ghg management institute

PREPARING COUNTRIES AND TOMORROW'S CARBON MANAGEMENT PROFESSIONALS

ARE YOU "PARIS READY?"

COURSE CURRICULUM

Our mission is to address climate change by building and supporting a global community of experts with the highest standards of professional practice in measuring, accounting, auditing and managing greenhouse gas emissions.

With the world's largest professional network of GHG management professionals, the Institute has created a foundation that serves society's central challenge: to effectively address climate change.

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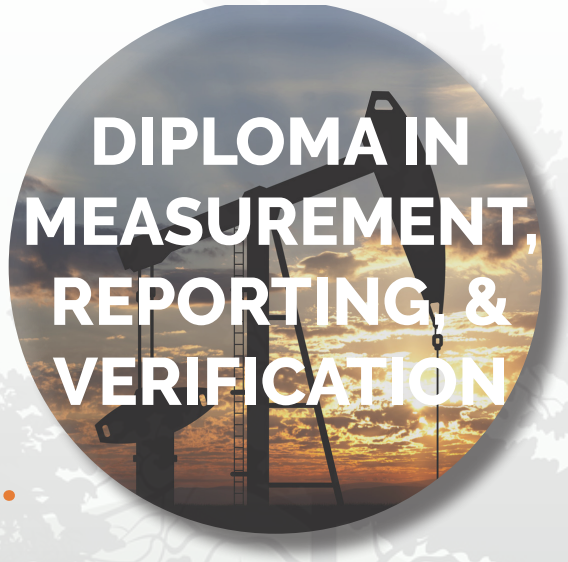
DIPLOMA PROGRAMS

Diploma programs represent the various industry roles in which GHG professionals operate. The diploma program and industry profile of each are listed below.

For those focused on developing GHG inventory and carbon footprinting skills and expertise across a range of accounting frameworks.

Tuition includes access to our course library and six proficiency exams.

Tuition: $2,250



For those wanting a broader skill set including both GHG accounting and formal GHG auditing, validation, and verification in keeping with international standards and programs.

Tuition includes access to our course library, course 401: GHG Verification for Inventories & Projects, and seven proficiency exams.

Tuition: $2,950

For those wishing to focus on fewer GHG accounting frameworks and then go further into the technical analysis of emission mitigation analysis to support companies and countries reduce their GHG emissions and increase removals.

Tuition includes access to our course library and seven proficiency exams.

Tuition: $2,750

Each diploma program represents a savings of 20% than if the courses were enrolled in separately.

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IPCC GUIDELINES COURSE SERIES

The 2006 IPCC Guidelines contain the latest, scientifically robust, and internationally accepted methods for estimating GHG inventories. Our course series breaks down the **IPCC Guidelines for Greenhouse Gas Inventories** into something that learners can more easily digest. Typically, our introductory IPCC course, 501 IPCC: Introduction to Cross-Cutting Issues, is taken as a pre-requisite to a sector course of the learner's choice.

INTRODUCTION TO CROSS-CUTTING ISSUES: This course is a rigorous introduction to the Institute's course series on GHG inventories using the 2006 IPCC Guidelines. You will learn the fundamentals of compiling an inventory of GHG emissions and removals before you learn to calculate emissions and removals from specific sectors in the other courses within the series. Lessons will focus on how to calculate uncertainty, how to ensure that your inventory is complete, and how to establish AQ/QC practices.

ENERGY: You will learn how to identify specific activities resulting in GHG emsisions from extraction, processing, and combusion of all types of fossil fuels, including from mobile combustion, fugitive emissions, carbon dioxide transport, and geological storage.

INDUSTRIAL PROCESSES AND OTHER PRODUCT USE: Course lessons focus on estimating emisions from the major industrial industries, including minerals, chemcials, metals, electronics, and other manufacturing processes.

AGRICULTURE: Lessons within this sector focus on estimating emissions and removals from livestock, soils, rice cultivation, and harvested wood products.

FORESTRY AND OTHER LAND USES: This course focuses on calculating emissions and removals from forestland, cropland, grasslands, wetlands, and settlements.

WASTE: Course lessons focus on emissions and removals estimation from solid waste disposal, biological treatment of solid waste, incineration and open burning, and wastewater treatment and discharge.

Course only: $275 | Exam only: $250 | Course + Exam: $395

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INDIVIDUAL COURSES

BASICS OF ORGANIZATIONAL GHG ACCOUNTING:

This training course covers 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.

"Anyone who wants an understanding of entity-level GHG accounting must take this course, I highly recommend it to my colleagues. The in class activities and exercises were very stimulating and pushed the boundaries of my understanding of the study subject." - **Melusile Ndlovu, Sustainable Energy Africa**

BASICS OF PROJECT- LEVEL GHG ACCOUNTING: This training course covers the basics of GHG accounting for projects. The course material is based on ISO 14064: Part 2 GHG Standard for Projects and the WRI/WBCSD GHG Protocol for Projects.

"This is an essential course for anyone who desires an introduction to the basics of project-level accounting. Through detailed course exercises involving true-to-life case studies, responsive and articulate teachers and complete written material the student achieves a high level of understanding of the subject matter." - **John Arens, Bear State Renewables Inc.**

GHG INFORMATION MANAGEMENT SYSTEMS: This course will introduce fundamental concepts and processes for a GHG IMS in a project management framework from the early planning stages through system deployment.

"The course was extremely thorough and provided a great amount of detail regarding every aspect to setting up a GHG IMS. I now feel sufficiently prepared to assist clients in developing a GHG inventory and in helping them to select and/or set up an appropriate GHG IMS to meet their needs." - **Jeannie Renne-Malone, HDR Engineering**

Course only: $275 | Exam only: $250 | Course + Exam: $395

GHG VERIFICATION FOR INVENTORIES & PROJECTS:

Verifying GHG emissions inventories, emission offset projects, supply chain carbon footprints and other activities provide assurance to stakeholders about the validity of performance claims. Key concepts covered in this course include preparing for verification based on scope, criteria, and level of assurance, performing the verification and developing conclusions, creating the verification report, and others.

"The course was most informative and helped to guide me step-by-step on how to conduct an Organizational GHG inventory verification following ISO 14064-3. It helped to make the ISO 14064-3 standard much more accessible and usable. It also gives some useful examples to help guide one with some of the various challenges faced when conducting verifications." - **Kerry Evans, Global Carbon Exchange**

Course only: $400 | Exam only: $400 | Course + Exam: $750

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GHG ACCOUNTING FOR FOREST INVENTORIES: The important role for forests in GHG emissions management is widely recognized, but there are fewer resources to help organizations account for forest-related GHG emissions and removals in their GHG emission inventories. This course fills this need by providing comprehensive and detailed guidance on developing forest GHG inventories.

GHG ACCOUNTING FOR FOREST AND OTHER LAND USE PROJECTS: This course provides in-depth training on the process of GHG accounting at the project level for forest and other land use activities focusing on reforestation, forest management and avoided deforestation projects as well as being relevant to revegetation and agricultural soil carbon projects.

"The GHG Accounting for Forest and Other Land Use Projects provides a great synthesis of the wide range of forest carbon related information and guidance out there, including relevant IPCC and related materials. The opportunities for online interaction and review of pertinent policy and GPG issues are a great opportunity for aspiring and intermediate level project developers and those interested in becoming more conversant in the space."
– **Rob Friberg, New Forest Outlook Ltd.**

GHG ACCOUNTING FOR LANDFILL METHANE PROJECTS: Reducing methane emissions from landfills is a cost-effective way to contribute to efforts to address climate change. Landfill methane (LM) projects are growing in popularity and are gradually becoming an important source of offsets. This course provides information and guidance as well as technical descriptions on accounting for GHG reductions, project emissions, and displacement from LM projects.

GHG ACCOUNTING FOR COLEMINE METHANE PROJECTS: Coal mine methane (CMM) projects are an important source of offsets. There are a number of GHG accounting standards for a variety of offset programs. This course provides guidance so you can navigate these programs as well as comprehensive and detailed technical instruction on accounting for GHG reductions, project emissions, and displacement at CMM projects.

Course only: $275 | Exam only: $250 | Course + Exam: $395

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GHG ACCOUNTING FOR ENERGY EFFICIENCY PROJECTS:

Energy efficiency projects offer the most significant and widely accessible means of reducing greenhouse gas (GHG) emissions. This course presents the terms and methods needed to transparently account for the GHG emission reductions created by energy efficiency (EE) projects or programs..

"The course provides clear and comprehensive coverage of topics connected with GHG accounting in Energy Efficiency projects and programs. It improved my understanding and I had an enjoyable learning experience." **- Sasa Eichberger, Consultant**

GHG ACCOUNTING FOR RENEWABLE ENERGY PROJECTS:

Renewable energy sources (RES), such as hydropower and wind energy, have significant potential to reduce greenhouse gas emissions on a global scale. RES projects under the CDM are growing in popularity and are an important source of certified emissions reductions (CERs). This course provides information and guidance as well as technical descriptions on accounting for GHG reductions, project emissions, and displacement from RES projects. This course focuses on hydropower and wind energy projects.

Course only: $275 | Exam only: $250 | Course + Exam: $395

All courses are available for delivery through in-person workshops.

Online courses typically require 20 plus hours of study. If delivered in onsite workshop format for a group, instruction for one course typically requires 3 to 4 days. Tuition fees listed are in US dollars and apply only to online course delivery.

Learn more about our programs at GHGInstitute.org