



ERRA Training Course:
Principles of Electricity Markets
November 23-27, 2015 | Budapest, Hungary

COURSE PROGRAMME

Organized by:

Energy Regulators Regional Association (ERRA)

Professional content of the course is facilitated by:

Regional Centre for Energy Policy Research (REKK)

Course Venue:

European Youth Centre Budapest (EYCB)

Zivatar u. 1-3., H-1024 Budapest

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ERRA reserves the right to change the published agenda at any time during the organisation and implementation of the programme.

MONDAY, NOVEMBER 23 – ECONOMICS OF COMPETITIVE MARKETS

Morning		
8:30 – 9:00	Opening Address and Introduction of Participants	László Szabó, Course Director; Regional Center for Energy Policy Research (REKK)
09:00 – 10:30	Introduction: From regulated to liberalized markets in electricity; Course outline and main messages	László Szabó, Course Director; Regional Center for Energy Policy Research (REKK)
10:30 – 10:45	<i>Coffee break</i>	
10:45 – 12:15	The Economics of competitive markets	Adrienn Selei, Regional Center for Energy Policy Research (REKK)
12:15 – 13:30	<i>Lunch break</i>	
Afternoon		
13:30 – 15:00	Exercise I: Competitive market simulation game	Moderator: Péter Kotek, Regional Center for Energy Policy Research (REKK)
15:00 – 15:30	<i>Coffee break</i>	
15:30 – 16:30	Group Work: Introducing the off-class teamwork assignment for the week*	Moderator: László Szabó, Course Director; Regional Center for Energy Policy Research (REKK)

*The Group Assignment: Participants will be grouped and requested to work on the exercise after the classes.

TUESDAY, NOVEMBER 24 – DEMAND AND SUPPLY OF ELECTRICITY

Morning		
9:00 – 10:30	Electricity supply: Cost structure and decision making in plant operation and investment	Csaba Kiss, Managing Director, Alstrom Power, Hungary
10:30 – 10:45	<i>Coffee break</i>	
10:45 – 12:15	Exercise II: Investment Game	Moderator: Péter Kotek, Regional Center for Energy Policy Research (REKK)
12:15 – 13:30	<i>Lunch break</i>	
Afternoon		
13:30 – 15:00	Electricity demand: Usage, profiling and demand response	László Szabó, Course Director; Regional Center for Energy Policy Research (REKK)
15:00 – 15:15	<i>Coffee break</i>	
15:15 – 17:00	Renewable energy related regulatory issues	László Szabó, Course Director; Regional Center for Energy Policy Research (REKK)

WEDNESDAY, NOVEMBER 25 – NETWORK ISSUES

Morning		
9:00 – 10:30	Technical features of transmission and distribution; Network losses; Congestion management; Interconnectors	Slobodan Markovic, Head of Team for Consulting and Power Quality, Electricity Coordinating Center, Serbia and Zoran Vujasinovic, Head of Team for Consulting and Power Quality, Electricity Coordinating Center, Serbia
10:30 – 10:45	<i>Coffee break</i>	
10:45 – 12:15	Regulation of electricity networks – access rules and pricing	Péter Kaderják, Regional Center for Energy Policy Research (REKK)
12:15 – 13:30	<i>Lunch break</i>	
Afternoon		
13:30 – 15:00	Transformation of the electricity sector: a case study of Hungary	Péter Kaderják, Regional Center for Energy Policy Research (REKK)
15:00 – 17:30	Visit to MAVIR; Functions, tasks and practical operation of the system operator in a liberalized market	
17:30 –	<i>Social Programme</i>	

THURSDAY, NOVEMBER 26 – WHOLESALE AND RETAIL MARKETS

Morning		
9:00 –11:00	Wholesale market models: Integrated vs. decentralized markets;	Ibrahim Etem Erten, Head of the Organized Wholesale Electricity Market Group, EMRA, Turkey
11:00 – 11:15	<i>Coffee break</i>	
11:15 – 12:30	Retail market operation in the electricity sector	Lajos Kerekes, Regional Center for Energy Policy Research (REKK)
12:30 – 13:30	<i>Lunch break</i>	
Afternoon		
13:30 – 15:00	The role of traders and exchanges; Price evolution and price spikes; Risk management; Spot (day-ahead, real time) and forward markets	Zsolt Bertalan, CEO, HUPX Ltd., Hungary
15:00 – 15:30	<i>Coffee break</i>	
15:30 – 16:30	Hot topics in electricity markets regulation “Round table discussion based on case studies by participants”	Selected participants – László Szabó (REKK)

FRIDAY, NOVEMBER 27 – MARKET POWER

Morning		
8:30 – 10:15	Cross border arrangements and Market Integration	Leonardo Meeus, Associate Professor & Director Energy Centre, Vrelick, Belgium
10:15 – 10:30	<i>Coffee break</i>	
10:30 – 11:45	Market Power in electricity generation and transmission	Diana Korsakaite, former Chair of National Commission for Energy Control and Prices of Lithuania
11:45 – 12:30	Final Test	Participants
12:30 – 13:30	<i>Lunch break</i>	
Afternoon		
13:30 – 15:30	Group Work: Presentations of teamwork assignments	Participants Moderator: László Szabó, Course Director; Regional Center for Energy Policy Research (REKK)
15:30 – 16:00	Course Evaluation Group Photo Signing ERRA Alumni Book Final Comments and Farewell	László Szabó, Course Director; Regional Center for Energy Policy Research (REKK)