



## International Conference Photocatalysis

*Standardisation and Certification Assisting Commercialization*

# **FIRST RESULTS OF THE LIFE MINOX-STREET PROJECT: MONITORING AND MODELLING NO<sub>x</sub> REMOVAL EFFICIENCY OF COMMERCIAL PHOTOCATALYTIC MATERIALS**

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The 'MINOX-STREET' project funded by EU (Life12 ENV/ES/000280) aims to evaluate the abatement strategies for traffic NO<sub>x</sub> levels, in particular NO<sub>2</sub>. It will offer to the local authorities a guide optimising the use of commercial photocatalytic materials designed for air purification in urban environments.

The first specific objective it has been to test and compare the potential usefulness of a range of commercial photocatalytic materials to act as NO<sub>x</sub> sinks. The final conclusion is selecting the most promising solutions to be used on urban surfaces in real condition in Alcobendas next to Madrid.

Following the ISO22197-1 tests method on fourth substrates: Facades, Asphalts, sidewalks and roof covering, more than 160 analysis have been made on 23 photocatalytic materials distributed in the European market.

New samples. Aged samples. Rolled samples and washed samples, have led to the selection of the different commercial materials to be applied in real conditions on two streets, walls and sidewalks of the city of Alcobendas.

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