



A new scenario is taking place in Europe with the transposition in the different Member States of the Clean Energy Package (specifically the Electricity directive EU 944/2019) with new roles for DSOs and DSOs being asked to enter into new activity areas. Regulators need to understand those areas and consider where (and what type of) regulation might be necessary. DSO-TSO cooperation is also set to evolve in a beneficial way for energy markets and ultimately for consumers. Governance of how DSOs and TSOs interact and engage in network planning, as well as arrangements to facilitate effective coordination for system operation, especially for flexibility, have been the key regulatory concerns in this area for the last few years and are now having to face now the challenge of being prepared for the implementation phase. More digitalisation under the profile of the data exchange among different classes of actors underneath is needed. This is a key element the energy regulator must bear in mind and pay proper attention to.

This CEER tailor-made three half-days course will give an overview of the DSOs' roles defined in the Clean Energy Package. Investments in the grid have a new focus; cooperation between DSOs and TSOs has evolved and will evolve; and the regulators' role in ensuring the proper governance framework and arrangements to facilitate effective coordination for network planning and system operation, including enabling flexibility and demand side management, are key aspects. How the DSO can actively cooperate in flexible markets (especially local) and what type of role they are called upon to embrace in "Smart EV" charging, particularly in the intense data exchange exercise this new opportunity calls for all needs closer examination. Finally, how regulation, and particularly energy regulation, can support such a new bundle of duties is part of the reflections that will be discussed in this course.

COURSE STRUCTURE

Week 1: 06-12 June

Individual preparation to the course: Literature review, reading materials, preparation of course work

[Online Live Session: 11:00-12:00 \(CET\) on 7 June 2022](#)

Week 2:

[Online Class 1: 13:00-17:00 \(CET\) on 14 June 2022](#)

[Online Class 2: 13:00-17:30 \(CET\) on 15 June 2022](#)

[Online Class 3: 13:00-16:40 \(CET\) on 16 June 2022](#)

Tuesday, 14 June 2022
13:00-17:00 CET

13:00 - 13:15 Opening remarks and round-table introduction of the participants

Eleonora Bettenzoli, Deputy Director of Retail Energy Market- ARERA

13:15 - 13:30 Introducing the participants – Platform Orientation and Knowledge Assessment Exercise

Giulia Carpentieri CEER Programme and Training Coordinator

SESSION 1 NEW ROLE DSOs AND REGULATORY FRAMEWORK

13:30 - 14:10 Investment pathway for the Smart Grids development: Art 59 of the Directive 944/2019, Role of National authorities and Network Operators and the Digitalisation of Energy Action Plan.

Giulia Serra - DGENER

14:10 – 14:15 Break

14:15 – 14:45 CEER Views on Electricity Distribution Network Development Plans

Riccardo Vailati - ARERA

14:45 – 15:40 How regulation could remove barriers to consumers flexibility and how this would impact the DSO

Helena Gerard – Vito/ chair Bridge WS “Regulation”

15:40 – 16:00 Break

16:00 – 16:45 The rationale behind the EU DSO Entity: legal framework, setup and objectives

Torsten Knop – EU-DSO/Energy Networks Europe (E.ON)

16:45 – 17:00 Knowledge Assessment Exercise and Questions & answers

Eleonora Bettenzoli, ARERA| Course Director
Giulia Carpentieri CEER Programme and Training Coordinator
Session 1 Experts

- END OF DAY 1 -

Wednesday, 15 June 2022
13:00-17:30 CET

SESSION 2 DSO in the FLEXIBILITY MARKET

13:00 – 13:15 Wrap up of day 1, introduction of day 2

Eleonora Bettenzoli, ARERA| Course Director

13:15 - 13:45 New European rules on demand response: what is it and what principles are its basis

Athina Tellidou – ACER / Chair “Balancing” TF

13:45 – 14:15 Assessment of demand-side flexibility impact on distribution network (theoretical approach)

Marco Rossi – RSE / expert flexibility markets

14:15 – 14:30 Break

14:30 – 15:15 Local Flexibility market design and TSO/DSO coordination: R&D projects

Jose Pablo Chaves – Comillas UNIV. Research Professor

15:15 – 16:00 How DSO can contribute in flexibility services and be incentivized to it. (How this role depends on local flexibility Market design) (national experiences – NRAs)

Timon Dubbeling – ACM / Senior Energy Regulator

16:00 – 16:25 Break

16:25 – 17:00 Real life experience from implementing flexibility solutions. How can we advance and take the leap from pilot projects to make flexibility solutions part of DSO routine?

Rickard Venetjoki – E.ON/Manager Political Affairs

17:00 - 17:30 Breakout Rooms exercise and final challenge discussion

Eleonora Bettenzoli, ARERA| Course Director

- END OF DAY 2 -

**Thursday, 16 June 2022
13:00-16:40 CET**

SESSION 3 DSO DIGITILISATION

13:00 – 13:15 Wrap up of day 2, introduction of day 3

Eleonora Bettenzoli, ARERA| Course Director

13:15 – 13:45 Managing grid integration of electric vehicles – context view

Cristina Corchero - Head of Energy Systems Analytics at IREC, Professor at UPC

13.45 – 14.15 EV recharge and data exchange: differences between recharge at home and in public places

Luca Lo Schiavo – Vicedirector Infrastructure Directory – ARERA

14.15 -14:25 Break

14:25 – 14.55 Digital Smart Grids as key drivers to facilitate the transition to Electric Mobility

Luis Cunha, Director of European Policies and Projects at E-REDES. Board Member of the EU.DSO Entity

14.55 -15.15 Challenge Discussion

Participants

SESSION 4 DSO – TSO COOPERATION for DATE EXCHANGE

15:15 -15:35 SOGL (System operation Guide Lines) – global perspective

Marco Pasquadibisceglie – ARERA/co-chair “system operation grid connection” TF - ACER

**15:35 –15:55 Case studies:
DSO oriented model: Design and Operation of the Mutual Agreements System (MAS) as part of TSO/DSO Data-exchange in the Netherlands**

Bram Sieben, Alliander/Director of Corporate and Social Affairs

15:55 – 16:10 Break

16:10 – 16:30 TSO oriented model: TSO-DSO-SGU data exchanges in the context of system and network services

Inés Encabo Cáceres, Red Electrica Espana

16:30 – 16:40 Questions and answers

Eleonora Bettenzoli, ARERA| Course Director

- END OF DAY 3 -

