

# Newsletter - Royal Belgian Society for Energy



## Welcome to our community

Our society exists 140 years. We started in 1884 that electricity was a new energy carrier. KBVE SRBE kept on inspiring, communicating, challenging the energy vector electricity

Today, electric energy remains at the center in private, public, industrial and commercial applications. It touches everybody's mind, way of living and working.

KBVE SRBE had challenging times during Covid and we are now back in town completing our mission

Our previous chairman Frederic Dunon, CEO of Elia Belgium enlarged our scope from 'electric energy' to 'energy'. Electric energy carrying electrons will be traded with molecules, bits and euros. The importance of digitalisation, market dynamics, decarbonisation on electric energy and vice versa is enormous.

Our new chair, Inne Mertens, CEO of Sibelga, welcomes you " : The energy transition is in full swing and to address the challenges of decarbonizing society, close collaboration among energy sector stakeholders is essential. By combining efforts and expertise, we can identify and implement a mix of solutions. I look forward to continue the long tradition of the KVBE/SRBE in bringing together the academic community and the companies active in the energy sector in Belgium."

We are accelerating the information and addressing the challenges and solutions in the energy transition . More will come later this year



## Highlights to Our EU Grid Action Plan Seminar!

In March, we held our seminar on the EU Grid Action Plan. The venue was at the heart of the action, ENTSO-E offices in Brussels

We started at high altitude with a global view “ Setting the scene : Electricity grids and secure energy transitions” by IEA Rena Kuwahata. How EU is positioned with the ‘ EU Grid Action Plan’ is addressed with enthusiasm and knowledge by Ricardo Renedo Williams from the EU Commission. Going from Global to Europe to Belgium, Bert Van Loon from Belgian Min of Energy explained the ‘Barriers to the creation of an integrated European energy grid’.

After that the top 2 European organisations for transmission and distribution added more content to the EU Grid Action Plan. What is it for us?

“European grid development: from planning to commissioning” by ENTSO-E Edwin Haesen and “Suddenly in the spotlight: the key-role of DSOs in delivering the EU Climate and Energy Objectives” by DSO Entity Elisa Schenner After Q&A and exchanging views a deeper dive to Belgium continued.

The regulator highlights ‘CREG views on the European Grid Action Plan’ with Clara Verhelst. The federation of energy networks Synergrid represented by Francois Boisseleau expressed in detail the multiple challenges “ Belgium DSO developments and actions: 3 key challenges integrated approach electricity & molecule, investment and people”.

The TSO of Belgium Elia addressed also in detail ‘the Hosting capacity on the transmission grid: an illustration of 3 key challenges for the TSO’ carefully documented and explained by Kristof Sleurs. Finally the view of the customer, represented by Peter Claes from Febeliec on “Grid development for the energy transition, needs versus costs...”

Having started from the globe to Europe to Belgium and all stakeholders, a debate was moderated by De Tijd journalist Tobe Steel.

The highlights were that all speakers provided detail insights and quantitative data on the challenges and needed steps. The required actions are focussed on improved long term network planning, increase regulatory services, realize smart and efficient grids (including removing capacity constraints) , facilitate the financial needs, invest in permitting and public acceptance and strengthen the supply chain. Additional attention was given on a need for a global energy view namely electron&molecules, the need to attract talents and the impact on costs of energy.



## The Rise and Challenges of Battery Energy Storage

We are excited to invite you to our upcoming seminar, organized by KBVE-SRBE, focusing on "Battery Energy Storage: The Rise and Challenges of This New Green Asset."

Join us for a day of enlightening presentations and discussions on the latest advancements in battery energy storage technologies and their applications.

### Event Details:

Date: September 13, 2024

Time: 9:00 AM - 2:00 PM (followed by lab visits in the afternoon)

Venue: Laborelec, Rodestraat 125, 1630 Linkebeek

### Agenda Highlights:

The seminar will feature a series of informative presentations from distinguished speakers representing organizations such as BStore - Estorlux, EnergyVille - VITO, VUB - MOBI, Memoco - Climact - Becquerel Institute - ULB, Laborelec, Octave, John Cockerill Energy, SWECO, and IEA.

The event will begin with VITO discussing advancements in battery energy storage technologies. Experts from Laborelec will then explore grid integration and lab testing. Additionally, Laborelec and SWECO will offer valuable insights into materials, processing, and recycling within the battery storage industry. Sessions led by VUB-MOBI, IEA, and Octave will cover critical topics such as safety and sustainability. The seminar will also address various applications, including network, supplier, industrial, and domestic uses.

We are privileged to have Prof. Patrick Hendrick and Daniel Ladang as our session chairmen. Their combined expertise and leadership will greatly enhance the seminar, providing in-depth insights and enriching discussions.

### Register now

Don't miss out on this valuable opportunity to expand your knowledge and network with industry leaders. Register online now to secure your spot at this informative seminar.

[Register now](#)

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