

Agenda of the Clean Fuels Day

12 December 2018



COP24·KATOWICE 2018
UNITED NATIONS CLIMATE CHANGE CONFERENCE

Lubelskie Climate Action Room 3, Area A

1. 09.00-12.00 Towards Hydrogen Societies (*Ministry of Foreign Affairs, Ministry of Energy, UNIDO*)
 - 09.00-09.05 Opening Remarks – Mr. Tareq Emtairah - UNIDO, Director of the Department of Energy
 - **Moderator** - Mr. Piotr Kociński - Vice-Chairman, Lotos Lab
 - 09.05-10.30 Session 1 Panelist Insights: Hydrogen experts representing various sectors of the industry will give their respective insights on what entails a hydrogen society.
 - Dr. Daishu Hara - Director, Advanced Battery and Hydrogen Technology Department
 - Prof. Tadeusz Uhl - AGH University of Science and Technology
 - Dr. Geert Tjarks - NOW GmbH, Head of Division International Cooperation
 - Mr. Jasper Themsen - Ballard Power Systems Europe, CEO & President
 - Mr. Karol Zarajczyk - Chairman of the Board, President of URSUS S.A.
 - Mr. Michael Losch - Director General for Energy and Mining in the Austrian Federal Ministry for Sustainability and Tourism
 - Mr. Eric Sebellin - Director, markets and Strategy Hydrogen Energy World Business unit, Air Liquide
 - Mr. Federico Villatico Campbell - Climate Technology Manager at the Department of Energy, UNIDO
 - Mr. Szymon Byliński – Ministry of Energy

- 10.30-10.45 Coffee Break
- 10.45-11.55 Session 2 Panel Discussion: A moderator will facilitate the panel discussion through the guiding questions to deepen as well as to clarify the dialogue as well as receiving questions from the floor.
 - Prof. Tadeusz Uhl - AGH University of Science and Technology
 - Dr. Geert Tjarks - NOW GmbH, Head of Division International Cooperation
 - Mr. David Turk - IEA, Head of the Strategic Initiatives Office
 - Mr. Jasper Themsen - Ballard Power Systems Europe, CEO&President
 - Mr. Bartosz Brzozowski - Associate Director of International Cooperation and Analysis, JSW Innowacje S.A.
 - Mr. Michael Losch - Director General for Energy and Mining in the Austrian Federal Ministry for Sustainability and Tourism
 - Mr. Eric Sebellin - Director, markets and Strategy Hydrogen Energy World Business unit, Air Liquide
- 11.55-12.00 Closing Remarks
- Closing Remarks: Mr. Szymon Byliński - Director of the Department for Innovation and Technology , Ministry of Energy; Mr. Kazimierz Karolczak - Chairman of the GZM Metropolis

Press Room Warsaw, Area B

1. 18:30-19:00 Endorsement of the Ministerial Katowice Declaration Forests for the Climate (*Ministry of Environment*)

- Moderator: Tomasz Chruszczow, High Level Climate Champion
- 18:30 – 18:40 – Opening speech, Mr .Henryk Kowalczyk, Polish Minister of the Environment
- 18:40 – 18:50 - Speech of Mrs. Paola Deda, UNECE/FAO Joint Forestry and Timber Section Chief
- 18:50 – 18:55- The screening of an animated film prepared by UNECE and State Forests
- 18:55 – 19:00 – Summary of Forest declaration –Tomasz Chruszczow
- 19:00 – Closure and family photo
- The event will be followed by a cocktail.

Polish Pavilion

1. 09.00-13.00 From Coal to Steel (JSW)

09.00 – 09.15 Opening speech: Ministry of Energy of Poland – Krzysztof Tchórzewski

09.15 – 10.30 Panel: ***From Coal to Steel***

- Presentations by:
 - Daniel Ozon, President of the Management Board, JSW S.A.
 - Dr. Uwe Boltersdorf, thyssenkrupp Industrial Solutions AG
 - Sanjay Sammadar, ArcelorMittal Poland
 - Voestalpine
 - Krzysztof Kwaśniewski PhD, AGH University of Science and Technology

○ Discussion

10.30 – 10.45 Coffee break

10.45 – 12.00 Panel: coal to chemicals

- Presentations by:
 - Fumiharu Shimamoto, Mitsubishi Heavy Industries Ltd.
 - Jorgo Chatzimarkakis, Secretary General, Hydrogen Europe
 - Daniel Ozon, President of the Management Board, JSW S.A.
 - Prof. Lothar Kroll, Fraunhofer Institute
 - Rain Carbon
 - Prof. Cristian Savaniu University of St. Andrews, AGT

○ Discussion

12.00 – 12.15 Closing remarks

12.15 – 13.00 Lunch buffet

2. 13.00-14.30 SSLNG development and LNG as a marine fuel – new solutions for the energy sector (PGNiG)

- “LNG at the sea – directions of the sector development”

- **Presentations by:** Mateusz Koszela – Specjalista ds. Bunkrowania w Departamencie CNG i LNG w PGNiG Obrót Detaliczny sp. z o.o.
- **“Development of Small Scale LNG in Poland”**
 - **Presentations by:** Robert Zajkowski – Kierownik Działu Sprzedaży w Departamencie CNG i LNG w PGNiG Obrót Detaliczny sp. z o.o.

3. 14.30-16.00 From coal to CCP (Coal Combustion by-Product) as a valuable anthropogenic minerals (Polish Coal Combustion Products Union)

- Presentations by: Polish Coal Combustion Products Union (Polska Unia Ubocznych Produktów Spalania)
- Panelists:
 - dr Pawel Mzyk, CEO The National Centre for Emissions Management KOBIZE
 - Mirosław Niewiadomski, Polish Coal Combustion Products Union
 - dr Pawel Salek, -Advisor to the President of Poland, Chancellery of the President of Poland
 - Lech Sekyra, Polish Coal Combustion Products Union
 - dr Tomasz Szczygielski, scientist, Warsaw University of Technology (Politechnika Warszawska, Instytut Badań Stosowanych)
 - Robert Zmuda, SBB Energy S.A. Business Development Director

4. 16.00-16.30 Coffee break

5. 16.30-18.00 Spare energy to tackle climate changes – how to reap experience from Polish pre-EU energy efficiency transition field (300polityka)

- **Key note speech:** Kate Brandt – Chief Sustainability Officer, Google
- **Moderator:**
 - Maryjka Szurowska – 300gospodarka
- **Panelists:**
 - Ivo W. Rangelow – University Professor, Director of Institute of Micro- and Nanoelectronics, Technical University Ilmenau
 - Szymon Liszka – President of the Board, The Polish Foundation for Energy Efficiency
 - Rita Margarido - EMEA Energy & Location Strategy, Google Cloud

- Leszek Kąsek - Senior Consultant - Economics Sustainability Energy, Deloitte Central Europe

6. 18:00-19:30 - **Prospects for the development of energy storage technologies and flexible solutions for electricity grid** (*Ministry of Energy*)

- 18.00-18.05 - Introduction of ME (Director DE, Waldemar Łagoda)
- Part 1. Cooperation of conventional energy sources and renewable energy sources - Flexibility of the power plant
 - 18.05-18.35 Presentation by PKEE (Kazimierz Szynol, President)
- Part 2. Implementation of Online Special Protection Scheme (SPS) and construction of Hybrid Battery Energy Storage System (BESS) as a part of Smart Grid demonstration project with the involvement of Polish and Japanese companies.
 - 18.35-18.40 Introduction of NEDO's organization, mission, technology development fields, and smart community demonstration projects around the world. (Takashi Omote, Executive Director, NEDO)
 - 18.40-18.55 Polish demonstration summary and expectations for this demonstration project (Łukasz Szczepaniak, project manager, PSE)
 - 18.55-19.00 Battery Energy Storage System - As a part of Polish-Japanese partnership in the field of On-line Special Protection Scheme (EW: Director DE – Anna Dutkowska and Sebastian Kowalczyk project manager)
 - 19.00-19.05 How to solve the problems for the grid due to the expanded introduction of wind power generation and how to contribute to CO2 reduction (Hiroshi Tanso, Senior Engineer, HITACHI)
- Part 3
 - 19.05-19.20 Q&A
 - 19.20-19.23 Conclusion by NEDO (Takashi Omote),
 - 19.23-19.26 Conclusion ME (Waldemar Łagoda)