



ESG Masterclass Series: Carbon Management



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Enterprise
Singapore

ESG Masterclass Series: Carbon Management



Join us today!

Please refer to PwC Academy's website for the specific course dates

The course will launch in April 2023 and run till March 2025

New world.

New skills.

As countries and industries globally transition to low carbon economies, PwC's ESG Masterclass Series: Carbon Management will help equip participants with vital knowledge and skills needed to embark on their decarbonisation journey, mitigating risks and capturing emerging opportunities.

The course provides a comprehensive approach to carbon management, from calculating your Scope 1, 2 and 3 carbon footprint to setting decarbonisation targets, applying decarbonisation methodologies and reporting.

Learning objectives

To transition to a low carbon economy, companies must first understand what their emissions are and how they can be managed. This process can be very technical, and requires skilled expertise, which most companies - regardless of size - need to build the capability for. This course seeks to train company representatives in carbon management so that companies are sufficiently prepared to embark on their decarbonisation journey.

This course has been designed for participants to:

Understand key decarbonisation concepts and terms

Learn about global and local regulations

Take steps to establish your greenhouse gas (GHG) inventory

Find out which decarbonisation method is best for your company

Set targets and plans



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Enterprise Sustainability Programme - Sustainability courses

About the Enterprise Sustainability Programme - Sustainability courses

The Enterprise Sustainability Programme (ESP) supports Singapore businesses to build capabilities in sustainability and capture new opportunities in the green economy. As part of the initiatives under the ESP, Enterprise Singapore has partnered industry players to conduct a series of ESP-Sustainability Courses to help businesses build awareness and knowledge in sustainability.

Foundational

The ESP Foundational Course aims to equip business leaders with basic awareness and knowledge of sustainability, and serves as a foundation for businesses seeking to build capabilities for the green economy and develop a plan for sustainability efforts. Participants are provided access to tools and resources to assess the current sustainability readiness and performance of their businesses.

PwC's ESG Essentials for Small and Medium-sized Enterprises (SMEs) is one of the ESP Foundational Courses.

Decarbonisation

The ESP Decarbonisation Course aims to equip business leaders with key knowledge to embark on decarbonisation, including principles of carbon accounting and disclosures, setting of decarbonisation targets, and means of decarbonisation. Participants can access tools and frameworks to learn the basics of carbon accounting, and identify decarbonisation pathways for their businesses.

ESG Masterclass Series: Carbon management is one of the ESP Decarbonisation Courses.

Sustainable Financing

The ESP Sustainable Finance Course aims to build knowledge of sustainable finance amongst business leaders by providing a background to sustainable finance, an overview of sustainable finance instruments, and practical knowledge on how businesses can access sustainable finance for their sustainability efforts.

ESG Masterclass Series: Sustainable finance is one of the ESP Sustainable Finance courses.

There are currently three types of ESP-Sustainability Courses: Foundational, Decarbonisation, and Sustainable Finance. Please refer to the ESP website [here](#) for more information.

ESG Masterclass Series: Carbon Management



The course has been **developed by industry practitioners**, bringing together a wealth of practical and applicable knowledge to maximise strategic ESG business value. The course delivery team sits in PwC's Asia Pacific Centre for Sustainability Excellence, ensuring that all course content is relevant for businesses and up to date with industry best practices and emerging standards. The course also leverages PwC's expertise in sustainability services ranging from developing ESG strategies to adhering to a host of reporting standards.

Who should attend?

Management responsible for carbon measurement and decarbonisation planning

Course overview

Module 1 – Understanding decarbonisation

Decarbonisation is crucial to addressing the climate crisis. Yet, the current level of decarbonisation is still far behind what is needed to limit warming to 1.5°C. The private sector plays a significant role in decarbonisation efforts and companies need to accelerate their transition to a low carbon economy in order to bridge the gap between the climate emergency and a resilient and sustainable economy. This module will outline key concepts and explain the distinctions in commonly used terms.

Objectives:

Participants will learn key concepts of decarbonisation and be able to make a clear distinction between concepts of Net Zero and Carbon Neutrality.

Module 2 – Global and local regulations

Decarbonisation-related regulations are increasing the pressure for businesses to measure and report their emissions and undertake decarbonisation efforts. This is especially significant for companies that are part of larger supply chains where their emissions count towards the Scope 3 reporting of downstream companies. This module will outline regulatory developments with a focus on how they will impact businesses.

Objectives:

Participants will have an overview of global and local regulatory developments in decarbonisation, particularly in relation to their relevance and significance to businesses.

Module 3 – Disclosure and reporting

Participants will be introduced to key GHG measurement and reporting standards to better understand the disclosure landscape and determine which standard their business should align to. This module will also spotlight notable company disclosures.

Objectives:

Participants will become familiar with key emissions reporting frameworks and standards and their utility for companies. They will gain insights into best reporting practices through case studies.

Module 4 – Establishing a GHG inventory

To begin the decarbonisation process, it is imperative for businesses to first understand how to measure and track their emissions. This module begins by covering key measurement standards and terminologies. Following this conceptual groundwork, participants will delve into the details of carbon calculation - starting with scope 1 and 2 on Day 1 of the course and moving on to Scope 3 on Day 2.

Objectives:

Participants will develop an understanding of the GHG Protocol, emissions sources for Scopes 1, 2 and 3 and methods of measuring and calculating company emissions.

Module 5 – Setting decarbonisation targets and plans

This module will outline specific decarbonisation solutions, demonstrating various methods that businesses can adopt to progress their decarbonisation journey. It will also note which methods are more technologically ready and which are more accessible to companies.

Objectives:

Participants will be introduced to a range of decarbonisation methods that can be adopted to reach their emissions reductions targets, including considerations around technology readiness and accessibility.

Module 6 – Decarbonisation methods

This module will introduce participants to the process of developing a decarbonisation strategy and roadmap. Participants will first understand their current emissions baseline and their decarbonisation ambitions. Building on this, the module will provide a walkthrough of the Science Based Target Initiative (SBTi) Target Setting tool, a widely-used, industry accepted tool that applies a science-based methodology to decarbonisation trajectories to meet 1.5°C pathways. The module will also cover the Marginal Abatement Cost Curve and how this can be used to prioritise decarbonisation initiatives.

Objectives:

Participants will learn how to set emissions targets, develop a decarbonisation roadmap and gain familiarity with the concept of a Marginal Abatement Cost Curve.

Subject experts and trainers



Eu-Lin Fang
Sustainability and
Climate Change
Leader

Eu-Lin is a Partner and leads the Sustainability and Climate Change practice in PwC Singapore. She is also part of the wider PwC Global ESG Leadership team. With over 19 years of experience at PwC, Eu-Lin has extensive experience in sustainability and climate advisory and assurance engagements including ESG strategy, ESG reporting and assurance, climate risk assessment, decarbonisation strategies, impact assessment, sustainable development goals. She is a regular speaker on ESG topics including emerging ESG topics. Over the course of her career, Eu-Lin has led projects across financial services (consumer and corporate banking primarily), real estate, oil and gas, utilities, shipping, telecommunications, resources and healthcare.



Cynthia Yap
Senior Manager,
Sustainability and
Climate Change

Cynthia is a Senior Manager within PwC Singapore's Sustainability and Climate Change practice. She has over 7 years of experience at PwC UK providing sustainability advisory and assurance services across a wide range of sectors, including retail, agriculture, manufacturing, foreign aid, utilities and telecommunications.

Cynthia has experience in GHG emissions, decarbonisation strategies, Science-Based Targets, climate risk assessment, ESG strategy, Sustainable Development Goals prioritisation, social impact assessment as well as sustainability reporting assurance.



**Dr Srikanth
Ramachandran**
Manager,
Sustainability and
Climate Change

Srikanth is a Manager in the Sustainability and Climate Change practice at PwC Singapore. Prior to this, he has 8 years of research experience in the field of sustainability and carbon footprinting.

While working in Singapore, he pursued his doctoral research at Technical University of Munich, Germany. In his doctoral thesis, he evaluated the emission reduction potential of use of biomass in Southeast Asia's road transport sector. He has vast experience in development of GHG inventory and life cycle assessment spanning across multiple domains such as transport, renewable energy, waste management, etc.

Programme fees and registration

Learning modalities	In-person sessions
Duration	16 hours in total, over two consecutive days
Programme fees	<p>Full price - SGD \$1,600*</p> <p>Enterprise Singapore subsidised price - SGD \$480*</p> <p>*Fee stated is per participant and excludes prevailing GST, which will be applied on the full price</p>
Class size	20-35 pax

Eligibility conditions

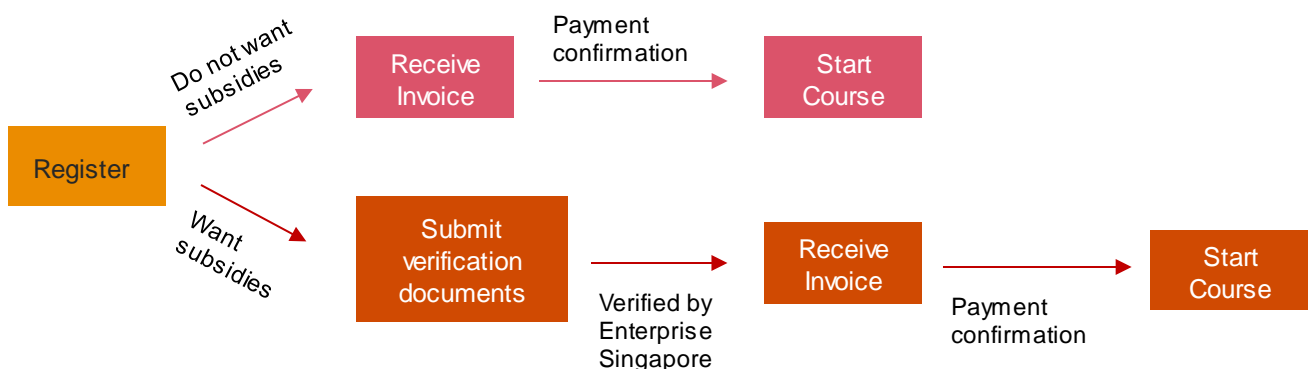
- Subsidised course fee of S\$480 (not inclusive of GST) per participant is only applicable to nominees from local companies¹ and trade associations (TACs)²
- Each eligible entity will be supported for up to a maximum of 3 participants for each type of ESP-Sustainability Course³
- Each individual will only be supported once for each type of ESP-Sustainability Course³
- The company or TAC is liable to make full payment for the course fees if it or its participants are found to be ineligible or fail to complete the course.
- Course completion includes:
 - Participant's attendance of the entire course
 - Obtaining Certificate of Completion (CoC)
 - Submission of post-course feedback form

¹ Business entities registered and operating in Singapore. This excludes: (a) non-profit organisations and charities (registered as public companies limited by guarantee); and (b) foreign companies operating in Singapore (registered as branch or representative offices).

² TACs will need to fulfil the following criteria: a) registered with Registry of Societies (ROS) or Accounting & Corporate Regulatory Authority (ACRA); and b) defined as a non-profit organisation.

³ There are currently three types of ESP-Sustainability Courses: Foundational, Decarbonisation, and Sustainable Finance. Please refer to the ESP website [here](#) for the list of courses under each course type.

Enrolment process



To register: [Click here](#)