



CEP1017: Carbon Markets and Offsetting Module Outline “Self-directed” Online Training

Prerequisites

None

Recommended prior learning/experience

None

Description

This self-directed module aims to provide participants with a thorough understanding of how carbon markets operate, the role of carbon offsetting, and their significance within the New Zealand context. This includes comprehension of the regulatory framework, participation mechanisms, the economic and environmental impacts, and the challenges and opportunities associated with carbon markets and offsetting practices.

Position and pathway

This module has an associated assessment which takes the form of an online examination. Success in the associated assessment is an element of Certified Professional in Carbon professional qualifications.

Delivery mode

The training module consists of six (6) videos, six (6) progression quizzes and one (1) completion quiz. The progression quizzes serve as gatekeeper steps, requiring successful completion before participants can advance to the next lesson.

Hours

This module is split into six (6) lessons and totals approximately two and a half (2.5) hours of viewing time.

Students will be required to undertake six (6) progression quizzes, which should take around five (5) minutes each.

Learning outcomes

By the end of the module, students should:

1. Understand the structure and function of carbon markets globally and within Aotearoa New Zealand, including the distinction between regulatory (compliance) markets and voluntary markets.
2. Identify the types of carbon offsets available in Aotearoa New Zealand, including their sources, verification processes and how they contribute to emission reduction targets.
3. Discuss the role of the voluntary carbon market programmes and standards and organisations like ICVCM in carbon markets and assess the criteria for voluntary carbon offsets focusing on transparency, additionality, permanence, leakage and how these criteria are applied in Aotearoa New Zealand's context.
4. Evaluate the role of carbon pricing in incentivising emission reductions and what impact regulatory and voluntary markets have had on global and local emissions.
5. Analyse the benefits and limitations of carbon markets and offsetting as tools for achieving Aotearoa New Zealand's climate change objectives, considering environmental integrity, social equity and economic efficiency.
6. Discuss the role of indigenous knowledge and perspectives in shaping carbon offset projects in Aotearoa New Zealand, with attention to kaitiakitanga.

Module Structure and Progression

Lesson Outlines	
Lesson 1	Introduction to Carbon Markets <p>Video duration: 16 minutes approximately.</p> <p>Content relates to learning outcomes 1:</p> <ul style="list-style-type: none"> • How do carbon markets work? • Types of carbon markets • Units and credits • Types of direct carbon pricing mechanisms
Progression Quiz 1	
Lesson 2	Global Regulatory Markets <p>Video duration: 8 minutes approximately.</p> <p>Content relates to learning outcomes 2:</p> <ul style="list-style-type: none"> • Introduction to Emissions Trading Schemes • Sector coverage of Emissions Trading Schemes • Revenue Use of Emissions Trading Schemes
Progression Quiz 2	

Lesson 3	Aotearoa New Zealand's Emissions Trading Scheme
	<p>Video duration: 12 minutes approximately.</p> <p>Content relates to learning outcomes 3:</p> <ul style="list-style-type: none"> • Sector coverage and point of obligation • Unit supply • NZU Pricing • Impact of the Emissions Trading Scheme on GHG emissions
Progression Quiz 3	
Lesson 4	Voluntary Carbon Markets
	<p>Video duration: 25 minutes approximately.</p> <p>Content relates to learning outcomes 4:</p> <ul style="list-style-type: none"> • Why does the voluntary market exist? • International Standards • Different types of Voluntary Carbon Market Projects • Integrity of the Voluntary Carbon Market • ICVCM Core Carbon Principles • What programmes have achieved the CCPs?
Progression Quiz 4	
Lesson 5	Voluntary Carbon Market in New Zealand
	<p>Video duration: 10 minutes approximately.</p> <p>Content relates to learning outcomes 5:</p> <ul style="list-style-type: none"> • Status of the Voluntary Carbon Market in New Zealand • Interim Guidance for Voluntary Climate Change Mitigation • Acknowledgement of biodiversity, culture and social benefits
Progression Quiz 5	
Lesson 6	Impact of Carbon Markets and Carbon Offsets
	<p>Video duration: 20 minutes approximately.</p> <p>Content relates to learning outcomes 6:</p> <ul style="list-style-type: none"> • Global GHG emissions continue to rise • Paris Agreement Targets • Regulatory markets as a tool for meeting Paris Agreement • Aotearoa New Zealand's targets and ETS • Effects of the Paris Agreement on the Voluntary Carbon

	Market
Progression Quiz 6	
Completion Quiz	CEP1017: Carbon Markets and Offsetting

Assessment

This training module does not have a formal assessment. CEP runs a credential, assessed by examination for CEP1017: Carbon Markets and Offsetting, which operates independently of this training module. Completion of this module is not a pre-requisite for the formal assessment.

Completion

The module will be considered completed and a digital “Completion” certificate will be available when the student has achieved a score of 75% or above in the Completion Quiz.