



Environmental Monitoring and Modelling:  
Environmental Management Systems



1 - 5 June 2025



Cairo (Egypt)

# Environmental Monitoring and Modelling: Environmental Management Systems

course code: C8147 From: 1 - 5 June 2025 Venue: Cairo (Egypt) - InterContinental Cairo Semiram course Fees: 3700 Euro

## Introduction

As concern grows for continually improving the quality of the environment, organizations of all types and sizes are increasingly turning their attention to the environmental impacts of their activities, products and services. The environmental performance of an organization is of importance to internal and external interested parties. Achieving sound environmental performance requires organizational commitment to a systematic approach and, to continual improvement of their environmental performance.

The purpose of this course is to provide delegates with the opportunity of gaining the skills and knowledge to develop and implement and/or improve an Environmental Management System (EMS)

## Objectives

**By the end of this seminar delegates will be able to:**

- Understand the different types of environmental aspects and their environmental impacts
- Understand the requirements of the environmental management standard ISO 14001:2004
- Develop and implement an Environmental Management System (EMS)
- Prepare a plan for obtaining EMS ISO 14001:2004 certification from a certifying authority
- Identify waste streams and, opportunities of recycling waste

## Conference Methodology

Delegates will learn by active participation through inspiring presentation tools and interactive techniques presented in a lively, enthusiastic and interesting style. Delegates will take part in practical team exercises, typical case studies and open discussion forums, as related to their own organisation's operational activities.

## Organisational Impact

- The organisation will benefit from the key financial savings as a direct result of implementing an effective environmental management system.
- The organisation will also benefit from being able to identify the environmental aspects and impacts, so reducing the risk from environmental incidents occurring.
- Knowledge of how certification to ISO 14001:2004 can provide the organisation with a positive marketing advantage over its competitors.

## Personal Impact

- Delegates will be able to better understand the nature of environmental aspects and the associated impacts within the organisation's operational activities.
- Delegates will understand the purpose and role of the international standard for environmental management ISO 14001:2004.

## CONFERENCE OUTLINE

### Introduction to Environmental Management

- What Does the Term "Environment" mean
- Benefits of Good Environmental Management
- Key Environmental Management System (EMS) Elements
- Document Framework for an Environmental Management System
- Video: Introduction to ISO 14001:2004

### Environmental Management Systems

- Environmental Policy
- Concepts of the Environmental Standard ISO 14001:2004
- Initial Environmental Review (IER)
- What are Environmental Aspects and Impacts
- Video: Environmental Disasters
- Exercise: Producing an EMS Document Framework

### Environmental Aspects & Impacts

- Understanding Environmental Impacts
- Understanding Global, Regional and Local Environmental Issues
- How to Determine Significant Environmental Aspects
- Identifying Applicable Regulatory and Standards' Requirements
- Exercise: Preparing an Environmental Impact Assessment Checklist

### Environmental Impact Assessment (EIA)

- Elements of the EIA Process
- Carrying out an EIA
- Analysis of Impacts
- Video: Environmental Disaster
- Exercise: List the Steps of an EIA Process

### Internal Environmental Auditing

- Carrying Out an Environmental Audit
- Management Review Process
- Summary of Course Key Points
- Award of Course Attendance Certificates
- Close of Course

