



Unione Europea
Fondo Europeo di Sviluppo Regionale
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SNIFF

Sensor Network Infrastructure For Factors



The research objective is the design, implementation, testing and validation of an innovative system (hardware and software) based network infrastructure consists of new sensors that would achieve the overcoming of the constraints and limitations of current systems and are installed on both fixed locations and mobile (on-board and ground vehicles carriers UAV - Unmanned Aerial Vehicle). Starting from the acquisition of the average values of diffuse pollution in the atmosphere the new system will identify, quantify and monitor the role played by individual sources (power stations, ports, airports, industrial plants, etc..) In the area. The validation of the data collected through the monitoring campaigns carried out with the new sensors, will be through a reference system consisting of traditional units that will be located on the area of interest. The activities will include the study and implementation of a mathematical model for the measurement of load-certified environmental pollutant emitted from each source and a model for predicting the level of pollution in the short, medium and long term, which has as its point of starting the analysis of the data collected. DURATA PROGETTO

The project starts form November 2011 for 11 mounths

UNIT of UNICT

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