

IMPROVING COMPANY PERFORMANCE THROUGH BEST PRACTICES IN GREENHOUSE GAS MEASUREMENT, REPORTING AND VERIFICATION (MRV)

Kuala Lumpur, Malaysia | 15th - 17th October 2019

An Intensive 3 Day covering the leading international GHG standards (e.g. ISO, GHG Protocol) for entity-level (i.e. company, facility) measurement, reporting and verification as well as GHG emissions management

MICE EVENTS

2019



OLIA GLADE

**Director of Measurement, Reporting,
and Verification (MRV) System**

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Greenhouse Gas Management Institute



KEY BENEFITS OF ATTENDING

- Engage in an intensive 3 days training course from the Greenhouse Gas Management Institute (GHGMI) – the leading global GHG training provider
- Learn about the leading GHG standards from some of the leading experts that helped develop them and have been delivering GHG courses for over 10 years
- Receive copies of the ISO 14064 series of international GHG standards
- Improve your knowledge of best practice for GHG emissions management

WORKSHOP OVERVIEW

Many organizations are managing 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. Organizations are engaging in GHG verification for GHG emissions inventories, emission offset projects, supply chain carbon footprints and other activities to provide assurance to stakeholders about the validity of performance claims, whether for voluntary markets or regulatory programmes.

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 training course will cover how to perform entity-level GHG accounting for organizations and their facilities, as well as plan GHG management activities to reduce GHG emissions. This training course will also cover GHG verification of inventories.

Course Lessons

- Introduction
- GHG MRV System
- Organizational GHG Inventories
- Organizational and Operational Boundaries
- Tracking, Calculating, Reporting and Managing
- Data Collection and Calculation
- Inventory Quality Management
- Elements of GHG Inventory Reports
- Planning and Assessing GHG Mitigation
- Introduction, principles and concepts to GHG Verification



Day One

09:00 - 10:15 Course Introduction, Participant Introductions, Survey of Key Issues, Overview of Case Studies

10:15 - 10:45 *Coffee Break*

10:45 - 11:15 Overview of GHG MRV System

11:15 - 12:00 Introduction to Organizational GHG Accounting and Overview of GHG Inventory Management System

12:00 - 12:15 Questions and Answers

12:15 - 13:30 *Lunch*

13:30 - 14:00 Organizational and Operational Boundaries

14:00 - 14:25 Exercise: Defining GHG Accounting Boundaries

15:15 - 15:45 Tracking and calculating GHG emissions

15:15 - 15:45 Exercise: Monitoring on the Data Trail

15:45 - 16:00 *Coffee Break*

16:00 - 16:45 Inventory Quality Management

16:45 - 17:15 Exercise: QA/QC on the Data Trail

17:15 - 17:30 Discussion, Questions and Answers (Review Case Study)

Day Two

08:45 - 09:00	Review of Day 1
09:00 - 09:45	Elements of GHG Inventory Reports
09:45 - 10:30	Case Study: Corporate GHG Inventory
10:30 - 10:45	<i>Coffee Break</i>
10:45 - 12:00	Case Study: Corporate GHG Inventory (<i>continued + presentation</i>)
12:00 - 12:15	Questions and Answers
12:15 - 13:30	<i>Lunch</i>
13:30 - 14:45	Introduction to GHG Management
14:45 - 15:00	Planning and Assessing GHG Mitigation
15:00 - 15:30	Discussion, Questions and Answers
15:30 - 15:45	<i>Coffee Break</i>
15:45 - 16:30	Introduction, Principles and Concepts to GHG Verification
16:30 - 17:00	Exercise: Verification Preparation and Management
17:00 - 17:15	Questions and Answers

Day Three

08:45 - 09:00	Review of Day 2
09:00 - 09:30	Preparing for Verification
09:30 - 10:00	Case Study: Facility GHG Inventory Verification
10:00 - 10:30	Reviewing Documentation and Controls
10:30 - 10:45	<i>Coffee Break</i>
10:45 - 11:00	Reviewing Data
11:00 - 11:20	Exercise: Verification Sampling Plan
11:20 - 12:05	Introduction to Executing the Verification
12:05 - 12:15	Discussion, Questions and Answers
12:15 - 13:30	<i>Lunch</i>
13:30 - 14:15	Assessing Controls, Procedures and Data
14:15 - 14:45	Reporting the Verification
14:45 - 15:30	Case Study: Facility GHG Inventory Verification (<i>continued</i>)
15:30 - 15:45	<i>Coffee Break</i>
15:45 - 16:30	Case Study 2: Facility GHG Inventory Verification (<i>continued</i>)
16:30 - 17:15	Course Discussion and Conclusion

WHO SHOULD TAKE THIS COURSE

Anyone with an interest in entity-level GHG measurement, reporting and verification and best practice in GHG emissions management. In particular, anyone involved with environmental management systems, energy and environmental auditors, as well as users of verification services such as:

- GHG Inventory Managers
- Project Developers
- Corporate Environmental and Sustainability Managers and Investors



OLIA GLADE

Director of Measurement, Reporting, and Verification (MRV) System

Olia Glade has been active in the reporting and review of GHG inventory information at the project, programme, national and international level for the past 9 years. While working at the New Zealand's Ministry for the Environment (MfE), she was leading the interagency GHG Inventory team, managing the national greenhouse gas reporting programme as the national GHG inventory compiler and UNFCCC inventory focal point for New Zealand, being also an international expert reviewer in the Energy, Industrial Processes and Product Use sectors.

Building on her technical expertise in GHG inventory development and international processes, Olia served as an energy sector expert and later, as an expert-generalist and a Lead Reviewer for GHG inventories, National Communications and Biennial Reports at the UNFCCC, leading desk, centralized and in-country assessments. As a Lead Reviewer, she participated in several projects focused on the review process improvement, presented at the Lead Reviewers meetings in Bonn and wrote a fundamental QA/QC and Verification paper.

Most recently, Olia serves as a Director for Monitoring, Reporting and Verification (MRV) Systems at the Greenhouse Gas Management Institute, bringing the expertise in natural science, education, greenhouse gas reporting and review under the UNFCCC and Kyoto Protocol, and designing GHG data management systems to the Institute.

Apart from GHG accounting, national inventory systems and data management systems, Olia's technical expertise includes Chemistry and Crystallography (PhD, over 100 research papers in peer-reviewed scientific journals and conference presentations), molecular biology and bioorganic chemistry (MSc), and teaching (Grad. Diploma). In addition, she holds several Microsoft Professional certifications.

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