

# Carbon Pricing Mechanisms

## 1 – Introduction

- 1 Learning objectives of the course
- 2 Introduction to the course

## 2 – Introduction to carbon pricing mechanisms

- 1 The global landscape of GHG emissions
- 2 Comparing GHG emission reductions
- 3 The taxonomy of environmental policy instruments
- 4 Non-carbon pricing mechanisms – an example application of emissions performance standards
- 5 Rationale for putting a price on carbon
- 6 Carbon pricing mechanisms and their basic principles
- 7 Relevance to national energy transition

## 3 – The evolution of carbon pricing mechanisms

- 1 Emissions trading: The EU emissions trading scheme
- 2 Other emissions trading schemes
- 3 Carbon taxes in the OECD countries and emerging markets
- 4 Offsetting: The Clean Development Mechanism and Joint Implementation
- 5 Other offsetting regimes
- 6 Corporate carbon pricing
- 7 The global landscape of carbon pricing mechanisms
- 8 Trends in, and outlook for, carbon pricing mechanisms under the UNFCCC

## 4 – Principles of emissions trading schemes

- 1 Anticipated effects of an emissions trading scheme
- 2 Design features of an emissions trading scheme
- 3 Allocation methods in emissions trading
- 4 Trading emissions under an ETS
- 5 Deriving a carbon price for emissions trading
- 6 The role of monitoring, reporting and verification (MRV) in emissions trading
- 7 Challenges of the EU ETS

## 5 – Principles of carbon taxes

- 1 Anticipated effects of a carbon tax

- 2 Carbon tax design features
- 3 Defining the scope of a carbon tax
- 4 Deriving a carbon price for the tax
- 5 Using tax revenues
- 6 Implementing a carbon tax

## 6 – Principles of offsetting mechanisms

- 1 Anticipated effects of offsetting mechanisms
- 2 Overview of existing offsetting standards
- 3 The offsetting project cycle
- 4 Calculating GHG emission reductions for offsetting projects
- 5 Transparency and accounting for GHG emissions
- 6 Deriving a carbon price in offsetting mechanisms
- 7 Trading carbon credits

## 7 – Analysing the effectiveness of carbon pricing mechanisms

- 1 Emissions trading: Key lessons, barriers and success factors
- 2 Emissions trading: The impact on the energy sector
- 3 Carbon tax: Key lessons, barriers and success factors
- 4 Carbon tax: The impact on the energy sector
- 5 Offsetting: Key lessons, barriers and success factors
- 6 Offsetting: The impact on energy projects
- 7 Hybrid approaches: Combining carbon pricing mechanisms
- 8 Examples of hybrid approaches to carbon pricing

## 8 - Further orientation on carbon pricing

- 1 Getting started with emissions trading: Generic guidance 1
- 2 Getting started with carbon taxation: Generic guidance 2
- 3 Getting started with offsetting: Generic guidance 3
- 4 Getting all stakeholders onboard with carbon pricing

## 9 – Summary

- 1 Summary of the course
- 2 References
- 3 Further reading
- 4 Glossary