



Air Quality Modelling in Support of Policy Regulations

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A Canadian multiple-pollutant regional air-quality model AURAMS (A Unified Regional Air-quality Modeling System), with size- and chemical-composition-resolved aerosols, has been used to study different national and transboundary policy regulations. The Air Quality Modelling and Application Division (AQMAD) is currently investigating several policy scenarios which are aimed in investigating the impact of emissions reduction from different sectors such as: marine transportation, agriculture, electric power generation, etc. Some additional scenarios are also currently underway to study the effects of potential climate changes on air pollution. This presentation will report on the air quality results obtained under different emission scenarios in support of Canadian policy regulations. The objective is to analyse the impact of potential regulations on the air quality in Canada.