

## **Building a Verifiable Greenhouse Gas Emissions Inventory for Organizations**

### **3 day workshop**

Climate change affects all parts of the economy. With movement towards a carbon-constrained world, there is a growing interest in understanding greenhouse gas emissions; and more and more organizations are being asked to disclose their carbon footprint whether for stakeholder transparency or legal emissions accounting and reporting.

Understanding an organization's carbon footprint requires the development of a robust emissions inventory and emissions accounting and reporting process – this requires a broad understanding of non-financial accounting, engineering, data management, IT Security, assurance, and other subject matters.

This workshop is designed to give organizations and their advisors an overview of the requirements for establishing a robust emissions inventory; along with discussions around :

- the key questions of boundary and scope of the inventory;
- quality controls and robust monitoring & reporting methodologies;
- understanding the expectations of third part assurance providers, eg for emissions trading , carbon offset or regulatory reporting purposes; and
- the different emissions reporting and trading schemes in operation around the world.

Dependent upon the circumstances of the course, it may be delivered on the basis of a specific set of Protocols, for example the Climate Registry, otherwise the protocols used as the basis of exercises will be based on ISO14064 and/or the internationally recognised GHG Protocol established by WBCSD and WRI.

This workshop runs as an intensive 3 day event; and includes overnight homework exercises; a typical timeline follows overleaf.

Delegates do not require any prior knowledge of emissions accounting and management to attend this workshop. However, understanding of technical issues associated with industry will be expected.

Courses can also be delivered as on-site sessions for individual clients, with additional time for on-site assessments using the organization's own (or their own client's) sites, depending upon requirements.

Multiple delegate discounts are available, and on-site courses are priced separately, please contact Future Perfect for more details.

**Web (bookings) :** <https://futureperfecttraining.gpworldwide.com>

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## 3 day workshop

Session Agenda		Approach
<b>Day 1</b>		
Morning	History & context of emissions accounting Mechanics of emissions accounting & trading Action & players	Presentation, discussions, brainstorm
Afternoon	<i>Risks &amp; opportunities for business</i> Overview of accounting & reporting process Key scheme & protocol questions <i>Exercise – Boundaries</i> <i>Exercise - Sources</i>	<b>Brainstorm exercise</b> Presentation, discussions, brainstorm  <i>Case study exercise</i> <i>Case study exercise</i>
<b>Day 2</b>		
Morning	Key principles of emissions accounting Mapping process and data flow <i>Exercise - Mapping</i>	Presentation, discussions, brainstorm  <i>Case study exercise</i>
Afternoon	Emissions Calculations <i>Exercise - Emissions Calculations</i> Risks on, and controls of, emissions calculation processes Issues around Metering Requirements of robust accounting protocols and monitoring plans <i>Exercise - Protocols &amp; Methodologies</i>	Presentation, discussions, brainstorm <i>Case study exercise</i> <b>Brainstorm exercise</b>  Presentation <b>Brainstorm exercise</b>  <i>Case study exercise</i>
<b>Day 3</b>		
Morning	Internal Assurance <i>Exercise - Data analysis</i> <i>Exercise - Materiality</i>	Presentation, discussions, brainstorm <i>Case study exercise</i> <i>Case study exercise</i>
Afternoon	Overview of GHG Reporting Processes Overview of the Verification Process Integration with other Management Systems	Presentation, discussions, brainstorm