

Greenhouse Gas  
Management Institute

Biennial Report

The Institute's First Two Years  
November 2009



## **Biennial Report**

The Institute's First Two Years

November 2009



## Purpose

The purpose of this document is to report to our stakeholders and members on the progress made during the first two years of the Greenhouse Gas Management Institute's operation. This document will also provide all those concerned with a baseline upon which to measure the Institute's progress in the future and serve as a historical record.



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## Letter from the Founders

To the GHG Management Institute Community,

Founded in 2007, the Greenhouse Gas Management Institute is one of the world's only institutions of professional learning and development focused on the rigorous and serious issue of how to manage the emissions that are the cause of global climate change. We have seen thousands people around the world share in our excitement and relief that there is now a professional society to provide the infrastructure and resources needed for building the foundation for tomorrow's managers of greenhouse gas (GHG) emissions.

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*GHG management professionals will be one of the major green job categories of the future because they will provide the foundation for climate change policies and carbon markets.*

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The Institute was established as a nonprofit organization because we recognized the need for a credible and independent forum for training and professional development. We believe performance metrics—for emissions, personnel, technologies, etc.—are the basis for addressing the challenge of climate change. In international negotiations we call the development of these metrics “monitoring, reporting, and verification” and “GHG inventories.” For corporations, we refer to “greenhouse gas accounting.” And in the offset project markets we speak in terms of “protocols, methodologies, and monitoring.” Underlying all of these policies, markets, regulations, programs, and standards are professionals that enable action to be taken over the long-term by managing (e.g., reducing) greenhouse gas (GHG) emissions and providing the essential information needed to track performance.

The Institute's educational, membership, and professional programs are designed to support GHG professionals globally to fulfill this essential role. Greenhouse gas management professionals will be one of the major green job categories of the future because they will provide the foundation upon which climate change policies and carbon markets will be implemented and grow.

Under the Institute, we are bringing together the world's most experienced experts in GHG emissions accounting, inventories, management, and verification. These experts prepared today's international standards, founded national government programs, and are the practice and thought leaders in GHG management.



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*We fear the specter of discredit that would fall upon GHG policies and markets if they experienced scandals like those in the financial world. The numbers upon which we build climate change polices and carbon markets must be of the upmost credibility.*

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Our focus is narrow by design: on GHG management, accounting, and auditing. Research and educational institutions around the globe are training experts in economics, engineering, and atmospheric science. And business and management schools are developing programs in corporate sustainability. But the Institute is the only global educational institution focused on the techniques and real world practicalities of accounting, auditing, and managing for GHG emissions. As we increasingly take the issue of climate change seriously, the need and demand for experts with skills and knowledge in GHG management and accounting will exponentially outstrip supply. Our 2009 *Greenhouse Gas and Climate Change Workforce Needs Assessment Survey* clearly illustrated the trends in the emerging field of GHG management. Organizations and governments around the world are beginning to realize that measuring and tracking GHG emissions is the first step to thinking about how to manage the issue. If you cannot measure, you cannot manage.

The Institute is not only focused on training. We take the term “professional” seriously and mean to create, in collaboration with our partners, professional designations that are unquestionably credible. Being a professional means meeting ethical, competency, and practice standards. With this definition in mind and our vision of becoming a leading professional association, we have created the world’s first Code of Conduct for GHG management professionals.

Currently, because of the near complete absence of educational and professional development opportunities at traditional institutions such as universities, there is no clear career path into the field of GHG management. Therefore, a rigorous training, membership, and professional certification programs will provide aspiring experts a clear career path that will enhance our ability to address the human resource needs that will result as we scale up our efforts to address climate change.

We sincerely fear the specter of discredit that would fall upon the entire endeavor of meeting the challenge of climate change if GHG policies and markets were to experience scandals like those in the financial world. The numbers upon which we build climate change polices and carbon markets must be of the upmost credibility.

To our alumni, we congratulate you in your choice to add GHG management to your professional toolbox and promise that there is much more to come.





Our primary learning strategy is a blend of the best of e-learning and interaction with experienced instructors. E-learning is a highly-effective means of reaching out, educating, and bringing together people around the world.

There are many advantages to e-learning, including:

- learners can proceed at their own pace, an approach that has been proven to maximize knowledge and skill acquisition;
- the course is always 'on', minimizing the delivery challenges associated with the classroom;
- the course can be taken 'anytime, anywhere', improving access for learners in all countries and locations;
- the cost of training can be minimized without sacrificing quality; and
- we can avoid the emissions associated with traveling and commuting while still providing global access to world-class instructors.

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*"...on average,  
students in online  
learning conditions  
performed better  
than those receiving  
face-to-face  
instruction"*

*- U.S. Department of  
Education, 2009*

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Increasing numbers of reviews of learning effectiveness point to e-learning not only being on par with classroom-based learning, but more recent studies are showing e-learning as being more effective:

**"The meta-analysis found that, on average, students in online learning conditions performed better than those receiving face-to-face instruction"**

*- Evaluation of Evidence-Based Practices in Online Learning: A  
Meta-Analysis and Review of Online Learning Studies, U.S.  
Department of Education, 2009*

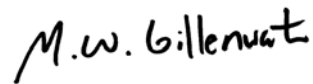
We are proud to have been able to provide financial assistance to many deserving non-profit and developing country learners despite our limited scholarship funds. We appeal to governments and foundations to help us build our scholarship fund to meet the high interest and demand developing country stakeholders. Leaders and organizations around the world regularly proclaim the critical need for capacity building around the world, especially on the critical function of GHG emissions monitoring, reporting, and verification, but little support has historically followed these strong words. We believe that international capacity building, in this context, will be most successful by focusing on individual professionals and the establishment of a true professional community.

Achieving consensus on all aspects of the Institute requires effort on behalf of our stakeholders and members. We invite you to contact us if



you have suggestions or questions, or if you would like to contribute to the development of the Institute. Your involvement is the key to success of the Institute.

Sincerely,



Michael Gillenwater  
Executive Director and  
Co-founder



Tom Baumann  
Co-Founder



Gao Pronove  
Co-Founder





## Mission

*“Our mission is to address climate change by training and developing a global community of experts with the highest standards of professional practice in measuring, accounting, auditing, and managing greenhouse gas emissions; meeting the needs of governments, corporations and organizations large and small.”*

## Vision

*An ever-improving professional society composed of internationally recognized, highly competent, and unquestionably ethical professionals that provide the foundation and leadership for greenhouse gas management globally. Our tagline that best fits our vision is:*

*“The society of greenhouse gas professionals.”*

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*Our vision to become  
“the society of  
greenhouse gas  
professionals.”*

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## Values

Within a new field such as greenhouse gas management, there is a significant risk that individuals will offer services without the necessary competence. With that in mind, the Greenhouse Gas Management Institute operates according to the following core values:

- *Honesty:* Truth and transparency in all aspects of our work.
- *Integrity:* Adhering to ethical principles.
- *Fairness:* Treating others as we would want to be treated ourselves.
- *Responsibility:* Serving others while ensuring that we respect our environment.
- *Service:* Timeliness and quality in our dealings with all our members and stakeholders.
- *Competence:* Promoting educational and practical rigor, seeking to ensure that the professional community is equipped to deliver services at an ever-increasing level of quality.
- *Cooperation:* Working with others to develop and share solutions for the betterment of society and the environment.
- *Leadership:* Providing principle-centered guidance and a vision to the community of greenhouse gas professionals.



## Historical Origins

The Greenhouse Gas Management Institute was founded as a nonprofit organization in 2007. The Institute benefits from strong partnerships with multiple organizations. Following timeline places the history of the Institute in context of broader climate change events.

1990	Intergovernmental Panel on Climate Change (IPCC) publishes first assessment report
1992	Earth Summit, United Nations Framework Convention on Climate Change (UNFCCC) negotiated
1994	The UNFCCC entered into force
1995	IPCC publishes second assessment report
1997	Kyoto Protocol negotiated
2001	IPCC publishes third assessment report World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD) publishes initial GHG Protocol corporate accounting standard
2002	Training program launched by the UNFCCC for GHG inventory compliance expert review teams, developed and taught by future staff of GHG Management Institute
2004	Experts at ClimateCHECK develop training courses for GHG verification and GHG accounting based on ISO 14064 and GHG Protocol
2005	Kyoto Protocol entered into force WRI/WBCSD GHG Protocol for Project Accounting published
2006	GHG Experts Network launched with funding by UNDP as a precursor to the GHG Management Institute Clean Development Mechanism (CDM) begins operation
Early 2007	The leaders of ClimateCHECK, the GHG Experts Network, and GoVida e-Learning begin discussions on formation of a global training and professional institute for GHG experts. Earth Council Geneva with support the Swiss Development Cooperation Agency helps finance first training course.



2007	IPCC publishes fourth assessment report
June 2007	GHG Management Institute incorporated as a nonprofit organization
November 2007	<b>GHG Management Institute publicly launched!</b> Carbon Disclosure Project signs partnership agreement with GHG Management Institute Offset Quality Initiative (OQI) launched with the GHG Management Institute as a founding member
December 2007	World Resources Institute signs partnership agreement with GHG Management Institute
Summer 2008	GHG Management Institute selected by Regional Greenhouse Gas Initiative (RGGI) to develop accreditation and mandatory training program for verifiers
October 2008	GHG Management Institute partners with Point Carbon to develop global online training program on carbon markets.
November 2008	GHG Management Institute partners with World Bank to develop global training program on CDM and Joint Implementation (JI) The UN's Joint Implementation programme selects the GHG Management Institute to develop training program for verifier accreditation panels
January 2009	Regional Greenhouse Gas Initiative (RGGI) emissions cap-and-trade and emission offset programs launched
February 2009	GHG Management Institute and Sequence Staffing release 2009 Greenhouse Gas and Climate Change Workforce Needs Assessment Survey Report
March 2009	GHG Management Institute trains Standards Council of Canada assessors on ISO 14064 and 14065
Fall 2009	GHG Management Institute partners with Harvard University Extension School to teach graduate course in sustainability, GHG management and accounting.
November 2009	GHG Management Institute launches new global membership program and publishes its first biennial report.



## Progress Report

In the two years since its launch the GHG Management Institute has accomplished a great deal for a new organization. Like many nonprofit organizations, the current state of the global economy has created financial challenges. Given these challenges, the Institute's accomplishments are all the more impressive.

The Institute is organized into four (4) main programmatic areas: the Educational programs, Membership program, Professional programs, and Solutions. The Institute has also benefited from a number of key partnerships and begun to find sponsors for its critical work. Although the journey to a fully established and truly global professional society has just begun, it is useful to reflect on what has been accomplished in two short years.

### Educational Programs

In its first two years, the Educational Programs functioned as the core of the Institute's operations. Given the almost complete dearth of training and educational opportunities for those serious about developing an expertise in GHG emissions accounting, auditing, and management, it was obvious that training would be one of the first areas in which to focus.

In November 2007, the Institute was launched as the first global training institution focused on GHG management. After building a full online "university" and establishing academic policies, a comprehensive curriculum was created.

By design, the Institute's courses were from day one, globally accessible using online e-learning technologies. Equally important is that the Institute established clear policy to provide financial assistance and full scholarships, when possible, so that neither geography nor ability to pay would prevent committed individuals from developing themselves professionally.

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*The Institute trains the international experts working under the auspices of the UNFCCC to review the national GHG inventories of Parties to the Convention and its Kyoto Protocol.*

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In its first two years, the Institute provided US\$166,245 of financial aid and scholarships to 125 scholars, primarily in developing countries.

In its first two years, the Institute also recruited world-class faculty to serve as course developers and instructors and deployed six (6) rigorous and one-of-a-kind courses on various aspects of GHG management. Specifically, as of November 2009, the Institute's curriculum included the following courses:

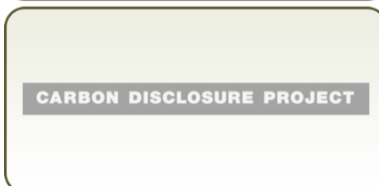
#### Current courses

102 Introduction of Carbon Markets
201 Basics of Organizational GHG Accounting
202 Basics of Project-level GHG Accounting
211 GHG Information Management Systems
251 Carbon Disclosure Project: Responding to the Questionnaire
401 GHG Verification for Inventories and Projects

Several of these courses have been developed with the support of key partners. Specifically, our Introduction to Carbon Markets course is a joint initiative with Point Carbon.



The GHG Protocol team at the World Resources Institute (WRI) is one of the GHG Management Institutes first and most important partners. WRI collaborated to develop the Institute's first course, the Basics of Organizational GHG Accounting.



In collaboration with the Carbon Disclosure Project (CDP), the Institute developed a custom course focused on helping companies complete the climate risk assessment portions of the CDP questionnaire.



The Institute's most rigorous and lengthy course to date is its course on GHG Verification for Inventories and Projects. This course was developed, in part, for the Regional Greenhouse Gas Initiative's (RGGI's) program and was selected as the mandatory training course for RGGI project verifiers.



Continuing efforts started in 2002 by the staff of the Institute, the program for training, testing, and approving experts to serve on the United Nations Framework Convention on Climate Change's (UNFCCC's) Expert Review Team members was officially brought into the Institute. These teams constitute the core of the UNFCCC and Kyoto Protocol compliance process by reviewing national GHG emission inventory and other compliance systems.

As a first of its kind experiment, the Institute is also working with the Kyoto Protocol's Joint Implementation program to develop training for their accreditation assessors for verification bodies (i.e., Accredited Independent Entities).



In the fall of 2009, the Institute partnered with the Harvard University Extension School to teach a new graduate course on GHG accounting and management (ENV 157).

Below is a summary of the Institute's Educational programs other accomplishments:

- Delivered training on monitoring, reporting, and verification at the International Climate Action Partnership (ICAP) 2009 Summer School in Berlin, Germany.
- Delivered training on corporate GHG accounting and management for the National Association for Environmental Management (NAEM) in Boston, Massachusetts.
- Trained the staff of the Standards Council of Canada on ISO 14065 in support of their accreditation processes.
- Trained the staff of Environment Canada on the assessment and interpretation of uncertainties in national GHG emission inventories.
- Developed two (2) training courses on climate change and corporate GHG management for the Accenture Supply Chain Academy.
- Delivered a training webinar for the members of the Electric Power Research Institute (EPRI) on GHG accounting issue in the electric power industry.
- Trained the board of directors for the El Paso Corporation on climate change policy and GHG management issues.





Learners that take courses at the Institute are further rewarded with individual licenses to the ISO standards relevant to each course. This benefit is provided through an agreement with the Standards Council of Canada.



Looking forward, in December 2009 the Institute will be launching a new course titled Clean Development Mechanism and Joint Implementation (CDM/JI): Navigating the Kyoto Mechanisms. This exciting new course is a joint effort with the World Bank's Carbon Finance Assist program.

A summary of key training and learner statistics is provided in the following section of this report.

Other courses that which are more introductory or focus on the technical details in various sectors are also in development, including courses on the following:

#### Future courses

- 101 Introduction to Climate Change
- 301 GHG Accounting for Forest Inventories
- 302 GHG Accounting for Forest Projects
- 311 GHG Accounting for Landfill Methane Projects
- 312 GHG Accounting for Coalmine Methane Projects
- 321 GHG Accounting for Energy Efficiency Projects
- 351 CDM/JI: Navigating Kyoto Project Mechanisms

Lastly, in 2010 the Institute will become accredited as a continuing education provider by the International Association for Continuing Education and Training (IACET). In keeping with educational industry standards, the accreditation process can only begin after an organization has shown itself to have been in successful operation for two (2) years.



## **Membership Program**

As we begin the third year of the GHG Management Institute, our next programmatic focus is membership. The Institute's membership program provides a high quality and attractive home for existing and aspiring GHG professionals.

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*The Institute's Membership Program builds off the success of the Greenhouse Gas Experts Network, with members in over 100 countries.*

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The Membership Program builds off the success of the Greenhouse Gas Experts Network, with over 1,500 members in over 100 countries, and whose functions and members have now been absorbed into the Institute.

The primary venue for providing membership services is a new website portal that allowing members to network, share, and initiate collaborative activities. With over 3,000 members globally already, we expect the size of the membership program to expand and deepen in the coming year.

In the coming year the Institute will expand its membership services to include a broader set of career services, including an apprenticeship program, a webinar series, and potentially a new GHG Management Institute conference.



## **Professional Programs**

As a part of the Institute's mission to advance the professionalization of GHG management, the Institute launched, in 2008, a consultative process to develop an ethical Code of Conduct for GHG practitioners. The resulting Code was released in March 2009 as the first in the field and forms a key pillar of the Institute's Professional Programs.

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*The Institute's ethical Code of Conduct for GHG practitioners was released in March 2009 as the first in the field.*

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Following the release of the Code of Conduct, the Institute is establishing programs for the Certification of GHG Professionals. The first step in this process is the development of detailed competency requirements to supplement the Code. A consensus-based stakeholder committee is being formed to elaborate these competency requirements.

Further work will also be undertaken to establish further conflict of interest requirements as well as code compliance monitoring and enforcement provisions and institutional mechanisms.



## Solutions and Other Partnerships

The Institute's Solutions program (aka: special projects) captures a number of strategic efforts aimed to further the mission of the Institute and show leadership in the field.

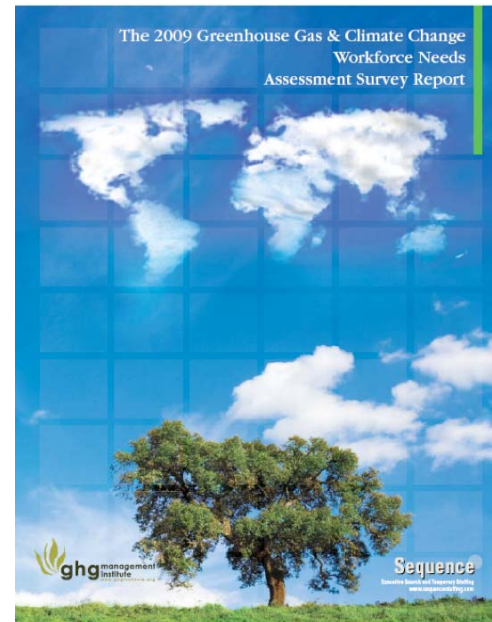
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*The GHG  
Management  
Institute is a founding  
member of the Offset  
Quality Initiative.*

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In February 2009, the Institute and Sequence Staffing release the 2009 Greenhouse Gas and Climate Change Workforce Needs Assessment Survey Report. This first of its kind survey examined the views of senior managers and others experts on the current status of the field.

Institute staff also authored articles in numerous journals and other media outlets such as Point Carbon and Environmental Finance.



The Institute is proud to be one of the six (6) founding members of the Offset Quality Initiative (OQI), which provides leadership on GHG offset policy and best practices. The other members of this collaborative, consensus-based effort are: The Climate Trust, Pew Center on Global Climate Change, Climate Action Reserve (formerly California Climate Action Registry), Environmental Resources Trust/Winrock International, and The Climate Group.

OQI is not a lobbying group, but rather it is an informational resource for policymakers and other stakeholders regarding the appropriate inclusion of offsets in emerging climate policy.

The Offset Quality Initiative achieves its objectives through the development of white papers and regulatory comments, through presentations and workshops, and through meetings with key policymakers, media, and other stakeholders. The following papers were published in 2008 and 2009 by OQI:





- “Ensuring Offset Quality: Integrating High Quality Greenhouse Gas Offsets Into North American Cap-and-Trade Policy.” July 2008
- “Maintaining Carbon Market Integrity: Why Renewable Energy Certificates Are Not Offsets.” June 2009
- “Assessing Quality in the Clean Development Mechanism.” November 2009



One of the first organizations to contract with the Institute for its expertise was the Regional Greenhouse Gas Initiative (RGGI). The Institute developed RGGI’s accreditation system for offset verifiers.

The Institute has established a testing program for GHG information management systems in coordination with the Carbon Disclosure Project. And in 2008, under contract by the UNFCCC secretariat, the Institute prepared a guidance manual on GHG emission inventories for Non-Annex I Party national communications.



In 2009, the GHG Management Institute became a member of U.S. Technical Advisory Group (TAG) for the development of new environmental standards and an international category A liaison member for ISO GHG standards development (ISO TC207 SC7).



One of the Institute’s first corporate partners was Greenhouse Gas Services – a joint General Electric and AES venture—that allowed GGS protocols to be integrated into Institute courses.

And the Institute is proud to have as our first corporate sponsor Blue Source.



Looking forward, the Institute will be repeating and expanding its Workforce Needs Assessment Survey and in 2011 will be launching a new peer-reviewed journal titled *GHG Measurement and Management*, which will be published by Earthscan.



*In total, 429 unique learners have engaged with the Institute, many of which have taken numerous courses.*

## Training and Learner Statistics

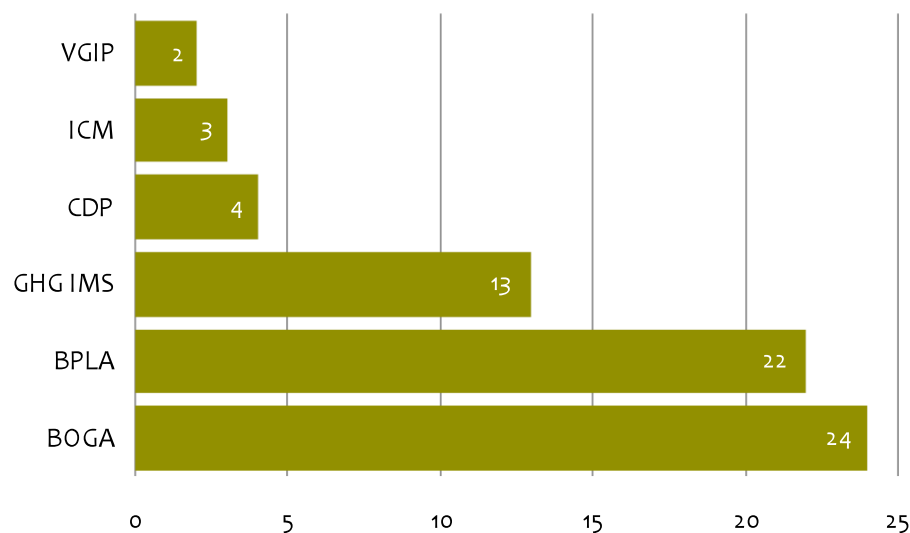
Over the period of November 2007 through October 2009, the GHG Management Institute has deployed six (6) courses, starting with the Basics of Organizational GHG Accounting and with other courses being launched over the two (2) year period.

On average, the Institute has maintained small class sizes so as to maximize each learners opportunity to interact with the Institute's outstanding faculty. Classes average 13 learners and a total of 70 class sessions have been delivered.

### Course abbreviations

ICM	102 Introduction of Carbon Markets
BOGA	201 Basics of Organizational GHG Accounting
BPLA	202 Basics of Project-level GHG Accounting
GHG IMS	211 GHG Information Management Systems
CDP	251 CDP: Responding to the Questionnaire
VGIP	401 Verification for GHG Inventories and Projects

### Classes offered in first two years by course



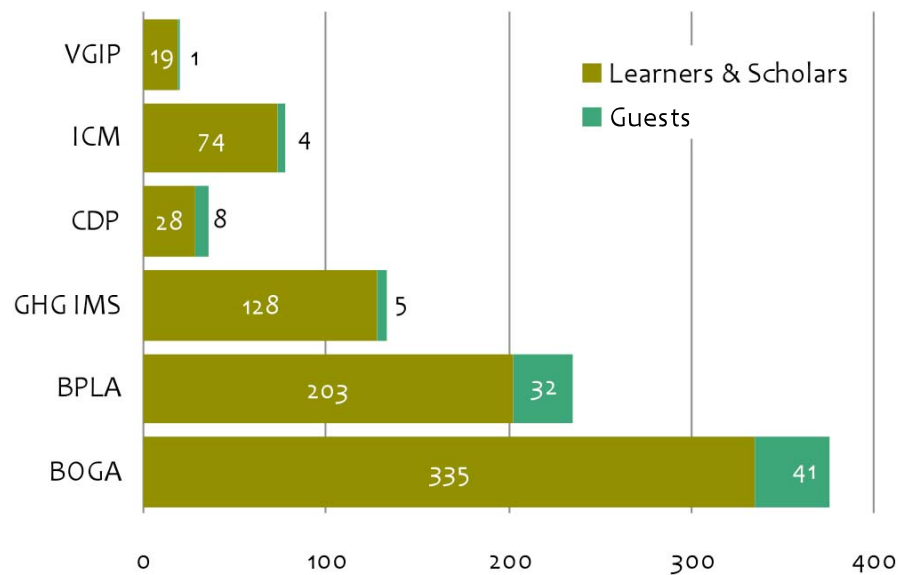




*Learners represent a total of 49 different countries.*

In delivering these 70 class sessions, a total of 878 non-unique learners (787 learners/scholars and 91 guests) were provided training. The distribution of learners across courses reflects the length of time each course has been offered. In total, 429 unique learners have engaged with the Institute, many of which have taken numerous courses.

### Learners in each course

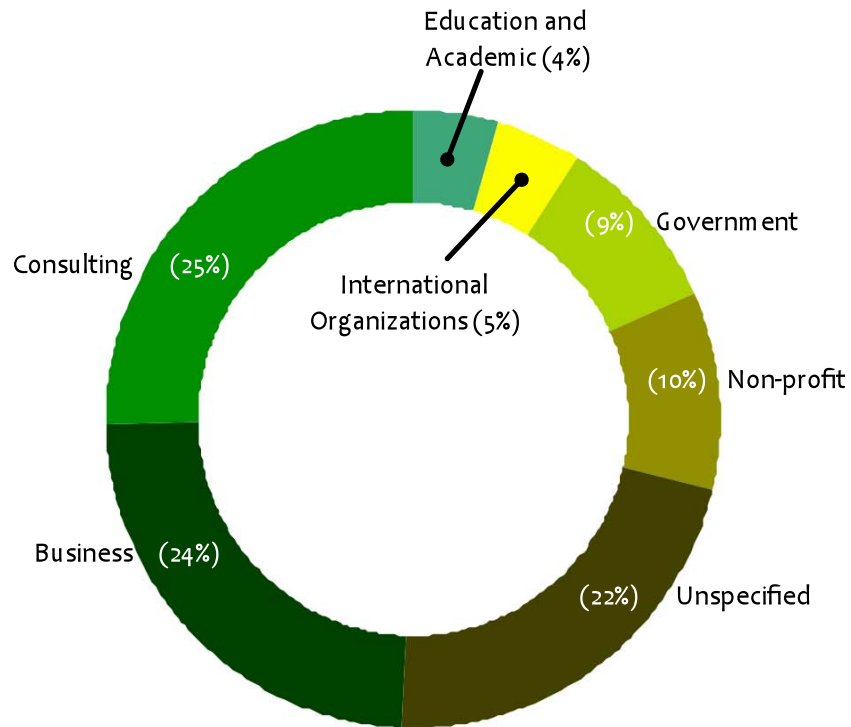


The Institute's learner population is currently nicely varied across industries and sectors as well as geographically. Learners represent a total of 49 different countries. There is a bias towards learners in English-speaking countries, although this bias should be reduced as Institute courses in other languages are released.

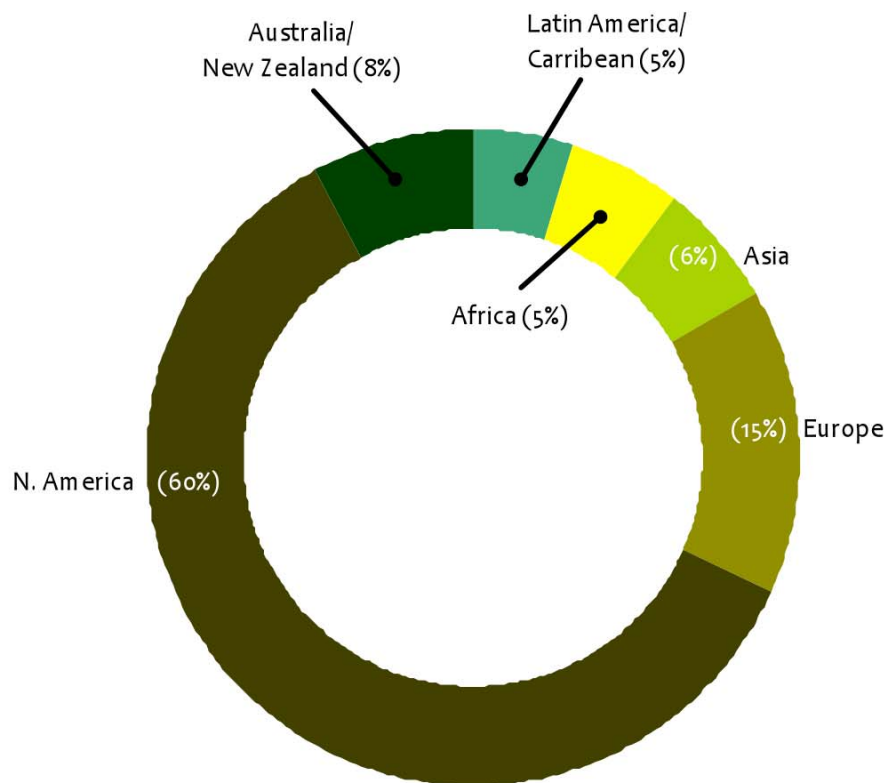
Our learners span an array of organizations including NASA, Smithsonian Institute, International Finance Corporation, Inter American Development Bank, Underwriters Laboratories, Global Reporting Initiative, Deloitte, Ernst and Young, Accenture, EDS, KPMG, PWC, SGS, BSI, URS, Arup, International Energy Agency, UNDP, IBM, Oracle, ATT, HP, Sony Ericsson, Shell, Chevron, ConocoPhillips, Alcoa, Waste Management, BHP Billiton, Direct Energy, Carnival, World Business Council for Sustainable Development, Environmental Defense Fund, Winrock International, Walt Disney, U.S. EPA, U.S. DOE, U.S. Forest Service, U.S. Postal Service, U.S. AID, and U.S. GAO.



### Number of learners by sector



### Number of learners by region





## Board of Directors

The GHG Management Institute is incorporated in the United States as a not-for-profit corporation, recognized under section 501(c)(3) of the Internal Revenue Service Code. As such, the Institute is governed by an independent and volunteer board of directors who provide oversight and leadership to ensure that the organization is operating in keeping with its mission and bylaws. Although board members are listed along with their organizational affiliation, they act in their individual capacity as board members.

Randy Freed (Chairman of the Board)  
Senior Vice President  
ICF International

Wiley Barbour (Treasurer)  
Vice President for Corporate Development  
Camco North America

Ralph Strebel (Secretary)  
Senior Legal Counsel  
Carbon Conservation Pte Ltd.

Gord Miller  
Environmental Commissioner of Ontario, Canada



## Advisory Board

The GHG Management Institute's advisory board provides strategic guidance and serves as a thoughtful sounding board for the Institute. The advisory board helps ensure that the Institute remains true to its mission. Although advisory board members are listed along with their organizational affiliation, they act in their individual capacity as board members.

Dominique Revet  
Programme Officer, National  
Communications Support Unit  
United Nations Climate Change  
Secretariat (UNFCCC)

Jonathan Klavens  
Principal  
Klavens Law Group, PC

Matt Spannagle  
Technical Director, MDG Carbon Facility  
UNDP

Einar Telnes  
Senior Advisor  
Point Carbon

Randy Freed  
Senior Vice President  
ICF International

Jim Sullivan  
Sustainability Advisory  
SAP Carbon Impact

Andrea Denny  
Municipal Clean Energy Program  
Manager, State & Local Branch, US EPA

Craig Ebert  
Executive Vice President  
ICF International

Wiley Barbour  
Vice President, Corporate Development  
Camco North America

Tom Murray  
Project Manager, Corporate Partnerships  
Environmental Defense Fund

Pankaj Bathia  
Director, GHG Protocol Initiative  
World Resources Institute

Derek Porter  
Director of Policy  
Greenhouse Gas Services, LLC

David Goldston  
Director of Government Affairs  
Natural Resources Defense Council

Veronique Bugnion  
Global Head, Trading Analytics and  
Research  
Point Carbon

Jochen Harnisch  
Manager, Energy and Climate Strategy  
KfW Entwicklungsbank

Michael Schlup  
Director  
Gold Standard Foundation



Derik Broekhoff  
Vice President of Policy  
Climate Action Reserve

Katie Bickel  
Independent Consultant  
Expert in Agriculture and Forestry

Terry Tamminen  
Cullman Senior Climate Fellow  
New America Foundation

Jeff Newman  
Member of Senior Staff of the Secretary  
California Business, Transportation and  
Housing Agency

Nigel Topping  
Head of Supply Chain  
Carbon Disclosure Project

Lois Guthrie  
Technical Director  
Carbon Disclosure Project

Jonathan Shopley  
Managing Director  
The CarbonNeutral Company

Ms. Toni Yulo-Loyzaga  
Executive Director  
Manila Observatory

Zenas Hutchinson  
Senior Managing Director  
Vesbridge Partners

Mark Ritchie  
State Secretary  
State of Minnesota

Scott Weicht  
Team Captain  
Adolfson & Peterson Construction

Mark F. Joerger  
President  
E7 Success Strategies

Ben Feldman  
Executive Director, Environmental  
Markets Strategy  
JP Morgan Chase

Tod Delaney  
President  
First Environment

Chris Hunter  
Vice President, Carbon Finance, US  
Climate Change Capital

Jason Patrick  
Vice President, Carbon Emissions North  
America  
Bank of America - Merrill Lynch  
Commodities

Jeremy Dockter  
Founder  
The Kinetic Group

Darius Nassiry  
Country Director and Director, Climate  
Change Department of Compact  
Development  
Millennium Challenge Corporation

Dr. Mark Trexler  
Director, Climate Strategies and Markets  
DNV Consulting

Michael Lazarus  
Senior Scientist  
Stockholm Environment Institute - US

Gordon Smith  
Director, EcoLands Program  
Environmental Resources Trust



Tom Arnold  
Vice President of Energy Efficiency and  
Carbon Solutions  
EnerNOC, Inc

David Gottfried  
CEO  
Regenerative Ventures

Ralph Strebel  
Senior Legal Counsel  
Carbon Conservation Pte. Ltd.

Gord Miller  
Environmental Commissioner  
Ontario, Canada

Tinus Pulles  
Senior Scientist  
TNO Built Environment and Geosciences





## Staff and Faculty

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*The GHG  
Management  
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a small but  
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staff and faculty.*

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The GHG Management Institute operates with a small but committed and highly experienced staff and faculty. Additionally, the Institute operates an internship program, which supported four (4) interns in 2008 and another four (4) in 2009.

### Staff

#### **Michael Gillenwater**

Michael is co-founder of the GHG Management Institute. As Executive Director and Dean of Educational Programs he is charged with developing and directing the overall instructional program at the Institute. Michael has dedicated his career to the development of the policies and infrastructure needed to produce highly credible environmental information that can serve as the basis of market and other compliance mechanisms, especially monitoring and verification policies and management and reporting systems for greenhouse gases and other ecosystem services.

#### **Tom Baumann**

Tom is co-founder and Director of Strategic Solutions and Partnerships at the GHG Management Institute. Tom is also Co-founder and CEO of ClimateCHECK, a GHG management services and solutions company. Tom has worked in progressively senior positions since 1998 and has worked in nearly all market segments, ranging from clean technology R&D to corporate GHG management systems, to government policy and program design and implementation.

#### **Stelios Pesmajoglou**

Stelios is Director of Professional Programs at the GHG Management Institute and is responsible for developing the professional certification programs. Stelios has more than 14 years of national and international experience on a broad range of issues relating to climate change. His main area of expertise is policy and technical aspects of climate change mitigation, including: negotiations on climate change; evaluation of mitigation options for the reduction of greenhouse gas emissions; development of guidelines on reporting and review of information under the UNFCCC and its Kyoto Protocol; preparation and technical evaluation and auditing of greenhouse gas emission inventories; and national reports on actions to address climate change.

**Gao Pronove**

Gao is a co-founder of the Greenhouse Gas Management Institute, where he serves as Director for Business Development. He works on the Institute's reach through partnerships with various organizations globally and helps develop business opportunities.

**David Sigler**

David is Managing Director at the GHG Management Institute and is responsible for operational and financial management of the Institute. David brings over 28 years of experience in the areas of executive management, product management, project management, financial management, marketing, sales, and software development to the role.

**Tim Stumhofer**

Tim is a Program Associate at the GHG Management Institute and is responsible for expanding the reach and impact of the Institute's programs. Supporting Institute membership and professional initiatives, Tim provides key strategic coordination. Prior to joining GHGMI staff, he focused on matters relating to governance, education, and implementation in the global carbon market.

**Jake Carney**

Jake Manager of Member Services and is responsible for managing the Institute's membership program. This includes building the membership platform, growing the membership base, and serving the membership community. He will also be working on various marketing efforts to further promote the reputation and capabilities of the Institute.

**Rebekah Sigler**

Rebekah is the GHG Management Institute's Administrative Assistant and is new to GHG management, but is fascinated by the quickly evolving industry and excited to be working alongside the committed staff and faculty of the Institute. She previously spent several years teaching fine arts in both the private sector and for various schools, and has also tried her hand at community theatre producing a show in 2005.



## *Faculty*

Patrick Hardy  
ClimateCHECK

Taryn Fransen  
World Resources Institute

Rob Fowler  
Booz & Company

Cynthia Cummis  
World Resources Institute

Lisa Ann Grice  
ENVIRON International Corp.

Penny Baalman  
GHG Offset Services

Raymond C. Pilcher  
Raven Ridge Resources

Chad Leatherwood  
SCS Engineers

Kathryn Bickel  
Climate Action Reserve

Stephen Seres  
Independent consultant

Steve McDonough  
IHS, Inc.

Tom Johnson  
ClimateCHECK

Alexia Kelly  
World Resources Institute

Elizabeth Zelljadt  
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The society of greenhouse gas professionals

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