

SOUTH EASTERN
REGIONAL COUNCIL OF
CIGRE
(SEERC)

**11-th CIGRE SEERC TECHNICAL
ADVISORY (TAC) MEETING**
Rome

January 22, 2025

Edhem Bičakčić, SEERC President
Sabina Dacić-Lepara, TAC President



Introduction to SEERC

- **What is SEERC?**
- The South-East European Regional council of CIGRE is one of four CIGRE regional councils and has 17 member countries including Austria and Ukraine.
- **Role and Impact:** SEERC aims to advance knowledge in the energy sector, focusing on sustainable and efficient energy solutions. The organization fosters regional cooperation and knowledge exchange.

SEERC Organizational Structure

- **Management Board (MB):** Responsible for strategic decisions and governance, ensuring alignment with CIGRE's global objectives.
- **Technical Advisory Committee (TAC):** Focuses on technical developments and innovations in the energy sector, coordinating regional working groups.
- **Regional Working Groups (RWGs):** Specialized groups focusing on specific topics such as energy efficiency, decarbonization, and market development.

Recent Leadership and Events

- **Bosnia and Herzegovina's Presidency:** Bosnia and Herzegovina assumed the SEERC presidency in 2023, under the leadership of Edhem Bičakčić, focusing on regional energy cooperation. Sabina Dacić-Lepara appointed as TAC president.

- **Key Events Organized:**

1. Joint meeting of SEERC MB and TAC in Ljubljana (Slovenia) on February 28, 2024.
2. Second CIGRE SEERC Colloquium in Ljubljana (Slovenia) on February 29, 2024.
3. TAC meeting in Cavtat (Croatia) on May 27, 2024.
4. 7th SEERC Workshop in Cavtat (Croatia) on May 28, 2024.
5. MB SEERC Meeting in Paris (France) on August 24-th.

6. 11-th CIGRE SEERC TAC meeting in Rome, January 22-th SEERC.
 7. 4-th CIGRE SEERC GRID RESILIENCE workshop on January 23-rd.
- **Upcoming Conference:** Preparations for the **5th SEERC Conference in Sarajevo, set for June 4 -5, 2025**, focusing on cutting-edge energy topics.



Joint meeting of SEERC MB and TAC in Ljubljana, 2024

Main topic of the Meeting was preparations for 5th SEERC Conference:

✓ **Dates: June 4-5, 2025**

✓ **Location: Hotel Hills, Sarajevo**

• **Confirmed Topics:**

1. Increasing energy efficiency of existing facilities and increasing renewable energy capacities

- ✓ Technologies to improve energy efficiency and encourage the adoption of renewable energy sources and decreased emissions of greenhouse gases; presenting interesting projects.
- ✓ Advantages of energy efficiency, including diminished energy expenditures, and enhanced energy dependability, energy audits, regulations, energy management systems.
- ✓ Renewable energy technologies, economic and environmental benefits of solar, wind, hydropower, and geothermal technology; regulatory frameworks for funding; collaborations between the public and private sectors.

2. New technologies and methodologies for accelerated decarbonization and digitalization of electric power systems

- ✓ Advanced renewable energy integration and storage solutions.
- ✓ Internet of things, machine learning and smart grid technologies (artificial intelligence, sensor integration and predictive maintenance).
- ✓ Citizen's initiatives (energy communities, prosumers, e-mobility).



3. Development of the electricity market balancing and dynamic regulation

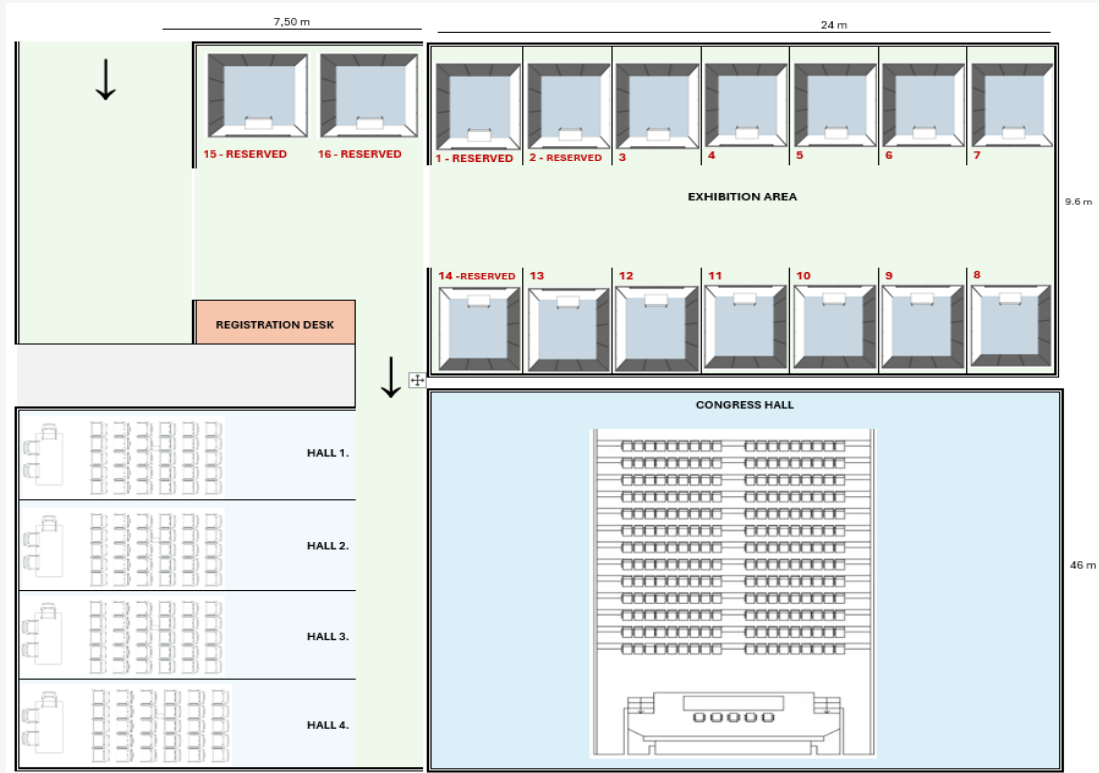
- ✓ Integration of national balancing markets in Europe, harmonization of requirements for Balancing Service Providers.
- ✓ Opening of ancillary service markets to distributed energy resources and TSO/DSO cooperation.
- ✓ Storage device evolution, technical and economic performances, short/medium term measures for balancing the grid and managing the electric system in the long term.



4. Resilience issues of the electric power systems

- ✓ The impact of climate change on the electric power infrastructure and the functioning of the electric power system.
- ✓ Electric power system adaptation concepts, strategies and innovative solutions to increase operational resilience.
- ✓ Electric power system security and resilience against cyber threats.

Layout of the conference/exhibition area in Hotel Hills Sarajevo for the 5-th SEERC Conference.



Revised deadlines for the 5-th CIGRE SEERC Conference 2025

We want to inform you of the updated deadlines for the 5th CIGRE SEERC Conference, scheduled in Sarajevo, Bosnia and Herzegovina, on June 4th–5th, 2025. Please find the revised deadlines below:

Notification of Synopses Acceptance:	30.01.2025
Full Paper Submission Deadline:	15.03.2025
Notification of Paper Acceptance:	15.04.2025

All accepted papers will be presented during the conference sessions and included in the conference proceedings. Selected papers will also be published in the B&H Electrical Engineering Journal.

SEERC Conference: Registered papers

A total of 176 papers were submitted, overview of submissions by topic:

1. Increasing energy efficiency of existing facilities and increasing renewable energy capacities, **49 papers**
2. New technologies and methodologies for accelerated decarbonization and digitalization of electric power systems, **45 papers**
3. Development of the electricity market balancing and dynamic regulation, **17 papers**
4. Resilience issues of the electric power systems, **65 papers**

Registered synopses by country:

From the SEERC region there are 156 registered synopses, and another 20 synopses from other regions.

The largest number of submitted papers came from Bosnia and Herzegovina – 38, Turkey – 25 and Croatia – 20.

No.	Country	Total
1	Austria	4
2	Belgium	2
3	Bosnia and Herzegovina	38
4	Croatia	20
5	Georgia	15
6	Germany	9
7	Greece	2
8	Hungary	1
9	India	2
10	Israel	3
11	Italy	12
12	Jordan	1
13	Kosovo	7
14	Montenegro	4
15	North Macedonia	4
16	Romania	2
17	Serbia	6
18	Slovenia	12
19	Spain	1
20	Switzerland	2
21	Turkiye	25
22	United Kingdom	3
Total		176

Proposed conclusions of the SEERC TAC MEETING in Rome, January 2025.

1. All submitted synopses should be accepted, with the possibility of reallocating some of them to more appropriate topics.
2. The Conference Organizer (BHK CIGRE) should ensure sufficient spatial and human resources for the poster presentations of papers across all four main topics, even if the number of posters exceeds 20 or 40 per topic.
3. A dedicated "general" topic should be created, potentially named "Advancing the Functionality of Power Systems and Equipment,,", where papers that do not align with the four main conference topics can be presented, either orally or as posters. These papers should be of interest to CIGRE and receive a positive evaluation from reviewers.
4. The Conference Organizer should ensure adequate spatial and human resources for poster presentations of papers within the additional topic.
5. The Conference Organizer, in collaboration with other SEERC members, should appoint additional Co-chairs for the topics that received the most synopses (64) - Topic 4.
6. It is recommended that the classification of papers into oral or poster presentations should not occur at this stage. There is a significant likelihood that some papers may not be submitted, may be rejected, or may not meet the expected quality. Papers should only be classified into oral or poster categories after their full text has been submitted and reviewed.

Proposed conclusions of the SEERC TAC MEETING in Rome, January 2025.

7. The three synopses submitted to the SEERC email after the application deadline should be taken into consideration and accepted by the Chairman.
8. As Topic 3 has received only 17 synopses, it currently lacks sufficient content for a poster session. Therefore, a new Topic 5 can be created as a poster session under the name "Advancing the Functionality of Power Systems and Equipment.,,"
9. Full papers can be prepared if they pass the review process and are accepted by the Chair based on their content and quality.
10. National Committees should provide a list of reviewers for Topics 1 through 5 to support the TAC Chair and Topic Chairs in completing the review process promptly, given the tight deadlines for conference preparation and organization.