Carbon Trading: Current Schemes and Future Developments

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Los Angeles (USA)



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Why This Course

Carbon trading has become an important tool for reducing greenhouse gas emissions and supporting the transition toward low-carbon economies. As compliance markets expand and voluntary carbon markets evolve, professionals need a strong understanding of carbon pricing, emissions trading schemes, carbon credit quality, policy developments, and market participation strategies.

This intensive 1-week Carbon Trading and Carbon Markets Training program provides participants with a comprehensive overview of global carbon trading mechanisms, current compliance schemes, voluntary carbon markets, and future market developments. The course covers emissions trading systems, carbon pricing instruments, credit verification, corporate net-zero strategies, Article 6 of the Paris Agreement, CBAM, market integration, trading strategies, risk management, and carbon price drivers. Through practical case studies and market analysis exercises, participants will learn how to navigate the complex and evolving carbon finance landscape.

What You'll Learn and Practice

By joining this program, you will:

- Understand the fundamentals of carbon trading and emissions trading schemes.
- Compare compliance markets and voluntary carbon markets.
- Identify key players and stakeholders in carbon trading.
- Analyze carbon pricing instruments and their effectiveness.
- Understand major compliance markets, including the EU ETS, North American markets, and China's national ETS.
- Explore emerging carbon schemes in developing countries.
- Understand carbon credit types, quality criteria, and verification standards.
- Assess the role of offsets in corporate net-zero strategies.
- Explore nature-based and technological carbon removal solutions.
- Understand Article 6 of the Paris Agreement and its market implications.
- Analyze carbon border adjustment mechanisms and market integration trends.
- Develop carbon trading, risk management, and market analysis strategies.



The Program Flow

Day 1: Introduction to Carbon Markets

- Understand global carbon trading mechanisms and their role in climate action.
- Identify key stakeholders, including regulators, companies, traders, verifiers, and project developers.
- Compare compliance carbon markets with voluntary carbon markets.
- Explore carbon pricing instruments such as emissions trading systems, carbon taxes, and offset mechanisms.
- Evaluate the effectiveness of different carbon pricing approaches.

Day 2: Current Compliance Markets

- Analyze the structure and operation of the EU Emissions Trading System.
- Explore North American carbon markets, including California, RGGI, and WCI.
- Understand China's national emissions trading system and other Asian carbon markets.
- Review emerging compliance schemes in developing economies.
- Compare market design features, allowance allocation, monitoring requirements, and pricing dynamics.

Day 3: Voluntary Carbon Markets and Offsetting

- Understand the structure and functioning of voluntary carbon markets.
- Identify carbon credit types, project categories, and verification standards.
- Assess carbon credit quality, additionality, permanence, leakage, and credibility.
- Explore corporate net-zero strategies and the responsible role of offsets.
- Review trends in nature-based solutions and technological carbon removal.

Day 4: Market Integration and Future Developments

- Understand Article 6 of the Paris Agreement and its implications for international carbon markets.
- Explore carbon border adjustment mechanisms and their impact on trade and pricing.
- Analyze the linking of regional carbon markets and market integration opportunities.
- Understand emerging technologies in carbon trading, monitoring, reporting, and verification.
- Evaluate how policy changes may affect carbon prices and market behavior.

Day 5: Strategies for Carbon Market Participation

- Develop carbon trading strategies for different market participants.
- Apply risk management and hedging approaches in carbon markets.
- Analyze carbon market trends, supply-demand factors, and price drivers.
- Identify opportunities and risks in compliance and voluntary markets.
- Explore future scenarios and the long-term outlook for global carbon markets.



Individual Impact

- Build confidence in understanding carbon trading and market mechanisms.
- Strengthen skills in analyzing compliance and voluntary carbon markets.
- Improve the ability to assess carbon credit quality and pricing factors.
- Gain practical insight into carbon trading strategies and risk management.
- Develop stronger awareness of future policy, finance, and market opportunities.

Work Impact

- Support more informed participation in carbon markets and climate finance initiatives.
- Improve organizational understanding of carbon pricing and emissions compliance.
- Strengthen decision-making around offsets, carbon credits, and net-zero strategies.
- Enhance readiness for policy changes, CBAM, Article 6, and market integration.
- Identify opportunities for emissions reduction, carbon finance, and strategic market positioning.

Training Methodology

This program combines carbon market knowledge with practical market analysis through:

- Case studies of major compliance and voluntary carbon markets.
- Carbon pricing and emissions trading analysis exercises.
- Carbon credit quality and verification assessment activities.
- Policy impact discussions covering Article 6, CBAM, and market linking.
- Trading strategy, price driver, and risk management workshops.
- Future scenario analysis for carbon markets and climate finance.

Beyond the Course

Upon completion, participants will be able to:

- Explain global carbon trading mechanisms with confidence.
- Analyze compliance and voluntary carbon market structures.
- Assess carbon credit quality, pricing, and verification standards.
- Develop strategies for effective participation in carbon trading.
- Evaluate the impact of policy changes on carbon prices and market dynamics.
- Identify future trends and opportunities in the evolving carbon finance landscape.

