Program	**Program Sectorial, contract 38/25.09.2007**
Project title (ENG):	**Emissions prognosis of sulfur dioxide, nitrogen oxides, volatile organic compounds and ammonia resulting from industrial activities (including energy) medium term (2010) and long term (2020)**
Project title (RO):	**Prognoza emisiilor de dioxid de sulf, oxizi de azot, compusi organici volatili si amoniac rezultate din activitati industriale (inclusiv energia) pe termen mediu (2010) si pe termen lung (2020)**
Duration	2007-2008
Team Leader	Researcher Eng. Elena Bucur
Summary (short description) ENG	The overall objective of the project was creating those instruments to allow assessment and forecast pollutant emissions from industry (sulfur dioxide, nitrogen oxides, volatile organic compounds, ammonia, which is for the project, the target group), medium term (2010) and long term (2020), as an essential element in policies to reduce the environmental impact of industrial activities in Romania. The project arose from the need for observance by Romania of the obligations under the Directive on national emission ceilings (Directive 2001/81 / EC transposed in GD 1856 of December 22, 2005) protocols Convention on transboundary air pollution over long distances (Convention LRTAP - 1979), the Geneva Convention, as the documents agreed at Aarhus and Gothenburg, all aimed at improving environmental quality and clean air for Europe, according to CAFE (clean air for Europe). The main results of the project were: - Identify sources and data structure needed foreseeable emissions of sulfur dioxide, nitrogen oxides, volatile organic compounds and ammonia; - Collecting online data required projections of SO2, NOx, VOC and NH3 - Forecasting the medium and long term emission target group and disseminating the results obtained
Summary (short description) RO	Obiectivul general al proiectului a reprezentat crearea acelor instrumente care sa permita evaluarea si prognoza emisiilor poluante generate de sectorul industrial (dioxid de sulf, oxizi de azot, compusi organici volatili, amoniac, care constituie pentru acest proiect, grupul ţintă), pe termen mediu(2010) si lung (2020), ca un element esential in politicile de reducere a impactului asupra mediului generat de activitatile industriale din România. Proiectul a decurs din necesitatea respectarii de catre Romania a obligatiilor asumate prin Directiva privind plafoanele nationale de emisii (Directiva 2001/81/EC, transpusa in HG 1856 din 22 Dec 2005), protocoalele Conventiei asupra poluarii atmosferice transfrontaliere pe distante lungi (Conventia LRTAP - 1979), Conventie incheiata la Geneva, ca si prin documentele convenite la Aarhus si Göteborg, toate avand drept scop imbunatatirea calitatii mediului si un aer curat pentru Europa, conform programului CAFE (Clean Air For Europe). Principalele rezultate ale proiectului au fost: - Identificarea surselor si structurii datelor necesare prognozelor emisiilor de dioxid de sulf, oxizi de azot, compusi organici volatili si amoniac; - Colectarea on-line a datelor necesare prognozelor de emisii de SO_2, NO_x, COV si NH_3 si - Elaborarea prognozelor pe termen mediu si lung de emisii pentru grupul ţintă si diseminarea rezultatelor obtinute
Dissemination of results	
Conferences (platform, poster, abstract / full-paper)	Elena Bucur; Cristian Teodorescu; Margareta Nicolau; Liviu Ionita, Constantin Mandricelu, Industrial development and environmental impact in romanian economy evolution, A XXX-a Conferinta Nationala de Chimie, Org.: OLTCHIM Rm. Valcea, 08-10 October 2008, Calimanesti-Caciulata, Book of abstracts, pg. 319/2008; ISBN-978-973-750-124-0