

Carbon Accounting, Reduction and Credit Integrity Training Course

29 August – 2 September 2027
Johannesburg

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Ref: 2194_260550 **Date:** 29 August – 2 September 2027 **Location:** Johannesburg **Fees:** 4500 Euro

Overview

Carbon Accounting, Reduction and Credit Integrity Training Course is a one-week professional course for sustainability, finance, operations, reporting, risk, and environmental teams, who leave with a Carbon Inventory, Reduction and Credit Due Diligence Pack. The course connects GHG inventory boundaries, Scope 1, 2 and 3 emissions, activity data, emission factors, data controls, abatement choices, and carbon credit integrity. Agile Leaders Training Center develops carbon accounting and credit integrity practice.

Who Should Attend

- People responsible for organizational GHG inventories and carbon reporting
- Teams responsible for energy, fuel, transport, waste, and process data
- Functions responsible for emissions reduction planning and investment choices
- People responsible for carbon-credit procurement and risk review
- Assurance and control functions responsible for inventory evidence

The course assumes participants can work with spreadsheets and operational records; it leaves out emissions-trading compliance, project validation, certification claims, and CCUS engineering.

Departments and Industries

The course supports carbon measurement and reduction decisions across service and asset-intensive organizations.

- Sustainability and environmental management functions
- Finance, reporting, risk, and internal control teams
- Energy, facilities, and operations departments
- Manufacturing, logistics, and supply-chain organizations
- Technology, healthcare, and professional services
- Procurement and supplier management functions

Learning Objectives

By the end of this course, participants will be able to:

- Analyze organizational and reporting boundaries for a GHG inventory.
- Apply emission factors to Scope 1, 2 and 3 activity data.
- Build data controls and an inventory evidence trail.
- Compare reduction levers using abatement criteria.
- Evaluate carbon credits for integrity and claim risk.
- Build a carbon accounting and reduction action pack.

Course Agenda

Day 1: Define the GHG Inventory

- GHG Protocol Corporate Inventory Principles
- Organizational Boundary and Consolidation Decision Tree
- Reporting Boundary and Source Register
- Scope 1, 2 and 3 Classification Matrix
- Base-Period and Recalculation Policy Template

Day 2: Calculate Organizational Emissions

- Activity Data Collection and Ownership Sheet
- Emission Factor Selection and Version Log
- Scope 1 Combustion, Process, and Fugitive Calculation
- Scope 2 Location-Based and Market-Based Calculation
- Relevant Scope 3 Screening and Calculation Plan

Day 3: Control and Report the Inventory

- Data Quality and Uncertainty Assessment
- Calculation Review and Exception Checklist
- Inventory Evidence and Audit Trail Index
- GHG Inventory Change Control Log
- Carbon Inventory Reporting Pack

Day 4: Prioritize Reductions and Credits

- Emissions Hotspot and Driver Analysis
- Reduction Lever Identification Canvas
- Marginal Abatement Cost Comparison
- Internal Reduction and Offset Separation Rule
- Carbon Credit Integrity Due Diligence Checklist

Day 5: Practice Carbon Decisions

- Exercise: Classify Scope 1, 2 and 3 Sources
- Exercise: Calculate an Emissions Sample
- Exercise: Test Inventory Data and Evidence
- Exercise: Compare Abatement and Credit Options
- Capstone Exercise: Complete the Carbon Inventory, Reduction and Credit Due Diligence Pack

Practical Exercises

The course uses suggested activities based on manufacturing, logistics, facilities, healthcare, and professional services.

- Suggested activity: define organizational boundaries and classify a mixed set of emissions sources.
- Suggested activity: calculate emissions from fuel, electricity, transport, waste, and supplier activity data.
- Suggested activity: rank reduction measures by impact, cost, feasibility, and dependency.
- Suggested activity: evaluate a carbon credit against additionality, permanence, quantification, verification, and double-counting risks.

FAQs

Who suits carbon accounting and credit integrity training?

Carbon accounting and credit integrity training suits professionals who collect activity data, calculate or review emissions, plan reductions, or evaluate carbon credits and who can work with operational records and spreadsheets.

How does carbon accounting training differ from emissions-trading training?

Carbon accounting training builds organizational inventories and reduction decisions, while emissions-trading training focuses on regulated market obligations, allowance transactions, and trading controls.

What are Scope 1, 2 and 3 emissions in carbon accounting?

Scope 1 covers direct emissions from owned or controlled sources, Scope 2 covers purchased-energy emissions, and Scope 3 covers other indirect value-chain emissions.

How should organizations prioritize emissions reductions?

Organizations should compare emissions impact, cost, feasibility, timing, dependencies, operational risk, and evidence quality before sequencing reduction measures.

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What makes a carbon credit suitable for due diligence?

A carbon credit requires review of governance, transparency, additionality, permanence, quantification, independent validation and verification, double-counting controls, safeguards, and retirement evidence.

Conclusion

Participants take back a Carbon Inventory, Reduction and Credit Due Diligence Pack connecting boundaries, sources, calculations, controls, abatement choices, and credit checks. It makes reported emissions and assumptions traceable. The pack supports consistent inventory updates, evidence-based reduction priorities, and documented decisions when carbon credits are considered separately from internal reductions.