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# External Emissions Verifier (EU ETS)

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# External Emissions Verifier (EU ETS)

## Duration

5 days

## Overview

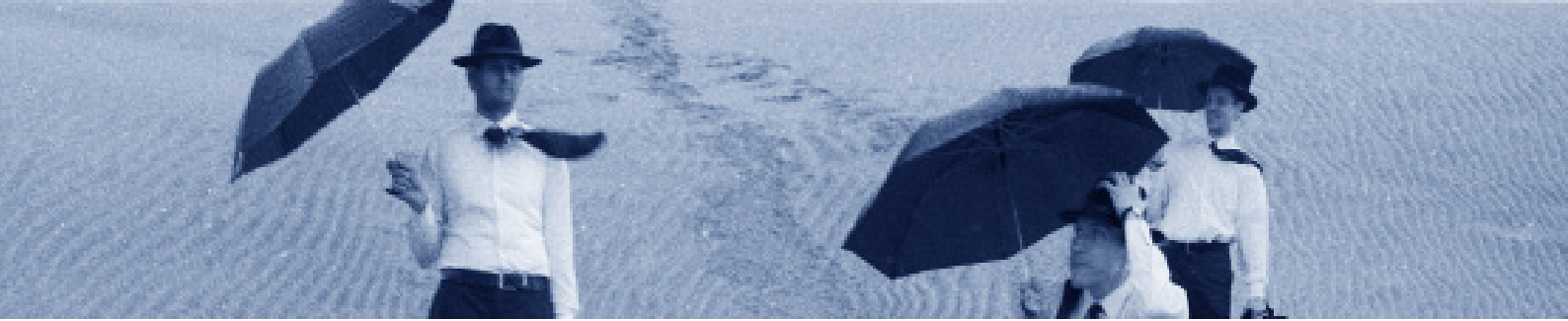
This workshop provides the knowledge and skills necessary for verification of GHG emissions for EU ETS, CDM, JI and other emerging mandatory accounting, reporting and trading schemes. Dependent upon the focus of the course, the programme is completed and evaluated by either a written examination related to a specific scheme or a more general assessed project.

As more governments follow the lead of the EU and implement mandatory emissions reporting and trading schemes, the skills of external (third party) verifiers will become more and more necessary to deliver the high levels of assurance required to provide comfort to regulators as well as buyers and sellers of emissions credits.

This workshop provides the knowledge and skills necessary for verification of GHG emissions for EU ETS, CDM, JI and other emerging mandatory accounting, reporting and trading schemes. Dependent upon the focus of the course, the programme is completed and evaluated by either a written examination related to a specific scheme or a more general assessed project.

## Audience

Delegates do not require any prior knowledge of non-financial data accounting and management to attend this workshop. However, they will be expected to have knowledge and experience associated with climate change in general and broader auditing skills, such as for Quality or Environmental Management Systems auditing.



## Objectives

The objective of this course is to ensure that all Verifiers undertaking work to verify Emissions Reports for the purposes of the EU ETS have the required knowledge, understanding and skills to enable them to conduct robust, high level assurance, verification exercises that manage all relevant risks and liabilities. The key learning objectives include the ability to:

### Awareness:

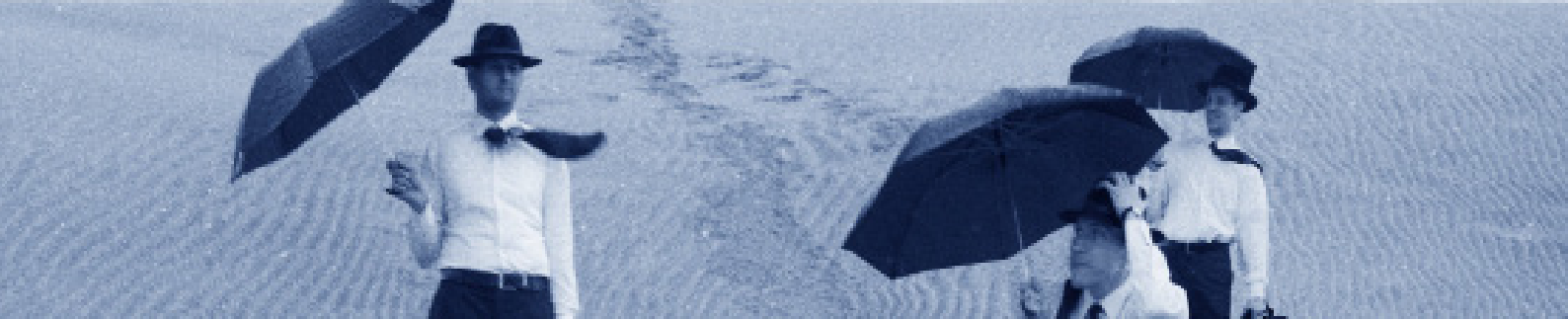
- Describe the EU ETS trading and compliance mechanisms including the role of verifiers and the registry and demonstrate an understanding of the importance of third party verifiers in protecting the environmental and financial integrity of the EU ETS
- Describe EU ETS National Allocation Plans (NAP) and relevant guidance and supporting criteria
- Describe the implications of relevant ISO and other standards referred to in the Monitoring and Reporting (M&R) Decision (18/7/07) (known as MRG2-2007), as updated to include additional sectors etc.

### Knowledge:

- Describe the purpose of EU ETS Directive, the Linking Directive and the M&R decision and requirements
- Describe the quality assurance and quality control requirements in the M&R decision and what to expect from installations as part of their compliance with M&R decision, permit and M&R Plans
- Explain the interrelationships between the EU ETS Directive; M&R Decision and verification
- Explain the means of complying with the requirements of the EU ETS directive and the M&R Decision including preparation and implementation of a monitoring plan and changes in monitoring plans
- Explain how to come to a verification conclusion and describe the content and consequences of an (un)qualified verification statement

### Skills:

- Assess compliance with the requirements of the EU ETS Directive, the M&R decision; National Enabling Legislation and related guidance; Permits and M&R plans
- Validate reported data and information on the basis of checking and testing of source data generation, data accounting, data assurance and information management systems/process



## Agenda

### DAY 1

10.00-10.30 Arrivals, Registrations and Coffee

10.30-11.00 1.1 Course Introduction

11.00-12.15 1.2 The History and Context of the EUETS to include:

- 1 - Legal Framework
- 2 - UK Experience
- 3 - Guidance

12.15-13.00 Lunch

13.00-13.15 1.3 The Mechanics of Emissions Trading to include:

- 1 - Principles of “cap and trade”
- 2 - ERU/CER etc
- 3 - Linking Directive

13.15-13.30 1.4 The Key Players in the EUETS and their Responsibilities to include:

- 1 - NAP
- 2 - Key players
- 3 - The role of the Registry

13.30-15.00 1.5 The Principles of Monitoring and Reporting (1) to include:

- 1 - Definitions
- 2 - Calculation of Emissions
- 3 - Process vs combustion emissions

15.00-15.15 Tea

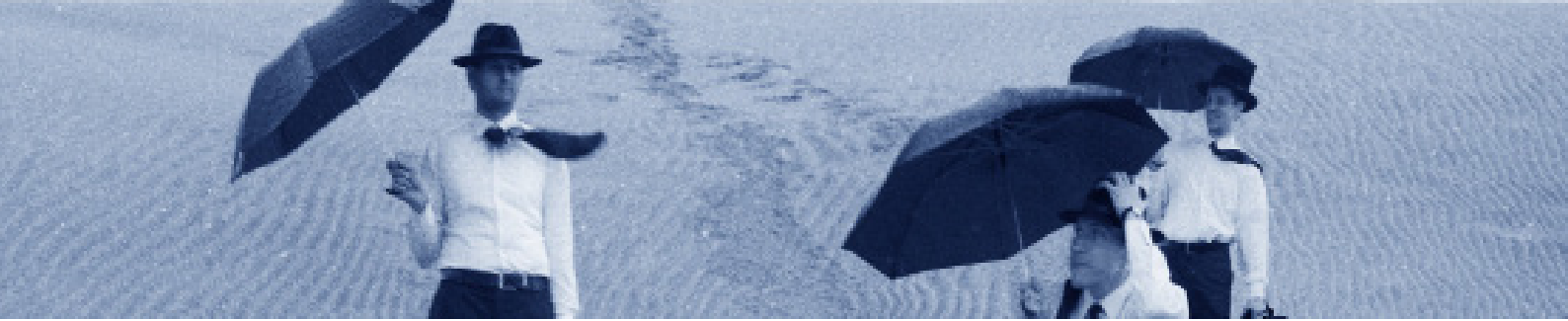
15.15-16.00 1.6 Workshop 1 Emissions Calculations

16.00-16.30 Feedback and discussions

16.30-17.30 1.7 The Principles of Monitoring and Reporting (2) to include:

- 1 - Monitoring and Reporting Plan
- 2 - Tiers
- 3 - Annual Emissions Statement

17.30 1.8 Questions and Close of the Day



## DAY 2

09.00-09.15 1.9 Recap of Day 1 and Introduction to Day 2

09.15-09.30 2.10 The Role of the Verifier

09.30-10.00 2.11 What is verification? to include:

- 1 - Definitions
- 2 - Issues around sampling
- 3 - Objective evidence
- 4 - Compliance Auditing
  - To incl. discussion session - What does verification mean for SGS?
  - To incl. discussion session - Differences between certification and verification?

10.00-10.15 Coffee

10.15-11.00 2.12 Key Principles of Verification (1)

11.00-12.00 2.13 Workshop 2 Materiality Analysis

12.00-12.45 Lunch

12.45-13.15 Workshop 2 Feedback and discussions

13.15-14.00 2.14 Verifier competence requirements to include:

- 1 - Competence Requirements
- 2 - Approval processes
  - To incl. discussion session - What do you think a verification team should know?

14.00-14.30 2.15 Overview of the Verification Process

14.30-15.15 2.16 Contract Review and the Definition of the Scope

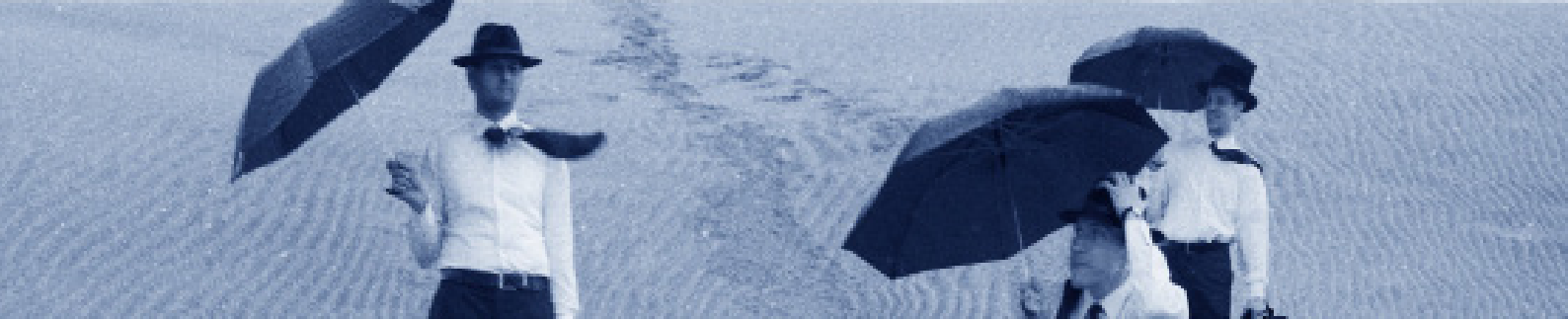
15.15-15.30 Tea

15.30-17.00 2.17 Workshop 3 Risk Assessment

17.00 2.18 Questions and Close of the Day

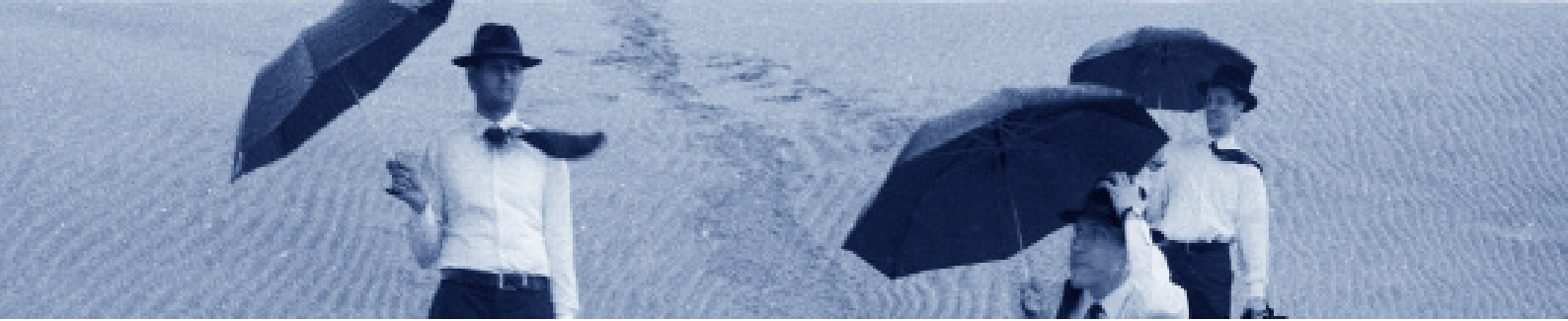
Homework Mandatory Risk Assessment

Homework Optional Time and Resource Requirement



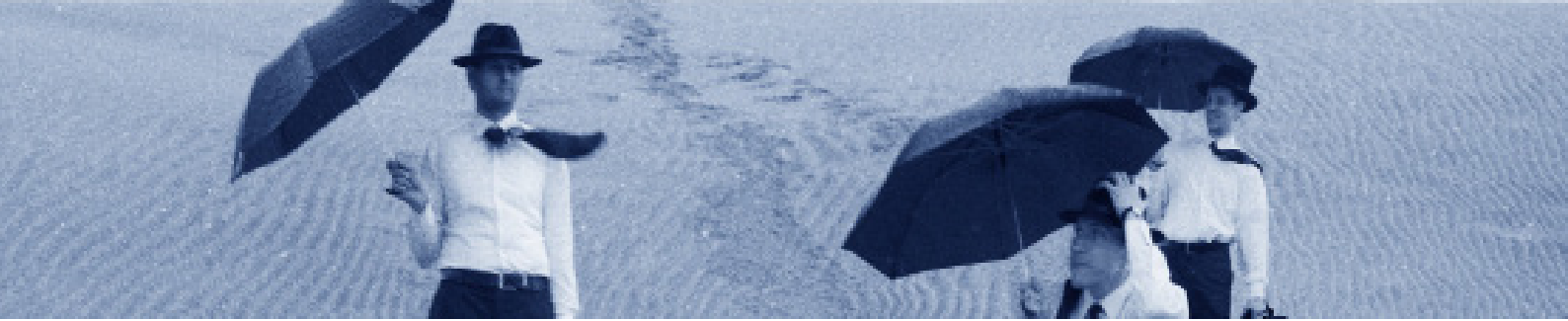
### **DAY 3**

08.30-08.45	3.19 Recap of Day 2 and Introduction to Day 3
08.45-09.30	Workshop 3 Feedback and discussions
09.30-10.30	3.20 Strategic Analysis and Planning
10.30-10.45	Coffee
10.45-11.45	3.21 Workshop 4 Verification Planning
11.45-12.15	Feedback and discussions
12.15-13.00	Lunch
13.30-14.30	3.22 The Tools and Techniques of Verification
14.30-15.00	3.23 Workshop 5 Missing Data
15.00-15.15	Tea
15.15-15.45	Feedback and discussions
15.45-16.45	3.24 Workshop 6 Data analysis (Simple)
16.45-17.00	3.25 Questions and Close of Day
Homework	Data analysis (Simple)



## DAY 4

08.30-08.45	4.26 Recap of Day 3 and Introduction to Day 4 and the Exam
08.45-09.30	3.24 Workshop 6 Feedback and discussions
09.30-10.15	4.27 Integration with other Management Systems
10.15-11.00	4.28 Workshop 7 Data analysis (Complex)
11.00-11.15	Coffee
11.15-12.45	Workshop 7 Data analysis (Complex)
12.45-13.45	Lunch
13.45-14.30	Workshop 7 Feedback and discussions
14.30-15.15	4.29 Completing the Verification
15.15-15.30	Tea
15.30-16.00	4.30 Issues around Metering
16.00-16.30	4.31 Uncertainty Evaluation
16.30-17.15	4.32 Workshop 8 Uncertainty Analysis
17.15	4.33 Questions and close of day
Homework	Uncertainty Analysis



## DAY 5

08.30-08.45	5.34 Recap of Day 4 and Introduction to Day 5 and the Exam
08.45-09.15	4.32 Workshop 8 Feedback and discussions
09.15-09.45	5.35 Technical Review
09.45-10.30	5.36 Workshop 9 Metering Issues
10.30-11.00	Feedback and discussions
11.00-11.15	Coffee
11.15-11.45	5.37 Questions and Answers
11.45-12.30	Revision
12.30-13.30	Lunch
13.30-13.45	5.38 Questions and Answers
13.45-14.00	5.39 Course wrap-up
14.00-15.30	5.40 Examination
15.30-16.00	Tea
16.00	Course Close