



Project : *Satellite-assisted Management of Air Quality (SMAQ)* Funded by LIFE - Environment

The SMAQ project aims at the development of an integrated system for efficient assessment, monitoring and management of air pollution in the larger area of Western Macedonia in Greece - an area with major lignite-fired power plants. Its overarching goal is to provide an advanced computational tool (*the SMAQ System*) for the benefit of authorities competent for air quality and public health management at the local, regional and national levels

The SMAQ system enables the integration and assimilation of information needed in order to assess and provide short-term forecast of air quality at the local and regional scales. It is capable of readily processing qualitative and quantitative information derived from:

- ground-based monitoring stations,
- numerical modelling and
- earth observation (satellite images)

The SMAQ system is especially designed and developed after consultation with end users in order to meet their needs and requirements for advanced air quality monitoring and public health impact assessment.

SMAQ Workshop and Training Seminar CERTH, Thermi - Thessaloniki Thursday, 18 December 2008

The SMAQ Workshop and Training Seminar objective is to present the SMAQ system and to provide preliminary training in using it. Another goal is to identify and take note of the questions raised in the local technical staff, in order to ensure that the system operability gets further improved. The seminar is addressed to scientists and technical staff of the local and regional authorities and the academia/research institutes in northern Greece working on environmental and in particular air quality management. The Workshop program includes lectures on key issues of air pollution monitoring and management.

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Satellite-assisted Management of Air Quality : Workshop and Training Seminar

CERTH, Themi - Thessaloniki

Thursday, 18 December 2008

Program *

- 08.50 – 09.20 Registration
- 09.20 – 09.25 *Welcome- Introduction* - Prof. A. J. Karabelas, CERTH
- 09.25 – 09.40 *The SMAQ Project*, Mr. P. Gavriil, DIPE
- 09.40 – 10.20 *Air quality and health impact assessment for the Greater Thessaloniki Area*, Prof. N. Moussiopoulos, Mr. C. Vlachokostas, AUTH
- 10.20 – 10.45 *Early warning system for air quality in Thessaloniki*,
Dr. K. Nicolaou, OMPEPT
- 10.45 – 11.15 Coffee break
- 11.15 –12.00 *Overview of SMAQ results - the SMAQ approach*, Dr. D Sarigiannis, JRC
- 12.00 – 13.00 *Demonstration of SMAQ platform operation*, Dr. A. Gotti, JRC
- 13.00 – 14.15 Buffet lunch
- 14.15 – 14.45 *Air pollution measurements – the state of the art*,
Prof. S. Rapsomanikis, DUTH
- 14.45 – 15.15 *Use of Earth observations for air pollution assessment – an overview*,
Dr. N. Sifakis, NOA
- 15.15 –15.45 Discussion

*** The presentations will be in English.**