



**HYBRID TRAINING**

**Training on Regulation of Energy Communities and New Business Models in the Energy Sector**

**27 -29 September 2022**

**PUBLIC TRAINING**

## **Level A: Overview course**

*Smart metering, better price signals, technological developments, decentralisation of the generation from renewable energy sources all create opportunities for new actors in the energy sector. Given these emerging trends, the Clean Energy Package created Renewable Energy Communities and Citizen Energy Communities in order to achieve a clean and fair energy transition. In various ways, these new market participants offer new answers to old questions. These new legal entities aim at fostering renewable energy projects and empowering customers. These new players in the energy market also seek to generate increased flexibility in the system which might give birth new business models developments and, accordingly, new challenges for regulators. This emerging framework might trigger significant impacts on all market actors from the consumer to the Distribution system operators (DSOs).*

*If regulated such that incentives match system gains, these actors can contribute to a more efficient industry. However, as we are still at the early stage of the implementation of this new framework, the role, such actors may play in practice, remains uncertain. Many projects are still only in the research and development phase. Therefore, potential regulatory challenges are not necessarily clear yet and could benefit from an increased dialogue between regulators and new actors.*

*Energy regulators need to understand how these new actors affect the energy sector and how they can contribute to cost-efficient electrification and digitalisation. This tailor-made CEER hybrid training programme will help energy regulators gaining this expertise. It is designed for staff from the National Regulatory Authorities but representatives from other organisations are also welcomed to attend.*

*The course starts on day 1 with a general introduction to the legal background on energy communities, their regulatory characteristics and challenges. Day 2 will demonstrate reference applications and explain technical matters to consider when creating energy communities. The training finally ends on day 3 with recommendations on how to put in practice in everyday life what has been learned during the previous days.*

**All sessions will allow time for Q&A, discussions and exchanges with the trainers and other participants.**

### **Course structure:**

Live session with the course director: 14 September at 15:00

First day : 14:00- 17:30

Second day: 09:00- 16:00

Third day : 09:00- 13:00

## HYBRID CLASS 1: Tuesday, 27 September 2022 – 14:00-17:30 (CEST)

**14:00-14:30** **Opening remarks**  
**Introduction of the participants, the program and the online format**

Frédéric-Michael Foeteler, ILR, Course Director

**14:30-14:45** **Practical information**

Rasha Zeina, CEER Training and Programme Coordinator

### SESSION 1 INTRODUCTION TO ENERGY COMMUNITIES – LEGAL AND REGULATORY ASPECTS

*Why should one share self-generated electricity with others and what is the legal framework for doing so? How can the corresponding conceptual rules be translated into the practice of each country and what challenges do regulators face with their implementation?  
On the first day of the training, the participants will receive a general overview of the legal background and how it can be integrated into the very regulated energy market in the member states.*

**14:45-15:25** **Energy communities – implementation of the Clean Energy Package**

Achille Hannoset, European Commission, DG ENER

**15:25-15:40** **Break**

**15:40-16:20** **Analysis of the implementation of energy communities in the EU**

Stavroula Pappa- REScoop.eu

**16:20-17:00** **New legal challenges of energy communities for sharing and P2P trading: citizens as consumers, shareholders and traders.**

Lucila de Almeida, Florence School of Regulation and Wageningen University

**17:00-17:30** **Wrap up of Day 1**

Frédéric-Michael Foeteler, ILR, Course Director  
Rasha Zeina, CEER Training and Programme Coordinator

**End of day 1**

Welcome Reception – Belgian Beer tasting in the CEER Offices

## HYBRID CLASS 2: Wednesday, 28 September 2022 – 09:00-16:00 (CEST)

### SESSION 2 NEW BUSINESS AND MARKET MODELS IN THE ENERGY SECTOR AND THEIR PRACTICAL IMPLEMENTATION CHALLENGES

*From an economic point of view, does it make sense to share energy and what technical requirements have to be met in order to be able to do so at all? What experiences have others already made with this new form of energy management and which challenges lie ahead for grid operators and the industry? When and how can one tell if an energy community has been successful?*

*Day two highlights different aspects of this very complex theme, giving the course participants an insight into the numerous practical challenges. Several case studies, presented by international experts, will provide valuable information on lessons learned.*

#### **09:00-09:15 Intro to day 2**

Frédéric-Michael Foeteler, ILR, Course Director

#### **09:15-09:55 New business models for new market dynamics**

Linda Babilon, Deutsche Energie-Agentur GmbH

#### **09:55-10:35 Data sharing considerations**

Anna Maggioni, ARERA

#### **10:35-10:50 Break**

#### **10:50-11:20 Answering Questions from day 1**

All participants

#### **11:20-11:45 Regulation for collective self-consumption in Italy**

Andrea Galliani, ARERA

#### **11:45-12:25 Practical example on setting the ground for electricity sharing**

Frédéric-Michael Foeteler, ILR

#### **12:25-13:25 Lunch Break**

**13:25-13:50 DSOs enabling Energy Communities – Challenges & Opportunities from practical experiences**

Carmen Gimeno, GEODE

**13:50-14:30 Setting up distributed energy communities and virtual powerplants**

Felix Dembski, Sonnen GmbH

**14:30-14:45 Break**

**14:45-15:25 Success factors for an energy community**

Leen Peeters, EU-funded BRIDGE project

**15:25-16:00 Wrap up for day 2**

Frédéric-Michael Foeteler, ILR, Course Director  
Rasha Zeina, CEER Training and Programme Coordinator

**-End of day 2-**

**Group Dinner at 19:00 in Brussels downtown**

## HYBRID CLASS 3: Thursday, 29 September 2022 – 09:00-13:00 (CEST)

### SESSION 3 KEY TAKEAWAYS

*After two days of explanations what regulations and specifics apply to energy communities and which technological standards must be considered, the content of the last day aims to give the course participants an orientation on how to implement in everyday life what they have learned, knowing that they might need to take decisions in an area that has not yet or only partially been regulated in their country.*

*The aim of the third day of the course is to complete what has been learned theoretically with practical tips so that the course participant will be able to make decisions on the following day, such as how a concept can be implemented on site, how a project can be approved or how a legal ruleset can be designed so that energy communities can contribute in a positive way to tomorrow's energy market.*

#### **09:00-09:15 Intro to day 3**

Frédéric-Michael Foeteler, ILR, Course Director

#### **09:15-09:55 Sharing electricity without a DSO**

Claes Vendel Nylander, Ei

#### **09:55-10:35 New business models - how can regulators allow innovation to flourish, whilst ensuring consumers are protected?**

Alasdair MacMillan, Ofgem

#### **10:35-10:50 Break**

#### **10:50-11:20 Open discussion**

All participants

#### **11:20-12:00 Dynamic regulatory frameworks**

Jorge Vasconcelos, Florence School of Regulation

#### **12:00-12:20 Course Evaluation**

Rasha Zeina, CEER

#### **12:20-13:00 Wrap-up of the course**

Frédéric-Michael Foeteler, ILR, Course Director  
Rasha Zeina, CEER Training and Programme Coordinator

-End of day 3 -