



CIGRÉ SEERC

MINUTES OF THE MEETING IN ROME 2014

First official meeting of the South East European Region of CIGRE (SEERC) was held in Italy on Monday, **27th January 2014**, in the University La Sapienza, Via Eudossiana 18, Rome. Meeting was hosted by NC CIGRE of Italy and University of La Sapienza.

Agenda of the meeting (9:00)

1. Opening speech of the hosting country
2. Opening speech of the Chairman of SEERC
 - Examples of other Regional CIGRE activities
3. Exchanging information country by country, IT, HR, BA, RS, MN, MA, UA, SI,
 - National CIGRE events – coordination of dates for 2014, 2015
 - Interaction with CIGRE, Paris
4. Interest for establishing Regional Committees, WG's, forums
5. Short presentation of possible CIGRE regional coordination in PECEI or/and EU projects
7. First SEERC Conference in 2015
 - Selection of topics, programing committee,
 - Invitation for cooperation with MEDRING, ACER, ENTSO-E, other institutions
 - Academic and Industry forums,
8. Any other business (establishing SEERC web site, cooperation with other Regional CIGRE groups)
9. Follow up

Presence: Massimo Rebolini, Massimo Pompili, Enrico M. Carlini, Marco Marelli (all Italy)
Gojko Dotlić, Đorđe Golubović, Jovanka Gajica (Serbia)
Božidar Filipović-Grčić (Croatia)
Yuriy Bondarenko, Elena Prystupchuk (Ukraine)
Milutin Ostojić, Claudio Marchiori (Montenegro)
Rusmir Mahmutčehajić, Mario Kokoruš (Bosnia and Herzegovina)
Rubin Taleski (Macedonia)
Krešimir Bakič (Slovenia)

Excuses for absence: Ciprian Diaconu, Ioan Hategan, Costantin Moldoveanu (Romania).
Excuse for absence was received also from Chairmen of Austrian and Greece NC CIGRE.

Ad1)

The meeting was opened by the chairman of the Italian NC CIGRE Massimo Rebolini, who welcomed everyone present. Second opening speech gave Professor Massimo Pompili, who organized this event at University of La Sapienza. On behalf of the University, the Dean of Engineering faculty prof. Vestroni welcomed to SEERC members and has presented activities and importance of this Alma Mater.

Ad2)

Chairman of SEERC Kresimir Bakic had introductory presentation dealing with present situation of regional CIGRE organizations and possible activities within SEERC organization. He presented following regional CIGRE groups: NORDEL (North European), AORC (Asia Oceania Regional Council), RIAC (Ibero American Regional Council), Arab countries regional CIGRE conferences, SARC (South African Regional Conferences) and also non-CIGRE but similar Academic activity in region called DEMSEE (Deregulated Electricity Market South Eastern Europe). He also discussed about possibilities to cooperate SEERC with European Union special Energy Community group, which is responsible to support energy development in this part of Europe.

Ad3) Exchanging information country by country

Italy: Mr. Rebolini presented some very interesting figures about SEERC, as example:

- SEERC presents 875 equivalent CIGRE members (16%) of all European CIGRE membership (5491); considering NC CIGRE of Austria and Greece, which also supports SEERC, this region presents about 1200 equiv. members or 21% of European membership.
- Energy reserves of fossil fuels in the SEERC region are quite impressive: 51179 million tons of coal, 18525 million tons of lignite, 955 million barrel of oil, 1253 bcm of gas.
- HydroPower generation in 2011 was 99051 GWh with installed capacity of 38601 MW (w/out Ukraine), wind annual generation was 11206 GWh (install capacity 8038MW); solar generation was 18000 GWh (in 2012); geothermal generation was 5754 GWh, nuclear generation in 2011 was 96000 GWh, and biomass production 10832 GWh.

Italy agrees with general CIGRE strategic directions up to 2020 and is looking how to disseminate these activities on SEERC working program. In continuation he discussed on ten technical issues and possible nature disasters impacts on electricity networks. In line with cigre strategic directions Mr. Rebolini presented some newest technologies implementations in Italy and invited members of SEERC to visit HVDC substation.

Regarding to the activity of NC CIGRE he presented following events in Italy:

In 2014: Annual Convention of Italian Electro technical Association (AEIT), which will be held in Trieste in September 18-19, 2014. The title of event is: energy-communication – information – economy.

In 2015: in August will be Milan EXPO Energy for life – Feeding the planet, where will be organized by Italian NC CIGRE the workshop titled “*Innovative Electrical Networks for a Sustainable Development in Low Carbon Scenarios*”.

Croatia: Dr. Bozidar Filipovic from Croatian NC CIGRE presented activities in Croatia, as:

- Seminars, roundtables, colloquiums, symposia, and conferences in 2014-2015
- Beside other technical events NC CIGRE organizes every even year Symposium on Power System Management (C1, C2, C5, B5, and D2) and every odd year National CIGRE Session (all SCs). At Symposiums they have in average 100 papers with some 400 participants. At Biannual Sessions they have in average 230 papers and some 650 participants.

In 2014 Croatian NC CIGRE will organize:

- 5 seminars, 4 roundtables,
- International Colloquium (3rd) Transformer Research and Asset Management, which will be in Split, October 15-17, 2014
- Symposium (11th) on Power System Management, which will be in Opatija, November 10-12, 2014.

In 2015 Croatian NC CIGRE will organize National CIGRE Session in Sibenik, November 9-12.

Ukraine: Yuriy Bondarenko presented Integrated Power System of Ukraine. Electricity generation of the Ukrainian system in 2011 was about 200 TWh (90 TWh Nuclear, 85 TWh Thermal, 11 TWh Hydro and 8 TWh from other local resources). Network is connected with all neighboring countries. One part of network (so called Burshtyn island) is operate with ENTSO-E interconnection synchronously exporting more than 3100 GWh/a. Bondarenko presented also very interesting new project in Ukraine 7x420 MW Hydro Pump Storage project Dnestrovskaya. Ukrainian NC CIGRE has announced following events in next two years:

In 2014:

- February 10-14, 2014: Workshop “Modern methods of analysis of steady-state regimes and transients in power systems operation. Latest achievements in holding of training preparation operational and dispatch personnel power systems and regional power Distribution Company”.
- March 10-14, 2014: Scientific conference "Maintenance of high voltage electrical networks, substations and other power objects during thunderstorm activity and at high temperatures”.
- April 2014: Scientific and Technical Conference "Fire-resistant cables for energy purposes. Construction of high reliability wires for overhead power lines. Lightning protection”.
- September 2014: Scientific and Technical Conference "System Solutions for relay protection and ACS power plants and networks«.
- September 21-27, 2014: International Conference "Electro-mechanics, electro-technology, electrical materials and components."
- October 2014: International Scientific and Practical Conference "Experience in implementing gas insulated equipment in Ukraine and problems of its operation«.

YOUTH SECTION OF CIGRE

- March to May 2014: Ukrainian Olympiad "Theoretical Foundations of Electrical Engineering"

- December 2014: International scientific and technical conference of young scientists and students
“Modern problems of electric power and automation”.

Macedonia: Prof. Rubin Taleski presented activities of NC CIGRE. Every two years NC CIGRE organizes national CIGRE conference. Next conference will be in September 2015. In average they receive 140 papers, about 25% from abroad. NC CIGRE of Macedonia announced next events in next two years:

In 2014: Students CIGRE Conference

In 2015: National CIGRE Conference in September. Call for papers will be launched soon.

Serbia: Chairman of the NC CIGRE Mr. Dotlic presented activity of CIGRE in Serbia. He announced events organized by Serbian NC CIGRE in next two years:

In 2014: In October, Information and Communication Conference (SC D2 and C2)

In 2015: In May (usually last week), regular biennial National CIGRE Conference. Call for papers will be launched in autumn 2014.

Bosnia and Herzegovina: Prof. Rusmir Mahmutcehaic, chairman of NC CIGRE presented activities and future events as follows:

In 2015: 12th National CIGRE Session will be in September 2015. Soon will be defined date and location as well as preferential subjects.

Beside organization of CIGRE events he introduced editorship of electrotechnical magazine as a new activity of National Committee. The title of review is “Bosanskohercegovačka elektrotehnika”, which is publishing 6 times per year. They invited members of SEERC to participate.

Montenegro: Prof. Ostojic, chairman of NC CIGRE presented new planned transmission plants in Montenegro and also activity of CIGRE. They have in plans to organize an International Round table or Colloquium on Environmental issues as the most interested topic in Montenegro nowadays.

In 2015: National CIGRE Session will be in May but exactly date will be defined after coordination process with other neighboring NCs of CIGRE.

From Montenegro we had one more contribution by Claudio Marchiori, representative of TERN Montenegro presenting and discussing on very interesting topic - power cable interconnection under the Adriatic Sea between Italy and Montenegro.



Slovenia: Chairman of the NC CIGRE Kresimir Bakic presented activity of CIGRE in Slovenia. He explained organization of CIGRE-CIRED Association in Slovenia and announced events organized by National Committee CIGRE in next two years:

In 2014: a) May 27, International Colloquium on “Protection and Automation in Power Electric systems, yesterday, today and for tomorrow”. This event is dedicated to celebration of 90 year anniversary of the emeritus Professor Anton Ogorelec, who used to be for many years a chairman of CIGRE NSC Protection and Automation in former JUKO CIGRE as well as active member of SC in CIGRE Paris.

b) In November is going to be second annual workshop on Maintenance management in network utilities.

In 2015: In May (date will be coordinate with CIGRE of Serbia and Montenegro) will be 12th Conference of the Slovenian Electric Power Engineers, which is traditional biennial conference in Slovenia. Expected number of papers is about 200 answering on preferential subjects. At the last conference was 250 papers but NC decided to reduce number of papers. All papers can be in Slovenian or English language.

Action 3.1: *All information regarding different presented events and also including information from missing members (as Romania, Austria,...) will be presented at new web site of SEERC. Based on this document NCs will coordinate dates and try to skip overlapping dates of CIGRE regional events. Members of all NCs are invited to participate at the regional CIGRE events.*

Ad4) *Interest for establishing Regional Committees, WG's, forums*

This item of agenda triggered very vivid discussion.

Member from Bosnia and Herzegovina exposed legal issues of our organization.

Member from Ukraine stressed importance of cooperation and suggested establishing working group for supporting projects in Ukraine (like a large Hydro pump storage project), tutorials for cables, joint working groups for different technical issues as well as for student's cooperation. Member from Montenegro supported him. Member from Serbia proposed a similar organization as in other Regional CIGRE organizations.

Italian member underlined our voluntary option of technical cooperation and proposed establishing groups for Regional Market issues, technical issues of interconnections, and environmental issues task forces. He proposed to prepare **Position paper of SEERC**. Italian expectation of the work in this regional CIGRE organization was to learn more from other countries about network development plans and what methods are in use in region. He suggested to set up working groups of common interest like to exchange information regarding new technology use or how different systems solving the problems with penetration of large number of renewables.

Organizer of the meeting prof. Massimo Pompili proposed establishing Ad Hoc working group which will prepare template questionnaire to analyze member's opinions and to propose model of organization. It model will consist how to organize WGs, Roundtables, Forums on certain topics, organization of Conferences and coordination with Technical Committee or Study Committees of CIGRE

Action 4.1: *Ad Hoc working group was established. Convener will be Kresimir Bakic and members Massimo Pompili, Yuriy Bondarenko, Đorđe Golubovic, and Claudio Marchiori. Ad Hoc WG will prepare report as soon as possible, which will be base document for organizational framework of SEERC. It will be discussed at the next meeting.*

Ad5) *Possible CIGRE regional coordination in PECEI/EU projects*

Chairman made a short presentation of PECEI projects in South East European region led by Energy Community from Vienna department of European Commission. Next possible cooperation and exchanging information could be within CIGRE members of EU in new research program Horizon 2020.

After discussion it was obvious that these activities are possible but probably later on.

Chairman also discussed about cooperation SEERC with MEDRING and other European organizations. SEERC will invite other countries in this region to join us after they establish National Committee of CIGRE (Turkey, Bulgaria, etc.)

Ad6) *First SEERC Conference in 2015*

Chairman proposed first SEERC Conference in 2015 in Portorose in Slovenia. He also proposed the main structure of the conference stressing on nearing South East Region with Central and Western Europe energy cooperation in framework of CIGRE strategy directions. But after discussion, majority of members agreed that we need at the first step organizational framework for future regional cooperation.

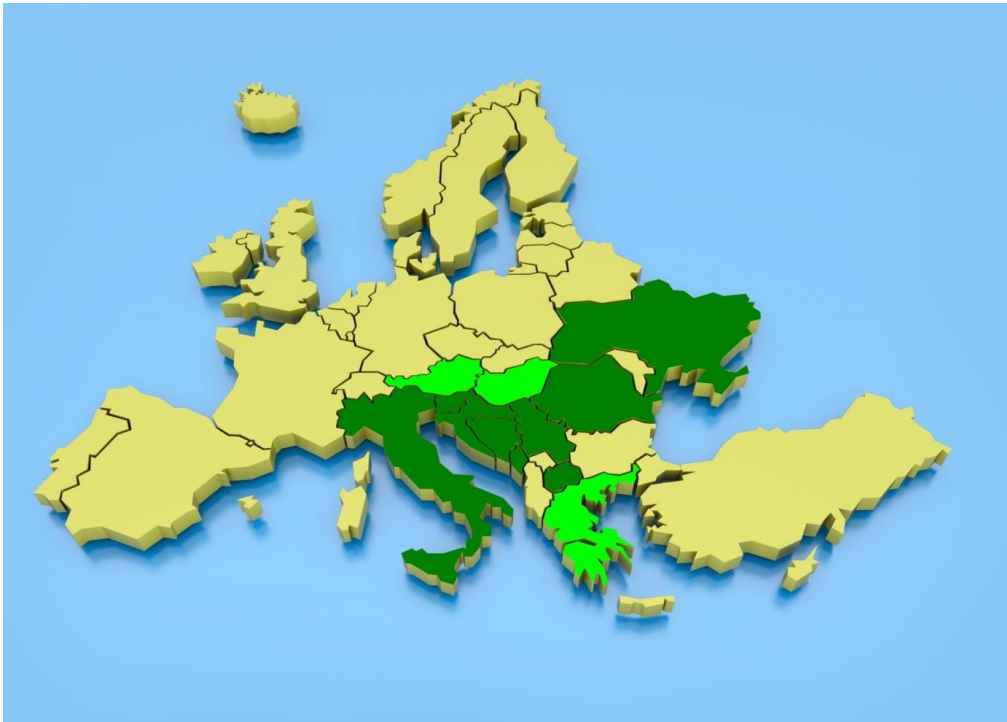
Action 6.1: *Decision regarding to the first SEERC Conference with coordinate program will be approved at the next meeting and after report of Ad Hoc working group. Next meeting have to be before CIGRE Session in Paris (August 2014).*

Ad7) AOB

Chairman informed that in few months a new SEERC web site will be organize with address www.seerc-cigre.eu. Web site will be paid and maintained by Slovenian NC CIGRE. The secretary of the Slovenian NC CIGRE will take responsibility for this activity. SEERC members will have possibilities to upload/download contributions.

Action 7.1: *members agree to support Italian member Mr. Massimo Rebolini as candidate of SEERC for Steering Committee of CIGRE.*

Chairman of SEERC:
Krešimir Bakič



SEERC member states



Delegates of the first SEERC meeting in Rome