



IAEA
International Atomic Energy Agency

**RER/8/009 Air Pollution Monitoring in the Mediterranean Region
(H4 New)**

Project Write-up

PERFORMANCE INDICATORS AND OUTCOMES:

CORE FINANCING

YEAR	Human Resource Components (US \$)						Procurement Components (US \$)				TOTAL (US \$)
	Experts	Meetings/ Workshop	Fellow- ships	Scientific Visits	Group Training	Sub-Total	Equipment	Sub- Contracts	Misc. Comp.	Sub-Total	
2005	14,100	20,000	0	0	45,000	79,100	0	0	0	0	79,100
2006	14,400	20,000	0	0	30,000	64,400	0	0	0	0	64,400
2007	14,700	20,000	0	0	50,000	84,700	0	0	0	0	84,700

First Year Approved: 2005

OBJECTIVES: To contribute to air quality improvement through the establishment of a network for air monitoring and the design of a remedy strategy where the monitoring shows poor air quality.

BACKGROUND: Several countries expressed an interest in establishing close cooperation among Mediterranean countries since they share geographical position, mutual interest in the environmental conditions of the Mediterranean region (via the promotion of sub-regional cooperation and exchange of experience/information, harmonization of air pollution monitoring systems and creation of a common database), and also the fact that all communications, including the organization of working meetings, workshops and training courses, could be conducted in English.

The radionuclide and heavy metal concentration in air is a critical factor to assess the environmental quality and the potential impact of possible pollutants: air is in fact one of the main pathways for human exposure to the pollutants.

A set of systematic measurements is needed for establishing a baseline level for radionuclide and heavy metal concentration in air. The baseline results are important for health-effect evaluation as well as for detection of the increased level of the pollutants resulting from the intentional or accidental release to the environment.

NATIONAL COMMITMENT: The participating countries will provide staff and resources for the monitoring campaigns and will coordinate the activities of all the relevant national stakeholders involved in air quality.

AGENCY INPUT: The Agency will provide training and will facilitate the creation of the network through workshops and meetings.

OUTCOMES:

1. Regular monitoring of radionuclides and heavy metals in air for protecting public health and environment (agriculture, tourism, etc.) established.

2. Baseline for evaluation of potential impact of a possible radioactive contamination generated.

3. Sub-regional network for radionuclides and heavy metals established, data shared with end-users and decision makers.

4. Sources of pollution identified and remedy strategy prepared using monitoring data and advanced data interpretation methods.

PERFORMANCE INDICATORS FOR OUTCOMES:

1a. and 2a. Relevant air pollution data produced and available in every country by the end of the project.

3a. Database established and shared by all countries by the end of the project.

4a. Where the analysis shows a high level of pollution, a document prepared indicating the pollution source and a suggested remedy strategy elaborated.

EXPECTED PROJECT IMPACT: The sources of pollution at the chosen sites will be identified and apportioned. A database on pollution levels in the participating Member States will be created; a large number of staff trained for analytical work and data interpretation, and sustainable end user partnerships will be established. The creation of a network for air pollution data sharing will increase cooperation in the Mediterranean area and facilitate informal exchange of information.