

International Gas Union and PGNiG

# EVENT AT COP 19

November 17, 2013 in Warsaw, Poland

## “ Development of Clean Energies: need for an unprecedented Scale of Innovation ”

### AGENDA

Climate change is one of the key challenges of this century while energy-related emissions account for almost ¾ of the CO<sub>2</sub> emissions in the world. This poses a serious dilemma that can only be reconciled with new and improved clean energy technologies that balance climate change mitigation and increased energy need. Developing low-carbon energies and improvement of energy efficiency represent an immense potential for emissions reduction.

Widespread adoptions of the low-carbon technologies that will revolutionize the whole world need an unprecedented scale of innovation.

Apart from renewable energy sources and technologies to improve energy efficiency, advanced solutions based on low-carbon technologies include: the use of decarbonized coal, ultra-efficient gas-fired power plants including co-generation, and use of fuel cells, cellulosic biomass and biofuels, as well as carbon sequestration.

Sustainable energy has to be accessible for all while also ensuring that it is provided in an efficient manner and do not cause adverse environmental and socio-economic impacts. It has to be the “transformation of the world’s energy systems that will benefit people everywhere”, according to the UN’s Secretary General Ban Ki-moon.

One of the IGU priorities is contributing to technology and know-how transfer. By opening the floor to this debate IGU aspires for new ideas to sprout for the benefit of the world energy community.

November 17, 2013  
Warsaw, Poland

### Gas Museum

Marcina Kasprzaka street, 25  
Téléphone: +48 22 691 85 23

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### PROGRAMME:

#### Gas Museum, November 17, 2013 Warsaw, Poland

Moderator: Torstein Indrebø, IGU Secretary General

14:14:15 Opening by the IGU President Jérôme Ferrier and the Minister of Energy, Poland (tbc)

#### Panel discussion 1:

Supporting innovation in low-carbon technologies.

- Role of Governments and cooperation public/private, Małgorzata Szymanska, Director of Oil and Gas Department, Minister of Energy, Poland
- Development of Clean Energies - Gas from unconventional deposits: an opportunity for sustainable economic development, Jerzy Kurella, Vice-President of Management Board, acting CEO of PGNiG
- TCM's key achievements in progressing carbon capture globally, Vegar Stokset, Head of Communications, (TCM)
- Promoting large scale low-carbon technology transfer and deployment (tbc)
- Overcoming barriers for the new clean technologies development, Arne Eik, Leading Advisor Climate Change, Statoil

15:30-16:00 Coffee break

#### Panel discussion 2:

Gas-based power generation contributing to reliable, efficient, competitive and clean energy fueling economic growth.

- Introduction of innovative gas-related technologies for improving energy efficiency, Gérard Moutet, Vice President Climate, Energy, Sustainable Development and Environment, Total
- Role of gas in enhancing energy efficiency, Gerald Linke, Vice President Mid-Size Projects, EON
- Natural gas and climate change, Philippe Benoit, Head of Energy Efficiency and Environment Division, IEA
- Gas supporting Social and Economic Development and improving Access to Energy, Ksenia Gladkova, Senior Advisor, IGU
- Environmental protection during shale gas exploration - country case Poland - lesson for Europe, PGNiG (tbc)

17:30-19:00 Buffet reception

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