

# *1<sup>st</sup> Meeting of RWG*

## *History of electricity in Region*

***KICKOFF MEETING IN ATHENS***

**23 January 2020 at 9.00**

HEDNO (the Greek DSO) Headquarters  
Address: 20 Perraivou & 5 Kallirrois str., Athens,

**Prepared by Kresimir Bakic**

# HISTORY OF ELECTRICITY IN REGION

## **Proposed agenda:**

1. Opening of the meeting,
2. Composition of the RWG HER,
3. Discussion on Term of Reference
4. Program of work for 2020
5. AOB

# Composition of the WG - HER

NAME		SEERC Country
Maks Babuder	Convener	Slovenia
Kresimir Bakic	Member	Slovenia
Massimo Pompili	Member	Italy
Klemens Reich	Member	Austria
Sabina Dačić-Lepara	Member	BiH
J. Moser	Member	Croatia
Georgios Georgantzis	Member	Greece
Alex Levinzon	Member	Israel
Rexep Selimi		Kosovo

# Discussion on Term of Reference

## PERMANENT WORKING GROUP OF SEERC

Title of the WG:

### HISTORY OF ELECTRICITY IN THE REGION (HER)

Scope, deliverables and proposed time schedule of the Group :

### Background :

Electric power systems exist and grew up successfully during more than one hundred years. It is now the right time to learn from the past developments and support future transition of electric power systems with better knowledge of electricity opportunities and threats. Members of SEERC decided to conduct a research into the history of electric power deployment in the region and for this purpose establish a permanent working group aiming to unveil many historical data related to development of electricity sector. Electricity as the seventh and youngest form of energy became during this time one among the most important values in the life of mankind. Future changes need, besides innovations and knowledge of new technologies, also to make use of experiences from past developments. As the matter of fact, electricity as a phenomenon was discovered and studied first in the SEERC region (1800, Volta, University of Pavia) and from this point of view some commitments exist that experts from SEERC **open this history book and make a survey of pertaining remarkable achievements.**

Each SEERC member could delegate one or more RWG HER members.

**Meetings of RWGs could be organized during TAC meetings or SEERC conferences.** *First CIGRE history session* will be in June 2020 during the 3<sup>rd</sup> European Regional CIGRE Conference, in Vienna, Austria.

### Scope :

1. Collecting data on history records from regional member states (beginning of electrification, key history events important for electrification, penetration of certain technologies to power engineering, interconnections, unknown details regarding construction of crucial power plants, etc.)
2. Investigation of system issues in region, rising of regional cooperation, history of institutional arrangements in power sector,
3. Interesting stories about certain distinguished personalities and/or significant achievements in the electric power system,
4. Promoting important electric power engineers and scientists of each member state,
5. Cooperation with similar WGs in other CIGRE regions and wider (IEEE)

**Deliverables :**

- A. *Participation at special CIGRE workshops, symposia and similar events,*
- B. Publication of periodical reports on accomplished work and special editions (focused on selected period, or technological breakthrough in a SEERC member country)

**WORKING SECTIONS: (four periods by time)**

1. **Early electrification .....1880 up to the establishing of Cigre (1921)**
2. **Time of creation of systems ... 1921 up to 1951..roles of Cigre**
3. **Interconnections time ... 1951 up to 2000**
4. **Electrification after opening the energy markets over the world (after 2000)**

**WORKING SECTIONS: (historic achievements)**

1. **Elements of electric power system**
2. **Power plants developmens**
3. **Networks developments**
4. **Electricity education developments**
5. **System issues**

Sections of work	1880 -1921 Early electrification	1921-1951 Systems creation	1951 – 2000 Globalization of eps/interconnections	2000 – 2020 market issues
<b>Elements</b> (TR, OHL, Cables, Power electronics)				
<b>Power plants</b> (sources)				
<b>Networks</b> (construction)				
<b>Education</b> developments				
<b>System issues</b> (DC, AC, Hybrid, institutional arrangements)				

**WORKING SECTIONS: PARTICULARITIES**

- 1. Specific stories from countries related to electrification**
- 2. Specific experiences in past with deployment of certain equipment**
- 3. Stories of very distinguished persons in our region**
- 4. Other historic importance for future electric power systems**

**WORKING SECTIONS: NEW PROPOSALS**

- 1. ----**
- 2. ----**
- 3. ----**
- 4. ----**



# **First history session in Vienna, June 2020**

**Available time:**

**Selected themes:**

**Candidates for lectures:**

- **Italy:**
- **Croatia:**
- **Greece:**
- **Austria:**

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