNECON
- Veronika Lenivova, Brandenburg University of Technology
- Sofia Kocharova, Gazprom export/Eugeniy Koloshkin, UNECON
- Arina Bogdanova, UNECON
- Aleksey Gnatuyk, Gazprom export
- Eugenia Pystina, Gazprom VNIIGAZ

13.30 – 18.00 Pre-Seminar Workshop

Session 1: Basic Approaches

Co-Chairs: Peter Klingenberger, Independent Expert;

- *Decarbonisation of Natural gas*, Mark James, Berkeley Research Group
- **Negative Emission Technology (NET) – How NET can help to achieve the 1.5°C target**, Sebastian Lübbers, Prognos AG
- *Power to Gas - Key to an ambitious energy transition*, Susanne Fabry, E.ON SE
- *Molecules vs Electrons; where are we headed?*, Leon Stille, Energy Delta Institute

Session 2: Decarbonization / Hydrogen and Infrastructure

(16.00 – 16.30 Coffee break)

Co-Chairs: Michael Kranhold, 50Hertz Transmission GmbH

- *Decarbonisation Efforts in the German network development planning*, Götz Thilo Müller von der Grün, GASCADE Gastransport GmbH
- *What location for De-carbonization along the chain?*, Ralf Dickel, Independent Expert
- *Impact of Decarbonization on Infrastructure Planning*, Cihan Soenmez, ENTSOG
- *Sector Coupling – a view from a German TSO*, Michael Kranhold, 50Hertz Transmission GmbH

Session 3: What is needed to decarbonize mobility?

Co-Chairs: Vasily Zinin, Gazprom

- *E-mobility, infrastructure*, Jörg Blaurock, 3Energie Consulting
- *Toyota's FCEV Development & Hydrogen activities in Japan*, Nobuyuki Orihashi, Toyota Motor Corporation
- *Russian NGV market development initiative*, Vasily Zinin, Gazprom
- *Market of Heavy Ground Transportation in central and southeast Europe*, Alisa Sergayeva, Russian State Gubkin Oil & Gas University
- *LNG distribution along the Rhine and Danube rivers*, Andrey Haug, Russian State Gubkin Oil & Gas University

18.00 Welcoming cocktail

14th November 2019

Thursday

Day 1: Open Discussion on Recent Developments of Energy Markets

9.00 – 10.00 Registration

10.00 – 10.15 Welcoming remarks

- Welcoming speech of the Rector of St. Petersburg State University of Economics (UNECON) prof. **Igor Maksimtsev**

10.15 – 13.30 Plenary Session

Chair: Dmitry Vasilenko, Vice-rector for International Relations, UNECON

- *Current Trends in Gas Markets*, Aleksey Semenov, Gazprom
- *Recent Gas Price Development*, Sergey Komlev, Gazprom export
- *Global Gas and LNG Outlook*, James Henderson, Oxford Institute for Energy Studies

11.30 – 12.00 Coffee break

- *Global decarbonization: Challenges and Options*, Manfred Hafner, Johns Hopkins University
- *The Environmental Situation and Countermeasures in China*, Du Pengfei, School of Environment, Tsinghua University

13.30 – 14.30 Lunch

14.30 – 18.00 Parallel Work streams (coffee break – 16.30-17.00)

WS1: Macro Energy Trends

Co-chairs: Zuzanna Nowak, ZNRG; Alexey Belogoryev, Fund “Institute for Energy and Finance”

- *Geopolitical Aspects of Russian Gas Diplomacy*, Valeriy Salygin, Igbal Guliev, MGIMO
- *Opportunities and Constraints for Gas in the European coal phase-out*, Johannes Truby, Economic Advisory, Energy & Regulation, Deloitte
- *Assessment of the Carbon Footprint of Various Natural Gas Transport Routes and Methods*, Eugenia Pystina, Gazprom VNIIGAZ
- *An Update on the Polish Gas Market Developments*, Zuzanna Nowak, ZNRG
- *EC’s Projects of Common Interest in Natural Gas Sector: Effective tool or useless list*, Martin Jirusek, Department of IR and European Studies, Masaryk University
- *Prospects of Demand for Hydrocarbons in China and Possible Ways of Eurasian Energy Integration*, Alexey Belogoryev, Fund “Institute for Energy and Finance”
- *Energy market of Asia-Pacific Region within Resource and Energy Diversification*, Aleksey Gnatuyk, Gazprom export
- *Development of Rare Earth Metal Markets within Growing Demand for Alternative Energy*, Natalia Ivanova, MGIMO

WS2: Russian gas exports to the EU and its competitors

Co-chairs: Jack Sharples, Oxford Institute for Energy Studies; Natalia Sarakhanova, UNECON

- *Status, Challenges of Renewables in Ukraine*, Georg Zachmann, Bruegel

- ***Ukraine: gas transit and the domestic market***, Simon Pirani, Oxford Institute for Energy Studies
- ***Impacts of Nord Stream 2***, Alex Barnes, Independent Gas Market Expert
- ***SEE Pipelines***, Michael Sipos, Independent Expert
- ***Ukraine Transit and Competition in the European Gas Market: paradox***, Alexey Grivach, National Energy Security Fund
- ***Utilisation of Export Routes for Russian Gas***, Jack Sharples, Oxford Institute for Energy Studies
- ***Short term implications for EU gas market of stop of Ukrainian transit***, Simon Schulte, EWI, University of Cologne
- ***Changes in Russian Transit Gas Flows in 2020 and Beyond***, Vitaly Yermakov, Oxford Institute for Energy Studies

WS3: What are the economics of sustainability and how to finance it? (in partnership with European University at St. Petersburg – EUSP)

Co-chairs: Ralf Dickel, Independent Expert; Olga Teplova, Research Center, ENERPO, EUSP/UNECON

- ***Decarbonization: feasible but not for free***, Ralf Dickel, Independent Expert
- ***Decarbonization, Hydrogen and Infrastructure***, Gökce Mete, International Energy Charter
- ***Roadmap on the Way to a Green Hydrogen Economy***, Jens Haubrock, Bielefeld University of Applied Sciences
- ***Economic Aspects of Sustainable Energy Development in the Russian Federation***, Grigoriy Yulkin, International Sustainable Energy Development Centre under the auspices of UNESCO
- ***Green Finance and National projects in Russia: How to raise Financing?***, Svetlana Bik, Concessionaires and long-term infrastructure investors National Association (Co LTI)
- ***Financing Renewable Energy Projects in Remote and Isolated Areas of Russia: the Role of Development Banks***, Anna Lvova, Head of International Relations and Communication Department, International Investment Bank
- ***CO₂ Tax or Certificates – Only a Matter of Pricing ?***, Claus Bergschneider, CBC consulting & engineering GmbH

- *The Task Force on Climate-related Financial Disclosures (TCFD): pilot project in Russia*, Maksim Titov, Research Center, ENERPO; Olga Teplova, Research Center, ENERPO/ UNECON
- *Energy Efficiency in Romania Schools: Results from Impact Evaluation of Infrastructure Investments*, Monica Roman, Bucharest University of Economic Studies

18.00 – 19.00 Wrap up Session by session chairs and special rapporteur Andrey Konoplyanik, Russian State Gubkin Oil & Gas University

19.00 Reception

15th November, Friday

Day 2: Interactive discussions under Chatham House rules

10.00 – 11.30 Young Researchers' discussion

Chair: James Ball, Tachebois Ltd.

Friday for Future: answers to questions raised on Wednesday

11.30 – 13.30 Round tables

Round table 1: The future for the Ukrainian energy sector

Chair: Marc-Antoine Eyl-Mazzega, IFRI

Russian export pipelines via Ukraine: current state and perspectives, Conversation with Yuri Zaitsev, Independent Expert

- Georg Zachmann, Bruegel
- Simon Pirani, Oxford Institute for Energy Studies
- Alexey Belogoriev, Fund “Institute for Energy and Finance”

Round table 2: Geopolitics; will the move towards a low carbon world make any difference? (**Lunch 13.30 – 14.30**)

Chair: Petter Nore, Nord University

- Igbal Guliev, International Institute of Energy Policy and Diplomacy MGIMO
- Alexey Grivach, National Energy Security Fund
- Grigoriy Yulkin, International Sustainable Energy Development Centre
- Grigoriy Yarygin, Saint Petersburg State University

12.00 – 18.00 Discussion Seminar for Master Degree and PhD Students
«Baltic Energy: Challenges and Trends»

Chair: Dmitry Vasilenko, UNECON

- The current and long-term trends of the Baltic energy markets
- The Current Situation in the European Natural Gas Market.

13.30 – 14.30 Lunch

- Security of energy supply in the Baltic states within the geographical and political framework
- Export of Russian gas to the EU: the EU-Russia energy cooperation

16.30 – 17.00 Coffee break

18.00 Closing Remarks by Dmitry Vasilenko, UNECON