

Program	Program NUCLEU PN 06 -12 02 01
Project title (ENG):	Research on estimation of air pollutant dispersion by means of mathematical modeling and assessing their impact on the environment
Project title (RO):	Cercetări privind estimarea concentrațiilor de poluanți în aer prin intermediul modelării matematice a dispersiei și evaluarea impactului acestora asupra factorilor de mediu
Duration	2006-2007
Team Leader	Senior Researcher Chem. Valeriu Danciulescu
Summary (short description) ENG	Evaluating, analyzing and verifying the applicability of programs for estimating the dispersion of pollutants in the air; To meet the requirements of the Romanian legislation and European directives eyes and evaluation of air emissions; The development of a methodology that can be used to evaluate sources and inaccessible that in perspective, can be developed into a complex pattern of receptor exposed to several sources, the secondary emissions, etc. Only one model can accurately estimate the extent to which the receptor is exposed to contaminant sources may explain the incidence of some diseases and priority action may indicate ways to reduce pollution.
Summary (short description) RO	Evaluarea, analiza si verificarea aplicabilitatii unor programe de estimare a dispersiei poluantilor in aer; Alinierea la cerintele directivelor europene si ale legislatiei romanesti cu privire la emisiile atmosferice si evaluarea acestora; Punerea la punct a unei metodologii care sa poata fi utilizata pentru evaluarea surselor inaccesibile si care, in perspectiva, sa poata fi dezvoltata intr-un model complex al receptorului expus la mai multe surse, la emisii secundare, etc. Numai un asemenea model poate estima corect in ce masura receptorul este expus surselor de noxe, poate explica incidenta unor afectiuni si poate indica cai prioritare de actiune pentru reducerea poluarii.