

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

Kuala Lumpur, Malaysia | 24th - 28th November 2014

An Intensive 5 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
2014

Day 1-2: Inventory & Management
Day 3-5: Verification



Baumann, Tom

Co-founder & Director of the
Greenhouse Gas Management Institute
MRV Expert

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Online training, networking, professionalizing
The society of greenhouse gas professionals

RELEVANT EXPERIENCE (PARTIAL LIST)

- Chair, ISO Climate Change Standards (TC207/SC7)
- GHGMI Members and Alumni in over 100 countries
- Capacity Building for National GHG Inventory Systems in Developing Countries (2011 - 2014)
- Development of GHG Training Course and Support for the UNFCCC Joint Implementation Verification Accreditation Experts (2009 - ongoing)
- ISO 14064 Training and ISO 14065 Verification Accreditation Support for Standards Council of Canada (2009)
- Former Director, DNV Climate Change Services North America
- MRV training in China, SE Asia, Middle East, North America.

KEY BENEFITS OF ATTENDING

- Engage in an intensive 5 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

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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

Day ONE

- Introduction and Overview to Organizational GHG Accounting and Management
- Organizational Boundaries
- Operational Boundaries
- Tracking, Calculating, Reporting and Managing
- Data Collection and Calculation
- Inventory Quality Management



Day TWO

- Elements of GHG Inventory Reports
- Preparing for GHG Management
- Assessing GHG Mitigation Opportunities
- Planning GHG Management Activities
- GHG Knowledge Management



Day THREE

- Introduction to GHG Verification
- Principles and Concepts of GHG Verification
- Overview of GHG Verifier Requirements
- Preparations for a Verification Engagement



Day FOUR

- Reviewing GHG Documentation
- Reviewing Controls Procedures and Data
- Assessing Uncertainty and Risk



Day FIVE

- Planning the Verification
- Executing the Verification
- Completing the Verification



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.



Baumann, Tom

Co-founder & Director of the Greenhouse Gas Management Institute
MRV Expert

Tom Baumann is co-founder of the GHG Management Institute and serves as Director of Strategic Solutions and Partnerships. Tom's expertise is focused on GHG measurement, reporting, and verification (MRV) as well as knowledge management and structured collaboration, particularly GHG standardization and programs. Tom was lead author for the ISO publication on the status and road ahead for GHG standards (www.iso.org/iso/ghg_climate-change.pdf).

Tom is Chair of ISO Climate Change Standards (ISO TC207/SC7). Tom has been a major contributor to the development of the standards, tools, and systems to support GHG technologies as well as GHG credits for both voluntary and regulated markets. Tom was the main author of the ISO 14064-2 International Standard for GHG Projects, which has been adopted by various GHG initiatives. Tom was also a significant contributor to the development of the WRI-WBCSD GHG Protocol for Projects as best practice guidance on how to do GHG project accounting. Tom is GHGMI's representative to ISO TC 207 SC7 (GHG standards). Tom is a member of the advisory committee for the Climate Disclosure Standards Board.

Supporting development of GHGMI's extensive training curriculum, Tom co-developed training courses for corporate climate disclosure, GHG project accounting and GHG verification. Tom instructs GHGMI's course for verification of GHG inventories and projects.

Since 1998 Tom has worked in progressively senior positions in the private sector, public sector and nonprofit sector. He has worked on and managed projects ranging from clean technology R&D to corporate GHG strategies and management systems, to government policy and program design and implementation.

Prior to co-founding GHGMI, Tom co-founded ClimateCHECK – a GHG services firm. Previously Tom was Director of Climate Change Services for North America for Det Norske Veritas. Prior to DNV, Tom worked for the Government of Canada's climate change Technology Early Action Measures Initiative – a government fund having invested in more than 140 GHG technology demonstration projects with a total investment of more than \$1.2 billion. Tom led development of the System for Measurement And Reporting for Technologies (SMART) for the Government of Canada, which has been adopted by Sustainable Development Technologies Canada, a leading green investment program. Prior to working with the Government of Canada, Tom was an environmental consultant developing techno-economic GHG models, strategic studies and market research. In 2010 Tom led the launch of Interactive Leader | Collaborase web software to support structured collaboration (e.g. Standards 2.0).

Tom has a B.A. in environmental economics and completed graduate studies in climate change economics. Tom also has a B.Eng. and M.Eng. in environmental engineering, specializing in GHG modeling and clean energy technologies, as well as certificates in sustainable business and environmental impact assessment. Tom is a registered professional engineer in the Province of Ontario, Canada.

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