MERCURY

# Environmental Management Systems: Monitoring and Modeling Certification

20 – 24 September 2027
New York (USA)



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# Environmental Management Systems: Monitoring and Modeling Certification

**Ref:** 8147_1059879 **Date:** 20 – 24 September 2027 **Location:** New York (USA) **Fees:** 7900 Euro

## Introduction:

The concern for continually improving the quality of the environment is an ever-pressing matter that organizations of all types and sizes cannot afford to ignore. Measuring an organization's environmental performance has become critical for internal and external stakeholders.

In this environmental management systems monitoring and modeling conference, participants will improve sound environmental performance, which hinges upon an organization's pledge to a systematic approach and a dedication to continual enhancement of its environmental impact.

This environmental management systems monitoring and modeling conference aims to equip delegates with the skills and knowledge necessary to conceive, develop, and refine an Environmental Management System EMS. Tailoring an EMS allows for a robust approach to managing environmental responsibilities systematically and supporting sustainability.

As the world becomes increasingly aware of the environmental impacts caused by industrial and commercial activities, the need for proficient environmental management systems EMS cannot be overstated.

This environmental management systems monitoring and modeling conference is designed to provide delegates with the quintessential skills and knowledge required to develop, implement, enhance, and maintain an effective EMS per the internationally recognized ISO 14001:2018 standard.

### What is an Environmental Management System?

An Environmental Management System is a framework that helps an organization achieve its environmental goals by consistently controlling its operations. An EMS promotes a structured approach to planning and implementing environmental protection measures. Environmental management system training is crucial for professionals responsible for developing an EMS and ensuring it operates effectively to mitigate environmental impact.

## Targeted Groups:

- Production and Process Engineers.
- Maintenance Engineers.
- Individuals are responsible for managing and purchasing hazardous substances.
- Managers, Supervisors, and Consultants are involved in implementing environmental management systems.
- Anyone engaged in implementing, maintaining, or supervising an ISO 14001-compliant EMS.

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## Conference Objectives:

By the end of this environmental management systems monitoring and modeling conference, participants will be able to:

- Comprehend the varying types of environmental aspects and their corresponding impacts.
- Recognize the requirements and criteria outlined by the environmental management standard ISO 14001:2018
- Conceptualized, developed, and applied an Environmental Management System compliant with ISO standards.
- Outline a strategic path toward acquiring EMS ISO 14001 certification from a recognized certifying body.
- Identify waste streams and explore opportunities for responsible waste management, recycling initiatives, and land rehabilitation.

## Targeted Competencies:

By the end of this environmental management systems monitoring and modeling conference, target competencies will:

- Understand different environmental aspects and their impacts in depth.
- Know of the requirements set by ISO 14001:2018 for environmental management.
- Learn about skills in developing and executing an Environmental Management System.
- Plan preparation for achieving compliance with ISO 14001:2018.
- Identify different waste stream types and opportunities for recycling and land restoration.

## Conference Content:

### Unit 1: 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.
- Introduction to ISO 14001:2004.

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## Unit 2: Environmental Management Systems:

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

## Unit 3: Environmental Aspects and Impacts:

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

## Unit 4: Environmental Impact Assessment EIA:

- Elements of the EIA Process.
- Carrying out an EIA.
- Analysis of Impacts.
- Environmental Disaster.
- List the Steps of an EIA Process.

## Unit 5: Internal Environmental Auditing:

- Carrying Out an Environmental Audit.
- Management Review Process.
- Checking and Evaluation of Compliance Obligations.
- EMS Performance Monitoring, Measurement, Analysis and Evaluation.

## Conclusion:

This environmental management systems monitoring and modeling conference combines in-depth theoretical knowledge with practical applications. It equips attendees to embark on or enhance their environmental management careers and engage with systems to improve environmental performance.