

HISTORY OF SEERC

Briefly

The South East European Region of CIGRE (SEERC) is the fourth World Region of Cigre and was established on 13th of May 2013 in the small Adriatic town Miločer in Montenegro, at a meeting in the hotel Maestral Resort & Casino. In presence of the President of Cigre, Prof. Klaus Fröhlich, and Secretary General of Cigre, Francoise Meslier, representatives from nine National Committees of Cigre (Bosnia-Herzegovina, Croatia, Italy, Macedonia, Montenegro, Romania, Serbia, Slovenia and Ukraine) signed the Memorandum of Understanding (MoU), the legal document enabling the start of operation. Kresimir Bakic, current chair of the Slovenian NC Cigre, was elected to be the first chairperson of SEERC. Three Cigre National Committees (Austria, Greece and Hungary) sent supporting letters for establishing the new Cigre Region and promised to sign the MoU in the coming period. At the next Administrative Council of Cigre, on 25th of September 2013 in Kazan (Russia), this initiative was officially approved as the fourth Region of Cigre. Thus, all official requirements were fulfilled for operation of the new global Cigre Region named SEERC.

Start of operation was happened in Rome, Italy, on 27 January 2014, at the University of Rome (La Sapienza). Main actions agreed in Rome were decision for preparation of SEERC Position paper, Questionnaire on technical data and interests for cooperation and framework of Technical work as well as model of the first Regional Cigre Conference. During Cigre Session 2014, on 28 August was organized unofficial meeting focusing on contents of Position paper and Questionnaire as well as discussion with president of Cigre and NC Greece regarding to the conditions of acceptance to new Cigre region..

Second Management Board (MB) (leaders of National Committees) meeting of SEERC was on 6 November 2014, in Belgrade, Serbia. This meeting was important due to extension of membership with NC Cigre of Greece and NC Cigre of Turkey as well as with organization of the first Workshop (“Maintenance and recovery of HV electricity transport systems and aerospace assistance”) in cooperation with European Space Agency (ESA), Italian Branch. At the Belgrade meeting were presented and approved Position Paper of SEERC and results of Questionnaire 1 as base for further technical work. In accordance with Questionnaire 1, was established Technical Advisory Committee (TAC) with task to take responsibility for technical work of conferences. For the first chair of TAC was elected Maks Babuder (Slovenia) with tasks to prepare Rule of Operation for SEERC Conferences and organization of work in TAC committee.

After establishing TAC in Belgrade, first technical body meeting was organized on 25 March 2015 in Vienna, Austria, at the Austrian Electrotechnical Association (OVE). Same day NC Cigre of Austria join SEERC. Special guests of the meeting were president of the Cigre Klaus Fröhlich and president of the European Academy for Science and Art, Felix Unger. Focus of the meeting was oriented to consideration on regional aspects of extended technical cooperation regarding to the new challenges of energy transition period. Decision was to select four topics for the first regional conference in Slovenia as well as special panels on development issues and academic forum on the new challenges for education of new generation of power engineers.

Third Management Board (MB) meeting was organized on 23 June 2015 in Kiev, Ukraine. The main decisions of that meeting were confirmation of the first SEERC Conference 2016 in Portoroz, Slovenia, and extension of membership with two new members (NC Cigre Austria and NC Cigre Czech/Slovak Republic). MB decided to launch four Regional Working Groups (RWG) based to discussion at TAC. Important conclusions were also the definition of tasks for governing bodies of SEERC and selection method of TAC members (up to 3 technical experts per member state). After meeting, Slovenian NC Cigre as first organizer of European Cigre Regional conference, announced call for papers for conference in Portoroz, Slovenia.

Second Technical Advisory Committee (TAC) was organized on 15-16 January 2016, in Athens, Greece. This technical meeting was crucial for the preparation of final scenario for first Conference. The main decisions of meeting was definition of program for regional conferences including acceptance procedure of the papers and method of reviewing as well as additional technical program. At the meeting was very clear missing the Rules of Operation for Regional conferences.

Fourth Management Board (MB) meeting was on 6 June 2016 in Portoroz (Slovenia) just before the First European Regional Cigre conference. The main decision was take over the leadership of SEERC Council

(MB) from NC Cigre of Slovenia to NC Cigre of Ukraine. NC Ukraine selected Yuriy Bondarenko as next chairperson of SEERC for period of two years (2016-2018).

FIRST SEERC CONFERENCE was on **7-8 June 2016** in the North Adriatic town Portoroz, Slovenia, in Grand hotel Bernardin, Congress center. Conference dealt with four topics:

1. Energy and Environmental Policy in the Region,
2. Submarine Cables Issues in the Region,
3. Regional Energy Market Aspects, and
4. Innovation in Electric Power Infrastructure of the Region,

and two panels:

- a. Electric Power Systems in Region Challenges for 2030, and
- b. Academic Forum on challenges in education concerning to transition of energy system.

All together, 93 papers were accepted for oral presentation and 18 presentations of keynote speakers. Attendance of conference was 324 participants and 19 sponsors for exhibition.

Papers are available at e-cigre as well as at SEERC website.



2016 FIRST SEERC CONFERENCE, PORTOROŽ (Slovenia) – PARTICIPANTS INFRONT OF CONGRESS CENTRE

Next unofficial SEERC meeting was organized during Cigre Session **2016 in Paris, on 23 August**, in the Ukrainian Embassy. Focus of the meeting was oriented to further technical work in Region and upgrading of Questionnaire- version 2. After two years of operation, SEERC extended from 9 countries to 14 countries (in 2016).

Third Technical Advisory Committee (TAC) was on **15-16 March 2017**, in Prague, Czech Republic. Participants came from 10 countries. Second version of Questionnaire, which was presented at the meeting, gave answers for selection of three topics and framework for next Regional Conference in June 2018, in Kyiv. Ukrainian NC Cigre as organizer of the second conference selected Prof. Maks Babuder for chairperson of Technical Advisory Committee (TAC) for conference 2018. One of discussion topic was missing of the rules of operation for better manage conferences. At the meeting were presented a couple of very interesting technical events in different countries, particularly related to resilience issues (cyber security, ice storms).

Fifth Management Board meeting was on **18-19 October 2017** in Istanbul, Turkey. Representatives of Ukrainian NC Cigre presented framework of the second SEERC conference in Kyiv 2018. Other important items of the meeting were extension of the membership for one new member NC Cigre of **Kosovo**, discussion on SEERC rules of operation, results from the first conference in Slovenia 2016, reports from RWGs, extended version of Questionnaire 2 and synopses for Kyiv Conference issues. As at all meetings

hosting National Committee Cigre of Turkey present electric power up-to-date situation, and experiences in the operation as well as development in power sector. Other members presented technical new in own systems (Bosnia-Herzegovina, Croatia, Austria, Italy).

Fourth Technical Advisory Committee (TAC) was on **25-26 January 2018**, in Rome, Italy. Main discussion was focused to acceptance procedure for papers for Second Conference and needs for SEERC Rules of Operation (RoO). First version of RoO was presented. After discussion was agreed, that version needs some corrections. Acceptance have been postponed to the next MB meeting in Ukraine.

Second day was third SEERC Workshop "Resilience of Electrical Grid: Events and Solutions".

Presentations at workshop were from Austria, Croatia, Greece, 5 from Italy, Kosovo, Slovenia and 2 from Ukraine.



2018 SEERC WORKSHOP IN ROME, ITALY

Sixth Management Board meeting was on **11 June 2018** in Kyiv, Ukraine. Meeting one-day before Regional Cigre Conference notify that after conference would be changed leadership of Region. Unanimously was approved that representative of NC Cigre of Austria, Klemens Reich, would take over leadership for period 2018-2020.

Other decision were acceptance of **Georgia** as new (sixteenth) member of SEERC and discussion on Rules of Operation, which was prolonged again to the next MB meeting. It was agreed that Austrian NC Cigre organize 7th MB meeting in Paris, in August during Cigre session 2018, where should be approved Rules of Operation. In four years of operation SEERC extended membership from 9 to 16 countries.

SECOND SEERC CONFERENCE was on **12-13 June 2018** in Kyiv, Ukraine. Conference dealt with three topics:

1. Regional Aspects of Electricity Market Development ,
2. Resilience Issues of Electric Power systems in Region, and
3. Innovation in Electric Power Infrastructure of the Region,

Al together was accepted 73 paper for oral presentation.

Attendance of conference was about 300 participants.

Papers are available at e-cigre as well as at SEERC website.



2018 SECOND SEERC CONFERENCE IN KYIV (Ukraine) – Participants after opening ceremony

Seventh Management Board meeting was on 30 August 2018 in Paris, France. Beside representatives of the member states as guest was representative of Israel, who expressed wishes to join SEERC Region of Cigre. The main decisions of the meeting was acceptance of the Rule of Operation. It will be implemented in further operation of MB, TAC and procedures for paper selection and reviewing. New chair of TAC is Wolfgang Hribernik (Austria), who will coordinate technical work. Klemens Reich announced that new SEERC web site should be open soon and invited members to participate with contributions from own country. Also he announced the invitation to an unofficial TAC meeting in Vienna, where should be open discussion on future technical work of SEERC. Next SEERC conference will be on 16-17 June 2020 in Vienna.



2018 – 7th MB meeting of SEERC in Paris

Long version of SEERC history, starting in 2009, is prepared for the book, which is planned for 2020 - Vienna Conference.