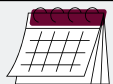


# ESG REQUIREMENTS, GHG EMISSION ACCOUNTING AND REPORTING FOR ENVIRONMENTAL PRACTITIONER



**TRAINER**  
**MR. KHAIRULL HAFIZ**



**22 & 23 OCTOBER 2025**



**9.00 A.M - 5.00 P.M**



**TRAINER : MR. KHAIRULL HAFIZ**



**ENSEARCH OFFICE, PETALING JAYA**



E-Certificate will be provided after the training sessions



Training Materials will be provided in softcopy

## OVERVIEW TRAINING

This training program for environmental practitioners on ESG (Environmental, Social, and Governance) requirements and GHG (Greenhouse Gas) accounting and reporting. The program will build foundational ESG knowledge, clarify local and international compliance requirements, and guide participants in forming a Sustainability Working Committee (SWC) with defined roles. It will also provide practical steps for developing a GHG inventory, including identifying emission sources, collecting relevant data, and applying simple templates and frameworks for reporting. By the end of the training, participants will be equipped to take the first steps toward effective GHG management and sustainability integration within their organizations.

## PROGRAM OBJECTIVE

- Understand the Fundamentals of GHG Accounting
- Recognize Global and Industry GHG Trends
- Differentiate Emission Scopes and Boundaries
- Apply GHG Calculation Techniques
- Develop and Interpret GHG Inventories and Reports
- Collaborate Across Departments for Effective GHG Management
- Use Tools and Resources for Continuous Improvement



## TRAINING FEE

**ENSEARCH Member = RM800**

**Non Member = RM1000**

**Individual Membership + Training = RM1050**

**HRDC Claimable + Member = RM900**

**HRDC Claimable + Non Member = RM1000**

**HRDC Claimable + Individual Membership = RM1150**

**JOIN NOW**

**SCAN ME!**



## **INQUIRIES**

Please contact our program secretariat for more training details

 03-5887 5809

 [po-training@ensearch.org](mailto:po-training@ensearch.org)

 [www.ensearch.org](http://www.ensearch.org)



## TRAINER INFORMATION - MR. KHAIRULL HAFIZ ISMAIL



Mr. Khairull Hafiz is a results-driven Sustainability and ESG professional with nearly 20 years of cross-functional leadership experience spanning the palm oil, engineering, and corporate sustainability sectors. He is adept at leading multi-stakeholder ESG strategies, managing GHG inventories, and aligning operations with international frameworks such as GRI, TCFD, ISSB, UN SDGs, RSPO, and MSPO. His proven track record includes delivering sustainability reports, climate risk disclosures, and ESG ratings improvements, as well as driving carbon neutrality pathways. Recognized for his ability to blend technical engineering expertise with strategic ESG foresight, he has excelled in both corporate leadership and consultancy roles.

### DAY 1

## TENTATIVE PROGRAMME

### DAY 2

09.00 AM – 10.30 AM

#### SESSION 1: OVERVIEW OF GHG ACCOUNTING

- INTRODUCTION TO GHG ACCOUNTING: IMPORTANCE AND VALUE FOR BUSINESSES & INVESTORS
- KEY TERMINOLOGY AND CONCEPTS
- ACCOUNTING PROCESS OVERVIEW
- CURRENT INDUSTRY INITIATIVES AND TRENDS
- INTERACTIVE EXERCISE 1: EXPLORING THE VALUE OF GHG ACCOUNTING

10.30 AM – 10.45 AM

#### MORNING BREAK

10.45 AM – 01.00 PM

#### SESSION 2: THE SCIENCE BEHIND GHG ACCOUNTING

- WHY WE TRACK GHG EMISSIONS
- UNDERSTANDING THE GREENHOUSE EFFECT
- OVERVIEW OF THE KEY GHGS: IMPACTS AND SOURCES
- INTRODUCTION TO GLOBAL WARMING POTENTIAL (GWP)
- INTERACTIVE EXERCISE 2: IDENTIFYING SOURCES OF GHGS

01.00 PM – 02.00 PM

#### LUNCH BREAK

02.00 PM – 03.30 PM

#### SESSION 3: GHG ACCOUNTING PROCESS – PART 1

- GHG PROTOCOL: BEST PRACTICES AND FRAMEWORKS
- DEFINING ORGANIZATIONAL BOUNDARIES: OPERATIONAL VS. LEGAL
- IDENTIFYING EMISSION SOURCES AND COLLECTING DATA
- UNITS OF MEASUREMENT AND EMISSION FACTORS
- COMMON PITFALLS AND KEY CONSIDERATIONS

03.30 PM – 03.45 PM

#### TEA BREAK

03.45 PM – 05.00 PM

#### SESSION 4: GHG ACCOUNTING PROCESS – PART 2

- PRACTICAL STEPS FOR ACCURATE GHG INVENTORY DEVELOPMENT
- CASE STUDIES AND REAL-WORLD APPLICATIONS

05.00 PM

END OF SESSION

09.00 AM – 10.30 AM

#### SESSION 1: SCOPE 1 & 2 EMISSIONS – CALCULATIONS AND REPORTING

- STEP-BY-STEP EXAMPLE CALCULATIONS FOR SCOPE 1 & 2 EMISSIONS
- INTERACTIVE EXERCISE 3: SCOPE 1 & 2 EMISSION SCENARIOS
- HOW TO QUANTIFY AND REPORT GHG EMISSIONS
- PREPARING A GHG INVENTORY: A STEP-BY-STEP GUIDE
- USING EMISSION FACTORS FOR ACCURATE REPORTING

10.30 AM – 10.45 AM

#### MORNING BREAK

10.45 AM – 01.00 PM

#### SESSION 2: SCOPE 3 EMISSIONS – CALCULATIONS AND CHALLENGES

- EXAMPLE CALCULATIONS FOR SCOPE 3 EMISSIONS
- COMMON CHALLENGES IN MEASURING SCOPE 3 EMISSIONS
- INTERACTIVE EXERCISE 4: APPLYING SCOPE 3 METHODOLOGIES
- UNDERSTANDING EMISSION FACTORS

01.00 PM – 02.00 PM

#### LUNCH BREAK

02.00 PM – 03.30 PM

#### SESSION 3: GHG ACCOUNTING IN CORPORATIONS AND EMISSIONS REPORTS

- CURRENT TRENDS AND THE STATE OF GHG ACCOUNTING IN CORPORATIONS
- THE BUSINESS CASE FOR MEASURING GHG EMISSIONS
- USE CASES: GHG ACCOUNTING FOR INVESTMENTS, MANDATES, AND COMPLIANCE

03.30 PM – 03.45 PM

#### TEA BREAK

03.45 PM – 05.00 PM

#### SESSION 4: PRODUCING AND INTERPRETING GHG REPORTS

- BEST PRACTICES FOR PRODUCING A COMPREHENSIVE GHG REPORT
- INTERPRETING GHG EMISSIONS REPORTS: KEY INSIGHTS AND METRICS
- ADDITIONAL TOOLS AND RESOURCES FOR GHG MANAGEMENT
- VERIFICATION PROCEDURES WITH THIRD-PARTY AUDITORS

05.00 PM

END OF SESSION

