

Executive course to master European hydrogen legislation

1-2 April 2025

Sala Europa - Villa Schifanoia, Via Boccaccio 121 - Florence

Course Director

Christopher Jones | Florence School of Regulation/RSCAS/EUI

Training Assistant

James Kneebone | Florence School of Regulation/RSCAS/EUI

Training Coordinator

Elena Bondesan | Florence School of Regulation/RSCAS/EUI

Introduction

The EU's future renewable and low-carbon market is now taking concrete shape, with the agreement of a raft of legislation at EU level. The next Commission – which has identified the development of the EU's hydrogen market as one of its main energy and climate priorities – will be decisive in shaping the market and delivering on targets and objectives.

Understanding this in depth, and how the next Commission will shape policy and the market, will be essential for companies investing in this huge opportunity, and for regulators – getting the regulatory framework right in project planning right from the onset will be crucial.



Programme

1 April

Day 1

9.00 - 9.30

Introduction to EU policy and approach on Hydrogen.

- The overall legislative framework: how does it all fit together?
- The objectives being pursued by the EU.

Christopher Jones | Florence School of Regulation/RSCAS/EUI

9:30 - 11.00

The Gas and Hydrogen Directive and Regulation: regulating the networks.

- Unbundling
- TPA; transmission, storage, import terminals
- Tariffs
- Distribution systems
- Derogations
- Exemptions and conditions for their grant
- TYNDPs and planning
- The new ENTSO body and its responsibilities

Gideon Saunders | Ontras

11.00 - 11.30

Coffee break

11.30 - 12.30

The state of play of developments the European Hydrogen Grid.

- The Target Model: which grid configuration is envisaged and at what timescale?
- Which investments have already reached final investment stage?
- The financing models implemented.
- Will the EU have a series of national or regional grids? How quickly do we expect an EU grid to develop?
- The development of ENNOH; how will it work, what will be its first actions?

Christoph von dem Bussche | Gascade

12.30 - 13.30

Lunch break

13.30 - 14.30

Outline of the legal and policy framework that is now applicable.

- The wider policy objectives and framework; how will the new Commission deliver on its targets and objectives?
- Networks: the Gas and Hydrogen Package
- The REDIII Directive
- The Delegated acts
- ReFuel Aviation and Maritime
- ETS and CBAM
- What comes next?

Kitty Nyitrai | DG Energy, European Commission

14.30 - 15.30

The RED III and the ReFuel Maritime and Aviation.

- Outline of the Directive
- RES target
- Industrial hydrogen obligation on Member States

- Transport targets, and RFNBOs
- Additionality and GHG requirements
- Mass balance and the European Data Base
- The Refuel Regulations
 - What are the targets
 - How will they have to be implemented?
 - What will be their effect?
 - How should companies prepare for the introduction?

Christopher Jones | Florence School of Regulation/RSCAS/EUI

Maria Olczak | Oxford Institute for Energy Studies

Andris Piebalgs | Florence School of Regulation/RSCAS/EUI

15.30 - 16.00 *Coffee break*

16.00 - 17.30 ETS and CBAM, The Hydrogen Bank.

- How the ETS works
- What will be the effect of the ETS on hydrogen production in the EU? Who will be affected?
- How will the CBAM change things? How will it work?
- What do companies need to do to prepare for the CBAM?
- The Hydrogen Bank: objectives, how it works, first results, perspectives

Samuel Verschraegen | Legal Service, European Commission

17.30 - 18.00 Wrap up from day one and follow-up Q&A from participants to speakers.

19.30 - 21.00 *Dinner in town*

2 April **Day 2**

9.00 - 10.30 Technical requirements for investors in hydrogen projects (Part 1)

- Delegated Act on additionality
- Delegated act on GHG reduction
- Mass balance and the EU Data base
- Pitfalls for importers, where to get the CO₂ and how to transport the hydrogen
- Sustainability requirements for Fuels
- Delegated Act on Low-carbon fuels

Christopher Jones | Florence School of Regulation/RSCAS/EUI

10.30 - 11.00 *Coffee break*

11.00 - 12.00 Technical requirements for investors in hydrogen projects (Part 2)

- Delegated Act on additionality
- Delegated act on GHG reduction
- Mass balance and the EU Data base
- Pitfalls for importers, where to get the CO₂ and how to transport the hydrogen
- Sustainability requirements for Fuels
- Delegated Act on Low-carbon fuels

Christopher Jones | Florence School of Regulation/RSCAS/EUI

12.00 - 13.00 *Lunch break*

13.00 - 14.30 The subsidy and support framework.

- An overview of the State aid rules
 - The legal framework
 - The IPCEI Framework
 - Guidelines on State aid for climate, environmental protection and energy 2022
- The Clean Industrial Deal and State aid for Hydrogen projects.
- National support schemes: which are the best Member States to target investments.
- The IRA; can you 'double dip'?
- The evolution of the Guidelines

Anna Colucci | DG COMP, European Commission

14.30 - 15.30 Member States ambitions and actions on Energy Policy.

- The National Energy and Climate Plans: level of ambition of the Member States
- The main support frameworks
- Where are the key investment opportunities?
- Are support frameworks limited to national projects, or are they promoting imports?

TBC | TBC

15.30 - 16.30 Closing remarks and discussion.

Christopher Jones | Florence School of Regulation/RSCAS/EUI

Andris Piebalgs | Florence School of Regulation/RSCAS/EUI