

## CONSTITUTION AND PROMOTION OF A EUROREGIONAL DATABASE ON ATMOSPHERIC PARTICULATE MATTER

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Aerosol remote sensing can be a innovating complement to in-situ monitoring of PM carried out by air quality networks, and give an idea of the PM background above the areas which are not supervised permanently, in order to evaluate populations exposure. EXPER/PF european project (« Exposition des populations de l'Euro Région aux polluants atmosphériques : le cas des particules fines » - Population Exposure in Euroregion to Atmospheric Pollutants: case of Fine Particles) was launched in January 2002, within the framework of Interreg III program. The objective of the project is to develop and promote a transborder (North of France-Flanders) database on atmospheric Particulate Matter, usable by the professionals involved in Public Health, Environment and Regional Planning. EXPER/PF project brings together seven French and Flemish partners, including three air quality monitoring networks. The database is fed with time measurements of PM from networks. Satellite image-processing supplement this measurements of PM on the ground, by giving indications on the space distribution of the atmospheric particles above the study area (SeaWifs satellite). First version of the database is actually evaluated by some selected users. Their feedback will be used for improve the database (available requests, ...). Final version will be put online on the end of 2004. A « general public » website has been built in order to promote the database (particularly for Public Health professionnels purpose), and provides documentation on case studies carried on in the framework of the project.