



Institute for Capacity Development (ICD)

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Carbon Trading

Course Objectives

On completion of the course, participants should be able to:

- Explain the concept of carbon trading and its role in mitigating climate change.
- Identify the main sources of greenhouse gas emissions and the sectors that contribute to them.
- Explain the different types of carbon pricing mechanisms (e.g., carbon taxes, cap-and-trade systems).
- Explain the role of market participants (e.g., emitters, traders, investors) in carbon trading.
- Define carbon credits and offsets, and explain their role in carbon trading.
- Explain the role of governments, international organizations, and NGOs in carbon trading.
- Discuss the risks associated with carbon trading and strategies for risk management.
- Explain the role of carbon trading in supporting the United Nations' Sustainable Development Goals (SDGs).

Target Groups

- Development Planners
- Disaster Management Officers
- Environmental and Climate Change Adaptation Consultants
- Planners and Policy Makers

Course Outline

- Introduction to Carbon Trading
- Overview of Climate Change and Greenhouse Gas Emissions
- Understanding climate change and its impacts
- The role of greenhouse gases (GHGs) in global warming
- Introduction to carbon footprints and emissions
- Fundamentals of Carbon Trading
- Definition of carbon trading and carbon markets
- Overview of Cap and trade systems, Carbon offset markets and Voluntary and compliance markets
- Regulatory Frameworks and Market Mechanisms
- International Agreements and Protocols
- The Kyoto Protocol and its significance
- The Paris Agreement and national determined contributions (NDCs)
- Role of the United Nations Framework Convention on Climate Change (UNFCCC)
- National and Regional Carbon Trading Systems

- Overview of different carbon pricing strategies (e.g., taxes vs. trading)
- Mechanisms of Carbon Trading
- Cap-and-Trade Mechanism
- How cap-and-trade works
- Allocation of permits and allowances
- Monitoring, reporting, and verification (MRV) of emissions
- Carbon Offsets and Projects
- Understanding carbon offsets
- Types of offset projects (e.g., reforestation, renewable energy)
- Certification standards for offsets (e.g., Verified Carbon Standard, Gold Standard)
- Carbon Markets and Investment Opportunities
- Understanding supply and demand in carbon markets
- Factors influencing carbon prices
- Role of speculation in carbon trading
- Opportunities for Businesses and Investors
- Identifying business opportunities in carbon trading
- Corporate strategies for managing carbon footprints
- Investment strategies in renewable energy and sustainability projects
- Challenges and Critiques of Carbon Trading
- Criticism of Carbon Markets
- Ethical concerns regarding carbon trading
- Effectiveness of carbon markets in reducing emissions
- Assessment of market volatility and failures
- Addressing Market Challenges
- Innovations and improvements in carbon trading systems
- Strategies for enhancing transparency and reliability
- Role of technology in optimizing carbon markets (e.g., blockchain)
- The Future of Carbon Trading
- The role of technology in creating more efficient markets
- Global developments in carbon trading (e.g., in developing countries)
- Action Planning

Dates: 05th – 16th May 2025

Duration: 2 Weeks

Course Costs: US\$2850/delegate

Venue: Kigali, Rwanda