

# BASIC GREENHOUSE GAS (GHG)

**ACCOUNTING, MITIGATION,  
AUDIT AND REPORTING TRAINING**

**14 HOURS ZOOM & PHYSICAL  
PROGRAM**



## OBJECTIVE:

This programme will enable participants to :-

- Understand the Greenhouse Gas Protocol's Corporate Standard
- Understand the ISO 14064 Standard
- Enable to identify GHG sources of emissions
- Enable participants to prepared GHG calculations
- Enable participants to determine GHG mitigation
- Understand the assess GHG audit and verification processes
- Understand the learn to prepare reports



**HYBRID  
TRAINING**

**11 & 12 March 2026 (Wed & Thu)**

 **Remote Online Training (Zoom) &**  
 **Dorsett Grand Subang Hotel,  
Selangor ((Physical))**  
**\*\* Choose either Zoom OR Physical Session**

**12 CPD APPROVED BY EIMAS  
EiMAS/2026/CPD0245**

## WHO SHOULD ATTEND :

Safety committees who are responsible for identifying GHG sources, prepared GHG calculations, determine mitigation, assess GHG audit processes.

## LEARNING METHODOLOGY :

This training will involve the use of slides, handout material, practical tools, sharing of actual cases, Q & A and appropriate videos.

## INTRODUCTION

Many organizations are starting to think about how to manage their greenhouse gas (GHG) emissions for a number of reasons: to minimize their impact on the planet, to prepare for regulation and address evolving disclosure requirements, to increase energy efficiency and/or to build their profile as an environmental leader. Building an inventory of your sources and emissions (eg., carbon footprint) is an essential first step to assessing risks, reducing emissions and tracking your performance.

This course aims at professionals responsible for measuring, reporting and managing carbon dioxide and other greenhouse gas (GHG) emissions for their organization. This training course will cover the basics of GHG accounting for organizations. The course materials are based on the WRI/WBCSD GHG Protocol Corporate Standard, while referring to the ISO 14064: Part 1 international standard for GHG inventories.

This course will provide you the latest information regarding GHG emissions accounting and management and focuses on areas such as: background to climate change, developing a carbon accounting system, managing GHG emissions and options for reducing GHG emissions. You will also be equipped to communicate effectively the imperative of reducing the GHG emissions with colleagues.

This training is designed to provide participants with essential understanding of carbon accounting approaches and methodologies based on ISO14064 and the GHG Protocol: Corporate Accounting and Reporting Standards. These standards besides have formed the basis of many local and international schemes, they also provide tools for industries and governments in developing their programs to reduce greenhouse gas (GHG) emissions.

## COURSE CONTENT

### DAY ONE

#### **9.00 am - 10.30 am**

##### **Overview of GHG Accounting**

- Introduction to GHG Accounting and Its Value to Businesses & Investors
- Terminology
- Accounting Process Overview
- Current Industry Initiatives
- Interactive Exercise 1

**10.30 am - 10.45 am**      Tea Break

#### **10.45 am - 1.00 pm**

##### **The Science Behind GHG Accounting**

- Why Do We Track GHG Emissions
- The Science of the GHG Effect
- The 6 GHGs, Their Impacts, and Sources
- Global Warming Potential (GWP)
- Interactive Exercise 2

**1.00 pm - 2.00 pm**      Lunch

#### **2.00 pm - 3.30 pm**

##### **The Process of GHG Accounting Part 1**

- Best Practices from GHG Protocol
- Defining Organizational Boundaries
- Defining Operational & Legal Boundaries
- Identifying Emissions Sources and Collecting Data
- Defining Units and Referencing Emissions Factors
- Common Pitfalls & Considerations
- Best Practices

**3.30 pm - 3.45 pm**      Tea Break

#### **3.45 pm - 5.00 pm**

##### **The Process of GHG Accounting Part 2**

- Purpose and Benefits of ISO 14064
- Introduction of the ISO 14064-1:2006 Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals
- Introduction of ISO 14064-2:2018 Greenhouse gases — Part 2: Specification with guidance at the project level for quantification, monitoring and reporting of greenhouse gas emission reductions or removal enhancements
- Introduction of ISO 14064-3:2018 Greenhouse gases — Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions

## COURSE CONTENT

### DAY TWO

**9.00 am - 10.30 am**

**Example Scope 1 & 2 Calculations**

**Interactive Exercise 3**

**How to quantify and report GHG emissions**

- Step-by-step inventory preparation
- Using the emission factors

**Fuel emission factors**

- Stationary combustion fuel
- Transport fuel
- Biofuels and biomass
- Transmission and distribution losses for reticulated gases
- Purchased electricity, heat and steam emission factors

**10.30 am - 10.45 am**      Tea Break

**10.45 am - 1.00 pm**

**Example Scope 3 Calculations & Challenges**

**Interactive Exercise 4**

**Fuel emission factors**

- Refrigerant and other gases use emission factors
- Indirect business-related emission factors
- Travel emission factors
- Freight transport emission factors

**1.00 pm - 2.00 pm**      Lunch

**2.00 pm - 3.30 pm**

**GHG Accounting in Corporations & Emissions Reports and Current State of GHG Accounting**

- Why Corporations Should Measure GHG Emissions
- Investment Context Use Cases - Mandates & Compliance
- GHG Reductions & Planned Impact (Scope 4 Emissions)

**3.30 pm - 3.45 pm**      Tea Break

**3.45 pm - 5.00 pm**

**Producing a GHG report**

- Interpreting Emissions Reports
- Additional Tools & Resources
- Qualified Assessment
- Verification Procedure with Third Party