

CEER-FSR JOINT TRAINING COURSE – THREE-WEEK ONLINE TRAINING

INTRODUCTION TO FUNDAMENTALS OF ENERGY REGULATION

Course Directors:	Ilaria Conti Head of FSR Gas Area, Florence School of Regulation/RSCAS/EUI Koen Locquet CREG Acting President, CREG/CEER
Training Coordinators:	Marina Cascella Florence School of Regulation/RSCAS/EUI Anh Tran Training Manager, CEER
Course Advisors:	Jean-Michel Glachant Director, Florence School of Regulation/RSCAS/EUI Margot Loudon Member of CEER Training Academy Advisory Board
Course Format:	ONLINE PLATFORM USED: BONGO

Course Structure:

- **Week 1: 12-16 April 2021: Offline preparation to the course, first welcome online class on 12 April 2021.**
- **Week 2: 20-22 April 2021: Module 1: “EU Energy Regulatory Framework and Policy”, 3 Online Classes.**
- **Week 3: 27-29 April 2021: Module 2: “European Electricity and Gas Market Regulation”, 3 Online Classes.**

■ INTRODUCTION

The Council of European Energy Regulators (CEER) and the Florence School of Regulation (FSR) are delighted to announce the 7th edition of the joint course called “Introduction to Fundamentals of Energy Regulation”, **to be held online in April 2021**. This CEER-FSR course is focused on explaining the fundamentals of EU energy policy and regulation, building on similar successful courses held in previous years. The course is ideally suited for newer staff members within National Regulatory Authorities (NRAs), European Institutions and other public authorities.

The CEER-FSR course will comprehensively explain the key aspects of EU electricity and gas regulation, including the latest developments, both theory and practice, across the energy cost chain from wholesale markets through to networks and retail issues. Attendees will be provided with a clear understanding of the economic and legal frameworks that have developed in European energy regulation, including an explanation of the main institutions and participants involved.

The course brings together the FSR’s rigorous academic understanding of regulatory principles along with the CEER’s senior regulatory practical knowledge and expertise. By combining

academic groundings and practical on-the-job regulatory experience, the course seeks to build the operational understanding, capacity and tools for newer NRA staff members, which they can then apply in their work.

The course is co-directed by Koen Locquet, Acting President of CREG and Ilaria Conti, Head of FSR Gas Area. It is a three-week online course which comprises of two related modules, as follows:

- Week 1: 12-16 April 2021: Offline preparation to the course, first welcome online class on 12 April 2021. Expected preparation time: 4 hours.
- Week 2: 20-22 April 2021: Module 1: “EU Energy Regulatory Framework and Policy”, 3 Online Classes, approximately 3 hours each day.
- Week 3: 27-29 April 2021: Module 2: “European Electricity and Gas Market Regulation”, 3 Online Classes, approximately 3 hours each day.

Attendance at both modules is highly recommended, though they are designed such that participants can gain value by attending just one module if they wish.

▪ PROGRAMME

WEEK 1: 12-16 APRIL 2021: OFFLINE INDIVIDUAL PREPARATION TO THE COURSE

Monday 12 APRIL 2021: 14:00-15:00 CEST- WELCOME ONLINE CLASS

14:00 – 15:00 Introduction of the course and platform.
Introduction of participants, testing the connections and group work activities.
FSR Online Team | FSR/RSCAS/EUI
CEER Online Team | CEER

WEEK 2: 20-22 APRIL 2021: MODULE 1 - EU ENERGY REGULATORY FRAMEWORK AND POLICY

Tuesday, 20 April 2021: 14:00 – 17:00 CEST - *EU energy regulation and energy policy: the landscape*

14:00 – 14:10 Introduction of the course.
Koen Locquet | CEER/CREG
Ilaria Conti | FSR/RSCAS/EUI

14:10 – 14:45 Principles

Overview of electricity and gas markets:

- A brief introduction to the physics of energy
- The role of markets and regulation in the electricity and gas sectors
- A brief history of utility regulation
- Should gas and electricity markets be similarly designed?

Alberto Pototschnig | FSR/RSCAS/EUI

Q&A / Discussion

14:45 – 15:25 Practices

Role of regulators and energy regulation explained:

- What is an energy regulator and why do we have them?
- General objectives of the regulatory authorities (Regulation).
- Core duties and powers of regulators, including new ones in the European Clean Energy Package and European Green Deal.

Koen Locquet | CEER/CREG

Q&A / Discussion

15:25 – 15:40 **SHORT BREAK**

15:40 – 16:10 Principles

European Security of Supply Policy:

- Achieved targets and future challenges
- EU Energy diplomacy and external relations: what we did right, what we did wrong

Jean-Arnold Vinois | Jacques Delors Institute

Q&A / Discussion

16:10 – 16:50

Group work

Anh Tran | CEER

16:50 – 17:00

Wrap up, conclusions of first online session.

Koen Locquet | CEER/CREG

Ilaria Conti | FSR/RSCAS/EUI

Wednesday, 21 April 2021: 14:00 – 17:00 CEST - Introduction to the European legal framework for energy: logic and dynamics

14:00 – 14:45

Principles

The EU regulatory framework for energy: from the origins until today

- “Pillars” and logic supporting the EU energy policy
- The three “Energy Packages”
- The way towards a decarbonised energy sector

Ilaria Conti | FSR/RSCAS/EUI

Q&A / Discussion

14:45 – 15:30

Practices

Impact of the evolution of the regulatory framework:

- Implementation of the regulatory framework in Greece: What has been achieved? Where is the Greek energy market today?

Evangelia Gazi | CEER/RAE

Q&A / Discussion

15:30 – 15:50

Group work or open discussion

15:50 – 16:05

SHORT BREAK

16:05 – 16:50

Principles

Regulation of renewable energy and energy efficiency:

- Key EU legislative acts (renewable energy and energy efficiency directive, the Clean Energy Package).
- Impact of European renewable policy on security of supply.

Lucila de Almeida | FSR/RSCAS/EUI

Q&A / Discussion

16:50 – 17:00 Wrap up, conclusions of second online session.
Anh Tran | CEER
Ilaria Conti | FSR/RSCAS/EUI

Thursday, 22 April 2021: 14:00 – 16:45 CEST - Retail markets and consumer protection and future energy systems

14:00 – 14:45 Principles and Practices

Retail markets:

- What should competitive markets mean for energy consumers (e.g. choice, reliability, flexibility)? How can consumers participate?
- What role for regulators in retail markets?

Vasant Bhoendie | CEER/ACM

Q&A / Discussion

14:45 – 15:30 Principles and practices

Customer policy:

- Is there a need for a “regulation” of energy consumer issues?
- CEER-BEUC 2030 Vision for energy consumers
- What is energy poverty? What can be done by NRAs?
- What role for regulators in consumer protection?

Natalie McCoy | CEER/ERSE

Q&A / Group work

15:30 – 15:45 **SHORT BREAK**

15:45 – 16:30 Principles and practices

Looking ahead: Energy System Integration

- The ongoing reform of the gas sector and future perspectives
- Hydrogen and other “clean molecules”
- The new H2 infrastructure: regulatory issues

Ilaria Conti | FSR

Q&A / Group work

16:30 – 16:45 Wrap up, conclusions of the first module.
Name TBC | CEER
Ilaria Conti | FSR/RSCAS/EUI

WEEK 2: 27-29 APRIL 2021: MODULE 2- EUROPEAN ELECTRICITY AND GAS MARKET REGULATION

Tuesday, 27 April 2021: 14:00 – 17:00 CEST - Introduction to Gas Markets and Grids

14:00 – 14:10	Introduction of Module 2. Name TBC CEER Ilaria Conti FSR/RSCAS/EUI
14:10 – 14:50	Principles The gas market picture: <ul style="list-style-type: none">• The landscape of today's gas market globally: main actors, structural dynamics, market and regulatory challenges.• How is gas traded, transported and supplied in Europe? Progress achieved, scale of investments.• LNG, storage and other market "flexibility tools". Aad Correljé Clingendael International Energy Programme (CIEP) and TU Delft Q&A / Group work
14:50 – 15:30	Practices How is Europe's gas wholesale market designed? <ul style="list-style-type: none">• What is the gas target model?• What is the regulators' role in shaping and delivering the internal energy market (network codes, etc.)?• What role for gas in the future? Beatriz Moreno CEER/CNMC Q&A / Group work
15:30 – 15:45	SHORT BREAK
15:45 – 16:15	Principles Gas grids: <ul style="list-style-type: none">• Overview of gas grids. What are the differences with electricity grids?• Why regulate gas grids in a competitive market?• Are the EU gas grids really European or only national? Nico Keyaerts Formerly FSR/ACER Q&A / Group work
16:15 – 17:00	Panel discussion with special guest. Moderator: Ilaria Conti FSR/RSCAS/EUI

Panellists:

Margot Loudon | Formerly Eurogas

Aad Correljé | Clingendael International Energy Programme (CIEP) and TU Delft

Beatriz Moreno | CEER/CNMC

Nico Keyaerts | Formerly FSR/ACER

Wednesday, 28 April 2021: 14:00 – 17:00 CEST - *Introduction to Electricity Markets and Grids*

14:00 – 14:45

Principles

Electricity markets:

- The energy supply chain from production to distribution. Do we really buy/sell electricity into the grid or in an electricity market? What is the relationship between network capacity and electricity markets? What is the importance of balancing and imbalance?

- Why do we have several electricity markets like day-ahead, intraday and balancing markets? Why do we couple or split our wholesale markets?

Are electricity markets really European or only national?

Tim Schittekatte | FSR/RSCAS/EUI

Q&A / Group work

14:45 – 15:15

Practices

How is Europe's electricity wholesale market designed?

- What is Europe's electricity target model?

- Why pursue an integrated, interconnected electricity network?

- How are regulators contributing to shaping and delivering the internal energy market (and what do the network codes do)?

Barry Hussey | CEER/CRU

Q&A / Group work

15:15 – 15:30

SHORT BREAK

15:30 – 16:15

Principles

Electricity grids in the age of the three Ds:

- Overview of the electricity grids in Europe.

- Overview of traditional grid regulation in Europe.

- The three Ds and the challenges to traditional grid regulation.

- A focus on distribution grids and their regulation.

Nicolò Rossetto | FSR/RSCAS/EUI

Q&A / Group work

16:15 – 17:00 Panel discussion with special guest from a TSO.

Moderator:

Koen Locquet | CEER/CREG

Panellists:

Frank Vandenberghe | Onoma

Tim Schittekatte | FSR/RSCAS/EUI

Barry Hussey | CEER/CRU

Nicolò Rossetto | FSR/RSCAS/EUI

Thursday, 29 April 2021: 14:00 – 16:45 CEST - Regulating electricity and gas monopolies and the link between energy and competition policies

14:00 – 14:45 Practices

Regulating natural electricity and gas monopolies:

- How do regulators design electricity and gas grid access tariffs?
- How do they approve an investment plan? How do incentives work?
- How are renewables and technology changing the way grids work and are regulated?

Group work exercise based on a tariffs case study.

Johan Allonsius | CEER/CREG

14:45 – 15:15 Practices

Competition policy and the transition to a more sustainable energy system:

- The relationship between competition law and energy regulation. How do they interact with each other? How does competition law promote the transition to a more sustainable energy system?

Maria Eugenia Leoz Martin-Casallo | European Commission

Q&A / Group work

15:15 – 15:30 **SHORT BREAK**

15:30 – 16:30 Course debrief and feedback from participants.

16:30 – 16:45 Wrap up of the training course.

Ilaria Conti | FSR/RSCAS/EUI

Name TBC | CEER