



From goals to ACTION: Powering the FUTURE with **SUSTAINABLE ENERGY**

CONCEPT NOTE

Energy Connectivity, Resilience and Security in Southeastern Europe

28 October, 14:00- 17:00 (Skopje/Geneva)/TIME

Venue: Holiday Inn, Skopje, North Macedonia

Background

South East Europe (SEE) occupies a unique position in the European power system, serving as a critical crossroad between East and West. With rapid growth in renewable energy and rising demand for cross-border exchanges, the region faces both opportunities and challenges in ensuring secure, resilient, and well-integrated electricity systems.

The ongoing process of integrating the Western Balkans into the EU electricity market requires not only alignment of legal and regulatory frameworks, but also significant technical upgrades to transmission networks, interconnections, and system operations. The development of the East–West corridor and reinforcement of key North-South and East-West axes are central to improving regional security of supply, increasing system flexibility, and enabling larger-scale renewable energy integration.

At the same time, the transition to high shares of RES requires new approaches to balancing and flexibility. Tools such as regional reserve sharing, coordinated aFRR/mFRR activation, and battery energy storage systems (BESS) are becoming indispensable. Institutions like the Regional Security Coordinator (SeLeNe), working alongside national TSOs and ENTSO-E, play a critical role in coordinating planning, operational security, and outage management across borders.

This session will therefore examine the technical foundations for a more resilient, interconnected, and sustainable SEE power system, identifying regional priorities and opportunities for deeper EU-Western Balkans integration.

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The transformation of Southeast Europe's electricity sector is inseparable from its integration with the EU's internal energy market. Strengthening regulatory and legal alignment is crucial not only for improving security of supply and system resilience, but also for enabling regional market coupling and deeper participation in European platforms. The Clean Energy Package, CACM, and the Electricity Balancing Guideline provide the legal and technical backbone for this transition. At the same time, ENTSO-E processes and Energy Community obligations serve as guiding frameworks for the Western Balkans and the broader SEE region.

Recent progress in market coupling projects has shown both the opportunities and challenges of aligning legal, technical, and operational frameworks across multiple jurisdictions. Meanwhile, the creation of Adex, uniting BSP SouthPool, SEEPEX, and HUPX, represents a pioneering step in building a regional power exchange structure, with EEX as a strategic shareholder bridging Southeast Europe with pan-European liquidity. These experiences are highly relevant for the Western Balkans, including MEMO, as the region advances toward day-ahead market coupling and integration of balancing and ancillary services.

Objectives

- Assess the current state of the SEE interconnected system and identify strategic infrastructure needs.
- Explore regional cooperation mechanisms to enhance security, flexibility, and balancing capabilities under high-RES penetration.
- Highlight the role of Regional Security Coordinators, TSOs, and ENTSO-E in operational integration.
- Share perspectives from across SEE and the EU on advancing technical connectivity as part of broader EU-Western Balkans market integration.
- Explore pathways for full legal and regulatory compliance with EU frameworks.
- Examine lessons learned from existing market coupling initiatives in SEE.
- Identify regulatory challenges linked to high-RES penetration, cross-border balancing, and congestion management.
- Draw insights from the Adex/EEX cooperation model to guide WB6 market operators.





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- Strengthen the role of regional and EU institutions in supporting legal harmonization and integration.

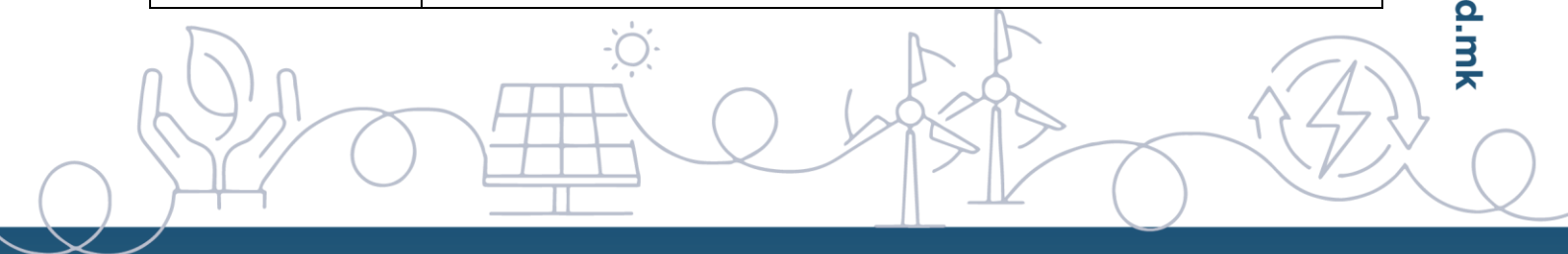
Target Group

The session will bring together transmission system operators, regulators, regional institutions, international organizations, and key stakeholders from the energy sector to discuss the technical enablers of energy connectivity and resilience in Southeast Europe.

Provisional Programme

Time (Skopje/Geneva)	Agenda
14:00- 15:15	<p>Session 1: Technical aspects of energy connectivity, resilience, and security in South East Europe (SEE)</p> <ol style="list-style-type: none"> 1. Current state of the SEE interconnected power system <ol style="list-style-type: none"> a. Overview of the ENTSO-E SEE grid - challenges and opportunities as a strategic crossroad between East and West. b. Key regional transmission corridors and their role in enhancing interconnectivity between EU Member States and the Western Balkans. c. Planned infrastructure for regional integration - status, challenges, and strategic value of ongoing and upcoming cross-border projects. d. East - West corridor (Turkey - Bulgaria - Greece-North Macedonia – Kosovo*) importance for regional power flows, system stability, and market integration. 2. Regional security, flexibility and balancing for high RES penetration <ol style="list-style-type: none"> a. Role of regional security coordinators (SeLeNe) in operational planning, outage coordination, and cross-border security analysis.

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	<ul style="list-style-type: none"> b. Regional reserve sharing and coordinated aFRR/mFRR activation in SEE - current arrangements, pilot projects, and future perspectives. c. Flexibility options – battery energy storage systems (BESS), demand-side response, and hybrid RES–storage projects in the region. d. Interoperability and harmonisation of operational procedures across SEE TSOs with ENTSO-E standards to facilitate deeper integration. <p>Moderator:</p> <ul style="list-style-type: none"> • ESO (Bulgaria) – Coordination of East–West corridor and interconnection projects. Dimitar Zarchev, Director of National Dispatching Center; Project Director of East–West Initiative <p>Panelists:</p> <ul style="list-style-type: none"> • SeLeNe Regional Security Coordinator – Operational planning and cross-border security management in SEE. Vaia Karathodorou, CEO • CGES (Montenegro) – Perspectives from additional regional interconnections toward Italy. Aleksandar Mijuskovic, Chairman of the BoD • MEPSO (N.Macedonia) – Contribution to regional grid reinforcement and operational security. Burim Latifi, General Manager • Energy Community Secretariat – Integration of Western Balkans legislation with EU frameworks. Davor Bajcs, Green Deal Expert on Sustainable Finance and Clean Energy Transition • European Commission, Directorate-General for Energy, András Hujber, Deputy Head of Unit
<p>15:45- 17:00</p>	<p><u>Session 2: Technical aspects of energy connectivity, resilience, and security in Southeast Europe</u> Session Themes 1. Integration with the EU Electricity Market</p>

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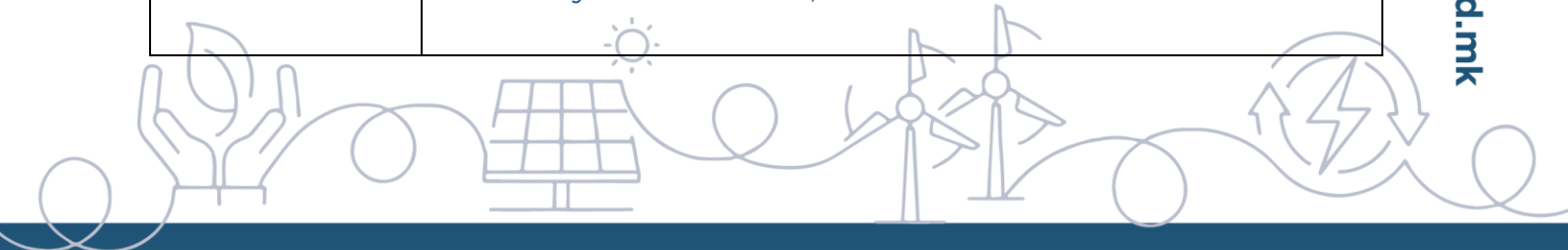
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- Compliance with the Clean Energy Package, CACM, and EB GL.
 - Steps toward alignment with EU Network Codes across SEE.
 - Role of ENTSO-E processes in supporting regional integration.
- 2. Integration with the EU Electricity Market**
- Compliance with the Clean Energy Package, CACM, and EB GL.
 - Steps toward alignment with EU Network Codes across SEE.
 - Role of ENTSO-E processes in supporting regional integration.
- 3. Path to market coupling in Southeast Europe**
- Ongoing activities in the Western Balkans.
 - Lessons from Serbia–Hungary, Bulgaria–Greece, and other regional projects.
 - Timelines, dependencies, and prerequisites for broader regional coupling.
- 4. Regulatory Challenges & Opportunities**
- Market rules for high-RES penetration and balancing needs.
 - Harmonizing capacity calculation methodologies across borders.
 - Coordinated congestion management strategies.
 - Integration of ancillary services and cross-border balancing platforms.
- 5. Experience from Regional power exchange cooperation (Adex/EEX)**
- Adex platform uniting BSP, SEEPEX, and HUPX.
 - EEX’s role as shareholder in Adex and link to EU liquidity.
 - Practical lessons for MEMO and other WB6 operators.

Moderator:

Energy Community Secretariat – Martin Martinoski,
Electricity and Statistics, EnC Secretariat.

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Panelists:

- ENTSO-E Legal Committee – Ivan Taleski, Head of Legal
- MEMO, CEO – Zoran Gjorgjievski
- SEEPEX, Managing Director, Miloš Mladenović
- HUPX, CEO - Mátyás Vajta
- BELEN, CEO – Dejan Draskovic
- Energy Regulatory Office of Kosovo*, Chairman of the Board and President of the Energy Community Regulatory Board (ECRB) - Mr. Ymer Fejzullahu

Mode of participation

The session will take place in a hybrid format (in-person and online).

Contact

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** All references to Kosovo should be understood as in accordance with the UN Security Council Resolution S/RES/1244 (1999) and without prejudice to the status of Kosovo.*

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