18th International Conference on Heavy Metals in the Environment

12 to 15 September 2016, Ghent, Belgium

CONTROL OF METALS FROM ENERGY AND INDUSTRIAL SOURCES

Jozef M. Pacyna, Elisabeth G. Pacyna, Kyrre Sundseth and Rebecca Thorne

NILU - Norwegian Institute for Air Research, Kjeller, Norway

Abstract

A global assessment of heavy metal emissions from major anthropogenic sources to the atmosphere will be presented. Technological (e.g. BAT, increased production efficiency) and non-technological (e.g. BEP at a company and national level) measures will be presented focusing on efficiency of emission control, its cost and potential benefits for the environment and human health. Examples of the implementation of these measures will be provided from studies carried out in China and Poland. Recommendations for future development of control measures within the most important industrial sectors will be defined.