



This project is funded by the European Union

1



Technical Assistance for Improvement of Performance- Based Tariff  
Regulation of EMRA for Turkish Energy Markets through Introducing an  
Enhanced Monitoring System

**STUDY VISIT**

**LISBON/ PORTUGAL**

**21 OCTOBER – 25 OCTOBER**





This project is funded by the European Union



*Dear Participants:*

*This info pack includes the agenda of the study visit, detailed description of the institutions to be visited and contact details you may need during your stay in Lisbon, Portugal.*





This project is funded by the European Union



## ❖ AGENDA

20 <sup>th</sup> October - Sunday	
10:30	Arrival to Lisbon with flight TK1755
11:30	Departing from Lisbon Airport for city tour
12:50-14:00	Lunch at Restaurante Espelho D'Água Tuna salad with cucumber, tomato, pepper and oregano Breaded crusted cod, battered potatoes and sauteed spinach Chocolate mousse
14:00 - 17:30	Lisbon City tour
17:30	Arrival to Hotel Sana Reno, check-in
19:00	Dinner at <b>Zafran Restaurant</b> Largo Dona Estefânia 7, 1100-092 Lisboa, ** +351 21 355 8894
21 <sup>st</sup> October – Monday	
09:00	Pick up from Hotel to the Portuguese Energy Regulator – ERSE
10.00 – 10.30	Welcome to ERSE www.erse.pt R. Dom Cristóvão da Gama 1 3º, 1400-113 Lisboa, Portugal
10.30 – 11.00	Role and activities of the Regulator
11.00 – 13.00	Costs and revenues principles and regulatory tools
13.00 – 15.00	Lunch break at <b>Nunes Real</b>
15.00 – 16.30	Debate: The UK regulatory model: innovative solutions and practices by Martin Crouch
16.30 – 17.30	Costs and revenues – Questions and Conclusions
19:00	Dinner at <b>1001 Nights Restaurant</b> *** <a href="https://www.1001nights.pt/en">https://www.1001nights.pt/en</a> Rua João Villaret 11, 1000-182 LISBOA, Portugal ** 927 626 665
22 <sup>nd</sup> October – Tuesday	
09:00	Pick up from Hotel to the Portuguese Energy Regulator - ERSE
10.00 – 13.00	Tariff methodologies
13.00 – 15.00	Lunch break at <b>Vela Latina</b>
15.00 – 16.30	Social tariffs and tariff for Supplier of Last Resort
16.30 – 17.00	Questions and Conclusions
19:00	Dinner at Cascais, <b>Maria Pia Restaurante</b> Passeio Dona Maria Pia, 2750-310 Cascais, Portugal Telephone: 214 835 348 • 926 438 053
23 <sup>rd</sup> October - Wednesday	
09:00	Pick up from Hotel to the General Directorate of Energy and Geology - DGEG





This project is funded by the European Union



<b>9.30 – 12.30</b>	Directorate General for Energy and Geology Headquarters <a href="http://www.dgeg.gov.pt/">http://www.dgeg.gov.pt/</a> 1069-203, Avenida 5 de Outubro 208, Lisboa, Portugal
<b>12.30 – 13.30</b>	Lunch Break at <b>A Padaria Portuguesa</b>
<b>14.30 – 15.30</b>	Technical visit to the Centre of Electricity Dispatch of REN in Sacavém <a href="https://www.ren.pt/en-GB">https://www.ren.pt/en-GB</a> R. Cidade de Goa 4, 2685-038 Sacavém, Portugal
<b>16.00 – 17.15</b>	Technical visit to the Natural Gas Dispatch in Bucelas, Lisboa
<b>19:00</b>	Dinner at <b>Restaurante Marrakesh</b> <a href="https://www.restaurantemarrakesh.com">https://www.restaurantemarrakesh.com</a> Avenida Conde Valbom n.53 1069-180.lisboa tel : 211 936 444 /91974820
<b>24<sup>th</sup> October - Thursday</b>	
<b>8:30</b>	<b>Departing from Lisbon to Porto</b>
<b>12.00 – 14:00</b>	Lunch break at <b>Riberira 50 Restaurante</b> <a href="https://www.tripadvisor.com.tr/Restaurant_Review-g189180-d13005995-Reviews-Ribeira_50-Porto">https://www.tripadvisor.com.tr/Restaurant_Review-g189180-d13005995-Reviews-Ribeira_50-Porto</a> R. de Cima do Muro 62-63, Porto 4050-200, Portekiz +351 22 340 1210
<b>14.00/14:30 – 17:00/17:30</b>	Arrival at INESC TEC - Investigation Center for Power & Energy - Porto <a href="https://www.inesctec.pt/en">https://www.inesctec.pt/en</a> Visit to the Laboratory of Smart Grids Seminar by Prof. Peças Lopes
<b>17.30</b>	Departing from Porto to Lisbon
<b>20:00</b>	Arrival to Lisbon and dinner at the hotel
<b>25<sup>th</sup> October – Friday</b>	
<b>08:50</b>	Pick up from Hotel to EDP
<b>9.30 – 12.30</b>	EDP- Regulatory framework of the Portuguese electricity distribution network * <a href="https://www.edp.com/en/aboutedp">https://www.edp.com/en/aboutedp</a> *** Av. 24 de Julho 12A, 1249-300 Lisboa, Portugal
<b>12.30 – 14.30</b>	Lunch break at <b>100 Montaditos</b>
<b>14.30 – 17.00</b>	Regulatory framework of the Supplier of Last Resort Supplier and The Social Tariff
<b>19.00</b>	Dinner at Restaurante <b>Ghoroa Mouraria</b> <a href="http://www.ghoroarestaurant.pt/en_GB/">http://www.ghoroarestaurant.pt/en_GB/</a> Tv. Benfornoso, 2, 1100-089, Lisbon ** +351920333520
<b>26<sup>th</sup> October - Saturday</b>	
<b>08:30</b>	Check-out from hotel and transfer to Lisbon Airport for flight TK1756 at 11:25





This project is funded by the European Union



❖ TRAVEL DETAILS:

<i>Flight info:</i>						<i>Date</i>
ANKARA-IST-LISBON-IST-ANKARA						20-26 OCT
TK 2185	20 OCT	ANKARA	ISTANBUL	04:45	06:05	
TK 1755	20 OCT	ISTANBUL	LISBON	07:35 -	10:30	
TK 1756	26 OCT	LISBON	ISTANBUL	11:25 -	18:05	
TK 2178	26 OCT	ISTANBUL	ANKARA	20:00 -	21:20	

❖ LISBON: Historical and Cultural Areas:

- Belem
- Torre Belem – Belem Tower
- Padrão dos Descobrimentos (Monument to the Discoveries)
- Manueline Jeronimos Monastery
- Pastél de Belém ( Pastel de Nata )
- Tagus River
- Ponte 25 de Abril
- Praça do Comércio
- Arco da Rua Augusta
- Sé de Lisboa
- Elevador De Santa Justa
- Avenida de Liberdade
- The viewpoints of St. Lucia, and Senhora do Monte
- Eduardo VII Park





This project is funded by the European Union

## ❖ GENERAL INFORMATION ABOUT PORTUGAL

Portugal, officially The Portuguese Republic is the one of the oldest countries in Europe, is located in the southwest of the Iberian Peninsula lying between Spain in the north and east, and the Atlantic Ocean in the south and west. Portugal has been a Republic since 1910 and its government is a Parliamentary Democracy. A member of the European Union (EU) since 1986, Portugal is a nation in full development that has always kept its best treasure. Portugal has a population of 10,6 million inhabitants.



## ❖ GENERAL INFORMATION ABOUT LISBON

Lisbon is the stunning capital city of Portugal, and is one of the most charismatic and vibrant cities of Europe. It is a city that effortlessly blends traditional heritage, with striking modernism and progressive thinking. the city was built during a millennium of colourful history waiting to be discovered by visitors. Lisbon witnessed Muslim domination, a Christian conquest, a golden age of discoveries, destruction by an





This project is funded by the European Union



earthquake and followed by an enlightened reconstruction process and on going renewal. After many years of being overlooked, Lisbon has been finally discovered by mass tourism.

Lisbon is the largest urban area in Portugal and continues to grow with each passing year. 27% percent of the population live in Lisbon area.





This project is funded by the European Union



## ❖ GENERAL INFORMATION ABOUT PORTO

Porto is the second largest city in Portugal after Lisbon, and the name 'Porto' itself influenced the name of the country 'Portugal'. Porto became a city recognized for its fight for civil rights and during the nineteenth century. Porto is a historic and varied city, from the warren of narrow streets that make up the ancient Ribeira district through to the grand plaza of the Trindade district. The region is famed for the production of Port, which is still stored and matured in the vast cellars that stretch along the banks of the Douro River.





This project is funded by the European Union



## ❖ GENERAL INFORMATION ABOUT THE INSTITUTIONS

### ERSE

The mission of ERSE is to regulate the electricity and natural gas sectors, being an effective tool for the efficient and sustainable operation of the respective markets while ensuring the protection of consumers and the environment, transparently and impartially. In the scope of this public service mission, ERSE is given a range of powers by law and its Statutes. These powers include, most notably: protecting consumers' rights and interests as regards prices, services and service quality; monitoring compliance with public service obligations and all other legal, regulatory and similar requirements; guaranteeing economic and financial balance to the activities of the regulated sectors exercised in the public interest companies within the framework of appropriate and efficient management; promoting competition in the energy markets between all their players.

### DGEG

**General Directorate for Energy and Geology (DGEG)** is the Portuguese Public Administration body whose mission is to contribute to the design, promotion and evaluation of policies related to energy and geological resources, with a view to sustainable development and guaranteeing the safety of the supply. The mission of DGEG includes, the need to make citizens aware of the importance of such policies, in the context of the desired economic and social development for the country, informing them of the instruments available for the implementation of political decisions and disseminating the results of its monitoring and implementation

### REN

**National Electricity Networks - REN** has two main business areas: electricity and natural gas. In Portugal, we operate the main transport infrastructure and we undertake the overall management of the National Electric System and the National Natural Gas System. We also have a natural gas distribution concession in the northern coastal region of Portugal

### INESC TEC

The cluster is focused on traditional and emerging areas of Power and Energy Systems, for planning and operation purposes, with an emphasis on the integration of renewable energy sources (RES), deployment of electric vehicles, management of distributed energy resources (DER), demand response (DR), smart grids and energy analytics. For that, the cluster uses steady state and dynamic network analysis, reliability models and tools, optimisation and soft computing, and forecasting. Their main research areas are;

- Co-simulation in Electrical Networks
- Multi-energy Networks
- Large-scale Modelling of Energy Systems
- Weather Intelligence Applied to Power Systems
- Stochastic Optimization of Energy Systems
- Predictive Maintenance and Asset Management





This project is funded by the European Union



- Towards 100% RES Integration and Massive Integration of Power Electronic-based Interfaces
- Smart-grid Hardware
- New Marketplaces for Energy Services
- Cybersecurity of the Grid
- System Resilience, Power System Planning, Energy Efficiency

## **PROF. PEÇAS LOPES**

Prof. Peças Lopes (PhD) is a Professor in the Faculty of Engineering at the University of Porto, where he teaches in the graduation and post-graduation areas.

He is Associate Director and Coordinator of the TEC4Energy initiative at INESC TEC, a private non-profit R&D organization recognized as Associate Laboratory by the Ministry of Science and the University of Porto as the main associate. He is Chair of the Scientific Council of Energy In.

Since 2012 he is a Chair of the REN award committee.

He is Vice President of the Board of the Portuguese Association for Electric Vehicles.

He is presently Chair of the International Steering Committee of the IEEE Power Tech.

He is a member of the Consulting Board of Porto Energy Agency.

Prof. Lopes Parts is an IEEE Fellow. He is a member of the Power Systems Dynamic Performance Committee of the IEEE PES. He is a member of the Scientific Council of FCT.

Prof. Lopes Parts was for more than 9 years Director / Member of the Board of INESC TEC.

Prof. Lopes Parts was responsible for INESC Porto activities in several EU funded research projects, namely the project - MICROGRIDS - Large Scale Integration of Micro Generation to Low Voltage Grids and MORE\_MICROGRIDS - Advanced Architectures and Control Concepts for More Microgrids and Scientific Coordinator of the Project MERGE - Mobile Energy Resources for Grids of Electricity.

## **EDP**

**EDP** is a multinational, vertically integrated utility company. 40 years of history and being present in 16 countries, in 4 continents. With more than 11.500 employees. It is the fourth largest wind energy production company in the world and almost 70% of its energy is produced from renewable resources. Provide electricity and gas to almost 11 million customers. Electricity distribution networks are made up of High, Medium and Low voltage cables and lines. Substations, transformation substations and public lighting facilities are also part and parcel of the distribution networks, as well as the necessary connections to consumer facilities and generation centres. EDP operates in three electricity distribution markets, Portugal, Spain and Brazil, having distributed, in 2017. In Portugal, the company operates throughout the mainland. In Spain, EDP operates in some autonomous communities, especially in the Asturias region. In Brazil, EDP operates in the states of Espírito Santo and São Paulo, through EDP Escelsa and EDP Bandeirante respectively. EDP's electricity distribution strategy is focused on the implementation of smart networks and related services, in order to meet future challenges and become an electricity distribution benchmark.





This project is funded by the European Union



## ❖ ACCOMODATION INFORMATION:

Hotel Description	SANA Reno Hotel
<p>Rating: 3 Star Avenida Duque De Ávila, 195 Lisbon, Lisbon 1050-082 Portugal Phone: 351-213-135-000 Fax: 351-213-135-001  Checkin Time: 2 PM Checkout Time: 12 Noon</p>	<p>In the centre of Lisbon, with a privileged location for those who visit for business or pleasure. The underground station opposite the hotel allows you to reach the historical centre, and the new area of Lisbon.</p> <p>SANA Reno Hotel stands out through its comfort, spaciousness and infrastructure. At the top of the hotel, the swimming pool allows you to enjoy the sun and heat of Lisbon and the sauna, relaxing after a day of leisure or work.</p>

### **T.C LIZBON BÜYÜKELÇİLİĞİ:**

Address: Avenida Das Descobertas, 22 Restelo 1400-092 Lisboa Portugal

Phone:351-213-003-110

### **T.C. LIZBON BAŞKONSOLOSLUĞU:**

Phone:351-213-003-122

