

Global Methane Initiative POLAND Activity Update

Zbigniew Kamieński
Ministry of Economy, Poland

Poland in the Global Methane Initiative

- Poland joined the Methane to Markets Partnership in 2007
- The representatives of the country are involved in every Subcommittee (agriculture, coal, landfill, oil&gas)

Agriculture

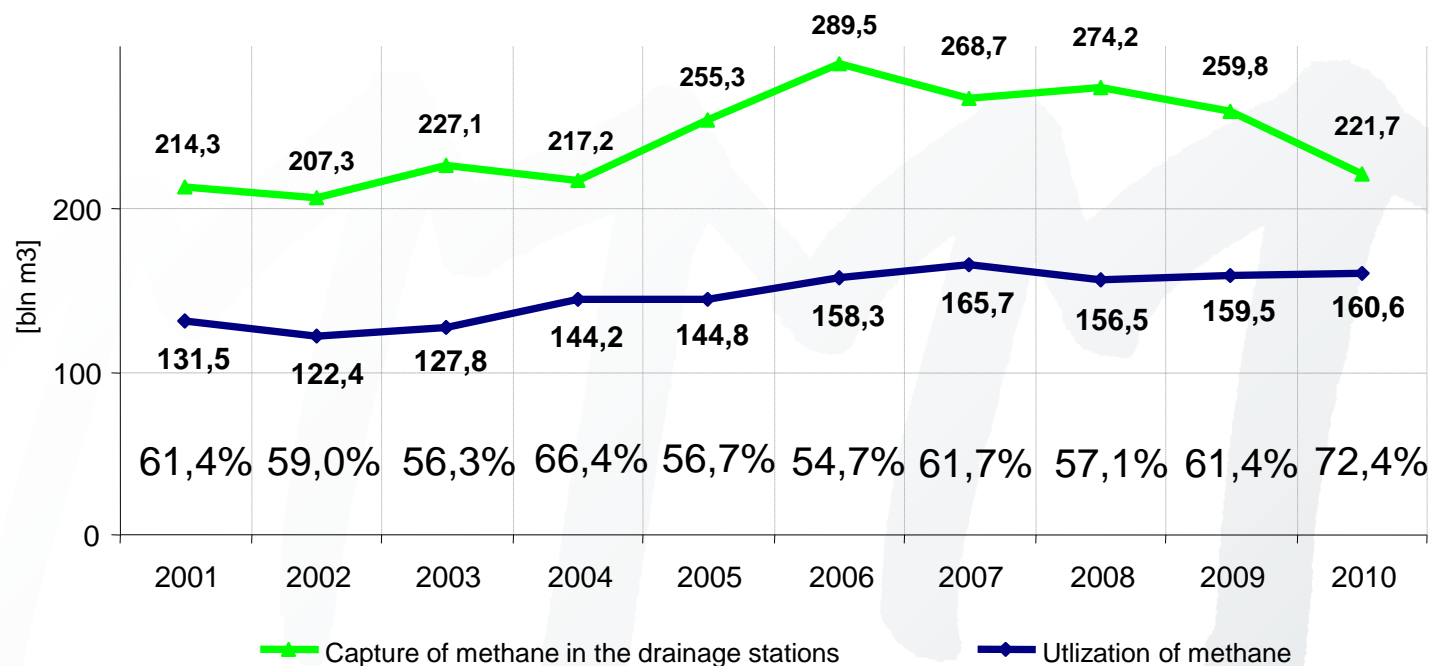
- In agriculture sector, there is a large energy potential which is not fully used
- For energy purposes it can be used up to 2 million ha of agricultural land without risk to the food market
- Poland expects to build by 2020 about 2000 biogas plants, which will produce biogas, with a total capacity of 2-3 thousand MW
- Huge potential from waste management and energy crops
- Poland is still ahead of the livestock methane issues

Coal Subcommittee

- Methane in Poland is mainly recovered as an accompanying mineral when extracting hard coal
- Occurrence of methane in underground mining plants is recognized as a big problem from the labor safety point of view and impact on the environment

Coal Subcommittee

Utilization of methane captured during hard coal exploitation in Polish hard coal mining in the years 2001 - 2010



Coal Subcommittee

Projects

- **07.2008 – 08.2010 Detailed Characteristics of the Ventilation Air Methane Emissions from Ten Gassy Underground Coal Mines in Poland**
- **Ongoing: A first feasibility study for cost effective methane degassing and capture ahead of mining operations to reduce methane emissions in Poland during mining**

Landfill

- In Poland methane is used for energy purposes only in big landfills
- On small and medium landfills where energy project is not profitable landfill gas is unproductively burned on the flares

Landfill

Projects

- **09.2008 – 11.2009 Landfill gas in Poland: Energy Capability and awareness of the capability using**
- **09.2009 – 12.2010 The best and the most effective technologies of LFG utilization – handbook, training and capacity building**
- **07.2011 – 12.2012 Pre-feasibility study as a milestone in decision process. Creating of computer support system for economic assessment of LFG projects**

Oil&Gas

- The main actions aiming at the methane reduction in Poland are modernization of existing transmission infrastructure, periodic verification of emission factor, use of modern methods for detecting emissions from the transmission system
- Currently, Polish authorities work on a national inventory of methane emissions

**Thank you for your
attention !**

Zbigniew Kamieński
zbigniew.kamienski@mg.gov.pl