



# ENERGY STORAGE

## Global Conference

BRUSSELS, 11 – 13 October 2022

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## ESGC 2022 PROGRAMME

Update: 10 October 2022

### DISCOVER MORE ABOUT THE FUTURE LEGAL FRAMEWORK.

#### **POLICY** DAY 1

Engage in the debate on how to change energy storage policies; learn about the "rules of the game" that will govern your projects in the upcoming years.

### LEARN FROM SUCCESSFUL BUSINESS CASES.

#### **MARKET** DAY 2

Gain insight from experts' innovative business cases, investments, emerging markets, major trends and storage applications. Acquire knowledge on what future business cases will look like.

### WHAT WILL BE THE NEXT BREAKTHROUGH TECHNOLOGY?

#### **TECHNOLOGY** DAY 3

Discover the latest developments in cutting-edge energy storage technologies and join the in-depth, technical discussions with leading experts driving storage technology development.

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8:00 - 9:00	<b>REGISTRATION AND WELCOME COFFEE</b>
9:00 - 9:10	<p><b>1.1 Welcome and Opening</b></p> <ul style="list-style-type: none"> <li>David Post, President, EASE, and Head of Sales and Marketing - Distributed Energy Solutions, Enel X</li> <li>Patrick Clerens, Secretary-General, EASE - European Association for Storage of Energy</li> </ul>
9:10 - 9:30	<p><b>1.2 Keynote Speech</b></p> <p>The European Commission will address the importance of energy storage in the energy system and the support required to maintain the EU's major role in the sector.</p> <ul style="list-style-type: none"> <li>Maroš Šefčovič, Vice-President for Inter-institutional Relations and Foresight, European Commission</li> </ul>
9:30 - 9:45	<p><b>1.3 Keynote Speech</b></p> <ul style="list-style-type: none"> <li>Mike Gravely, Team Lead Energy Technology System Integration, California Energy Commission</li> </ul>
9:45 - 11:00	<p><b>1.4 Political Support for Energy Storage Uptake</b></p> <p>This panel discussion will address the political backing necessary for the deployment of energy storage technologies.</p> <p>Moderator: Patrick Clerens, Secretary-General, EASE</p> <ul style="list-style-type: none"> <li>Mechthild Wörsdörfer, Deputy Director-General, European Commission - DG ENER</li> <li>Claudia Gamon, MEP, European Parliament</li> <li>David Post, President, EASE, and Head of Sales and Marketing - Distributed Energy Solutions, Enel X</li> </ul>
11:00 - 11:45	<b>NETWORKING COFFEE</b>
11:45 - 12:45	<p><b>1.5 Energy Market Design</b></p> <p>As the European Union looks to revise its energy market, panellists from the European Commission and the energy storage industry will share their thoughts on how to reform the market to best unlock the potential of energy storage.</p> <p>Moderator: Patrick Clerens, Secretary-General, EASE</p> <ul style="list-style-type: none"> <li>Catharina Sikow-Magny, Director, European Commission - DG ENER</li> <li>Alexandre Perra, Group Senior Executive Vice-President, Innovation, Strategy and Planning, EDF</li> <li>Lars Stephan, Policy and Market Development Manager, Fluence</li> </ul>
12:45 - 14:00	<b>NETWORKING LUNCH</b>

<p>14:00 - 15:15</p>	<p><b>1.6 Energy Storage Policy Implementation: EU Member State Perspective</b></p> <p>Has the Clean Energy Package been implemented at Member State level? Panellists will analyse the difficulties and successes encountered with the European Commission.</p> <p>Moderator: Patrick Clerens, Secretary-General, EASE</p> <ul style="list-style-type: none"> <li>• Alejandro Ulzurrun, Head of Unit B4, European Commission - DG ENER</li> <li>• Claudio Marcantonini, Secretariat Officer Technical Division, ARERA - Italian Regulatory Authority for Energy, Networks and Environment</li> <li>• Luuk Spee, Policy Coordinator, Dutch Ministry of Infrastructure and Water Management</li> <li>• George Loizos, Head of Electricity Networks and New Technologies, Greek Regulatory Authority for Energy</li> </ul>	
<p>15:15 - 16:00</p>	<p><b>NETWORKING COFFEE</b></p>	
<p>16:00 - 17:15</p>	<p><b>1.7a Energy Storage, Optimised Buildings, Empowered Consumers</b></p> <p>Panellists highlight the role of energy storage in optimising energy use within energy communities, and the decarbonisation of buildings.</p> <p>Moderator: Thomas Lewis, Policy Officer, EASE</p> <ul style="list-style-type: none"> <li>• Ciarán Cuffe, MEP, European Parliament</li> <li>• Stefan Moser, Head of Unit B3, European Commission - DG ENER</li> <li>• Roberto Zangrandi, Secretary-General, E.DSO</li> <li>• Joshua Roberts, Senior Policy Advisor, REScoop.eu</li> </ul>	<p><b>1.7b Decarbonising Europe's Heating and Cooling</b></p> <p>Heating and cooling is often overlooked, however it plays a significant role in decarbonising Europe's energy system.</p> <p>Moderator: Jacopo Tosoni, Policy Officer, EASE</p> <ul style="list-style-type: none"> <li>• Eva Hoos, Policy Officer, European Commission</li> <li>• Rob Vandenboer, Technical Director, Evapco</li> <li>• Raymond Decovert, Senior Account Executive, MAN Energy Solutions</li> <li>• Geoffroy Gauthier, Modelling Engineer and Project Manager, PlanEnergi</li> </ul>
<p>17:15 - 17:30</p>	<p><b>1.8 Day 1 Wrap Up</b></p> <ul style="list-style-type: none"> <li>• Patrick Clerens, Secretary-General, EASE</li> </ul>	
<p>19:00 - 23:00</p>	<p><b>OPENING NETWORKING DINNER* - Belgian Comic Strip Centre</b></p>	

\*Available to all on-site attendees. The Opening Dinner includes a Networking Cocktail and the EASE Student Award Ceremony.

8:30 - 9:30	<b>REGISTRATION AND WELCOME COFFEE</b>	
9:30 - 9:40	<b>2.1 Opening remarks</b> <ul style="list-style-type: none"> <li>Patrick Clerens, Secretary-General, EASE</li> </ul>	
9:40 - 10:00	<b>2.2 Keynote Speech</b> <p>The European Investment Bank is looking closely at how to better enhance the benefits energy storage can bring to the energy market, while being economically viable.</p> <ul style="list-style-type: none"> <li>Manuel Baritaud, Senior Energy Economist, European Investment Bank</li> </ul>	
10:00 - 11:00	<b>2.3 Minimising Curtailment</b> <p>While prices have reached all-time highs in the past months, we continue to waste renewable electricity. How can we save electricity, money, and the climate?</p> <p>Moderator: Martin Roach, Doctoral Researcher, Vlerick Business School</p> <ul style="list-style-type: none"> <li>Chris Matson, Partner, Lane Clark &amp; Peacock</li> <li>Astrid Hartwijk, Chief Development Officer, Corre Energy</li> <li>Lelde Kiela-Vilumsone, Team Leader - End-use sectors, impacts and methodologies, European Commission</li> </ul>	
11:00 - 11:30	<b>NETWORKING COFFEE</b>	
11:30 - 11:45	<b>2.4 Keynote Speech: Moving Away From Fossil Fuels: Energy Security, Environment, and Prices</b> <p>The decarbonisation goals and the recent energy crisis make investing in energy storage even more urgent: technologies such as LDES have the potential to step up our efforts to reach a low-carbon energy system.</p> <ul style="list-style-type: none"> <li>Philipp Offenberg, Senior Manager Europe, Breakthrough Energy</li> </ul>	
11:45 - 12:45	<b>2.5a Challenges and Opportunities for Investors in Mature Markets</b> <p>Steady growth and decreasing prices are strengthening the business case for energy storage: what more needs to be done?</p> <p>Moderator: Thomas Otuszewski, Business Development Manager, CLERENS</p> <ul style="list-style-type: none"> <li>Diego Pavía, CEO, InnoEnergy</li> <li>Sophie Vasseur, Strategy Manager Storage Sector, EDF</li> <li>Jason Burwen, Vice-President of Energy, Storage, The American Clean Power Association</li> <li>Kane Thornton, Chief Executive, Clean Energy Council</li> </ul>	<b>2.5b Challenges and Opportunities for Investors in Maturing Markets</b> <p>The market for energy storage extends well beyond Europe: new opportunities are being unlocked, with a lot to learn from Asian markets.</p> <p>Moderator: Patrick Clerens, Secretary-General, EASE</p> <ul style="list-style-type: none"> <li>Xinjing Zhang, Professor, China Energy Storage Alliance</li> <li>Reji Kumar Pillai, President, India Smart Grid Forum</li> <li>Manuel Jose Milan Sanchez, Senior Energy Specialist, World Bank</li> </ul>
12:45 - 14:00	<b>NETWORKING LUNCH</b>	

<p>14:00 - 15:15</p>	<p><b>2.6a How to Make Local Energy Markets Work Efficiently</b></p> <p>With the decentralisation of electricity generation and growing electrification needs, DSOs will look into technical and financial options to make distributed flexibility a reality: how will these new services be procured?</p> <p>Moderator: Michael Villa, Executive Director, smartEn</p> <ul style="list-style-type: none"> <li>• Evangelos Kotsakis, Scientific/Technical Project Manager, European Commission, Joint Research Centre</li> <li>• Cem Basar, Head of Global Business Development, Enel X</li> <li>• Ellen Diskin, Head of National Network, Local Connection Programme, ESB Networks</li> <li>• Peter Vermaat, Secretary-General, EU DSO Entity</li> </ul>	<p><b>2.6b Maximising Revenue Streams When Balancing Transmission</b></p> <p>Ancillary services are one of the segments that can benefit the most from short-term energy storage solutions: but high-emitting technologies still play the biggest role. How do we ensure the decarbonisation of the balancing market?</p> <p>Moderator: Silvestros Vlachopoulos, Senior Analyst, LCP Delta</p> <ul style="list-style-type: none"> <li>• Koen Broess, Regional Segment Leader Energy Storage, DNV</li> <li>• Noemi Szabo, EU Affairs, National Grid</li> <li>• Jürgen Mayerhofer, CEO, enspired trading</li> </ul>
<p>15:15 - 16:00</p>	<p><b>NETWORKING COFFEE</b></p>	
<p>16:00 - 17:15</p>	<p><b>2.7a Synergies between Market and Regulated Entities</b></p> <p>TSOs and DSOs play a big role in ensuring a functioning market for energy storage: including it in their development strategies can cut costs and foster efficiency.</p> <p>Moderator: Layla Sawyer, Secretary-General, currENT</p> <ul style="list-style-type: none"> <li>• Anna Darmani, Lead Analyst, Energy Storage EMEA, Wood Mackenzie Power &amp; Renewables</li> <li>• Louise Oriol, Advisor, RTE</li> <li>• Kristian Ruby, CEO, Eurelectric</li> </ul>	<p><b>2.7b New Contractual Strategies for C&amp;I</b></p> <p>Ancillary services are not the only revenue stream for energy storage: C&amp;I players need storage to minimise their emissions. What are the best strategies to support them?</p> <p>Moderator: Patrick Clerens, Secretary-General, EASE</p> <ul style="list-style-type: none"> <li>• Julia Souder, Executive Director, LDES Council</li> <li>• Michele Pissarello, Head of Sales - Distributed Energy Solutions, Enel X</li> <li>• Juan-Carlos Mejia Pinto, Senior Business Development Manager, CellCube</li> <li>• Nick Bitsios, Head of Brussels Office, MYTILINEOS</li> </ul>
<p>17:15 - 17:30</p>	<p><b>2.8 Day 2 Wrap Up</b></p> <ul style="list-style-type: none"> <li>• Patrick Clerens, Secretary-General, EASE</li> </ul>	
<p>19:30 - 23:00</p>	<p><b>GALA DINNER*</b></p>	

\*Access to the Gala Dinner is granted through purchase of the Gala Dinner Pass on the Conference's registration page.

8:30 - 9:30	<b>REGISTRATION AND WELCOME COFFEE</b>	
9:30 - 9:40	<b>3.1 Opening remarks</b> <ul style="list-style-type: none"> <li>Patrick Clerens, Secretary-General, EASE</li> </ul>	
9:40 - 10:25	<b>3.2 Keynote Speeches</b> What is the European Commission and the Joint Research Centre's vision for energy storage? <ul style="list-style-type: none"> <li>Piotr Szymański, Director, European Commission, Joint Research Centre</li> <li>Tudor Constantinescu, Principal Adviser, European Commission - DG ENER</li> </ul>	
10:30 - 11:15	<b>3.3a Optimising Our Present-Day Power Infrastructure</b> The integration of renewable sources in the current power infrastructure presents serious challenges. Storage appears as the main instrument for optimising operations and offering new services, namely flexibility; however, new management systems are needed to ensure its potential is unleashed.  Moderator: Patrick Clerens, Secretary-General, EASE <ul style="list-style-type: none"> <li>Jürgen Sachau, European Commission, Joint Research Centre</li> <li>Abbas Hussain, Manager, Frontier Economics</li> <li>Stijn Stevens, Chief Technical Officer, meteocontrol</li> </ul>	<b>3.3b Combining Different Energy Storage Technologies</b> Why do we need to combine different energy storage technologies for the energy transition? What is the current state-of-the-art and the future of combined energy storage technology deployment in the European market? What are the challenges and opportunities faced by combined energy storage technologies?  Moderator: Jacopo Tosoni, Policy Officer, EASE <ul style="list-style-type: none"> <li>Gabriele Buccini, Senior Manager of Business Development, Energy Storage and Optimisation, Wärtsilä</li> <li>Linda Barelli, Associate Professor, University of Perugia</li> <li>Mikel Borrás Morrison, Innovation PMO Manager, IDP (HYBRIS Project)</li> </ul>
11:15 - 11:45	<b>NETWORKING COFFEE</b>	
11:45 - 12:45	<b>3.4a Long Duration Energy Storage: How to Ensure Flexibility from Days to Seasons?</b> How do we shift huge amounts of energy from summer to winter? Which long-duration energy storage technologies are best suited?  Moderator: Julia Souder, Executive Director, LDES Council <ul style="list-style-type: none"> <li>Davor Bajcs, Electricity Infrastructure Expert, Energy Community</li> <li>Mark Vyvyan-Robinson, Director, Highview Power</li> <li>Michael Geyer, Chief Strategy Officer, Malta Inc</li> <li>Alexander Schoenfeldt, CEO, CellCube</li> </ul>	<b>3.4b Raw Materials and Rising Costs: How Are They Impacting Energy Storage?</b> Aren't prices always supposed to fall? What has changed? What challenges do we face with the cost of raw materials?  Moderator: Kamila Slupek, Sustainability Director, Eurometaux <ul style="list-style-type: none"> <li>Antonius Manders, MEP, European Parliament</li> <li>Giuseppe Casubolo, Commercial Vice-President Industrial Nitrates, SQM</li> <li>Giorgio Corbetta, EU Affairs Director, EUROBAT</li> <li>Daria Giovannacci (Hedberg), Business Development and ESG Manager, Geyser Batteries</li> </ul>
12:45 - 14:00	<b>NETWORKING LUNCH</b>	

<p>14:00 - 15:00</p>	<p><b>3.5a Modelling a Changing Energy System</b></p> <p>How do we make sure that energy storage contribution is properly modelled? How do we ensure that both daily and seasonal needs are properly estimated?</p> <p>Moderator: Mashood Nasir, Project Manager, CLERENS</p> <ul style="list-style-type: none"> <li>• Giulio La Pera, Market Modelling Analyst, ENTSO-E</li> <li>• Maria Kannavou, Director of Energy Systems Modelling, E3-Modelling</li> <li>• Emma Woodward, Project Leader, Aurora Energy Research</li> </ul>	<p><b>3.5b Carbon and Material Footprint of Energy Storage Systems</b></p> <p>How do we measure and minimise the environmental footprint of energy storage? Throughout the value chain of energy storage, what can be improved to minimise its carbon footprint?</p> <p>Moderator: Kevin Bradley, Principal, Kevin Bradley Consulting</p> <ul style="list-style-type: none"> <li>• Fulvio Ardenete, European Commission, Joint Research Centre</li> <li>• Clémence Siret, Corporate Eco-Design Manager, Saft</li> <li>• Jan Mertens, Visiting Professor, Ghent University and Chief Science Officer, Engie</li> </ul>	
<p>15:10 - 16:10</p>	<p><b>3.6a Transformation and Evolution of Existing Infrastructures for Renewables and Storage</b></p> <p>How can we make existing infrastructure more sustainable and future-proof? Why is this essential for the energy transition?</p> <p>Moderator: Thomas Lewis, Policy Officer, EASE</p> <ul style="list-style-type: none"> <li>• Thomas Schleker, Policy Officer, European Commission</li> <li>• Alex Campbell, Head of Research and Policy, International Hydropower Association</li> <li>• Fabrizio de Candia, COO, E2S Power</li> <li>• Camilla Nilsson, CEO, Kyoto Group</li> </ul>	<p><b>3.6b Interoperability and Digitalisation in Energy Systems: Lessons for Storage Systems</b></p> <p>Integrating energy storage with other energy assets is the key to boosting the energy transition. Buildings, EVs, and other energy assets require the deployment of smart ICT infrastructure that enables bidirectional information exchange – but how do we get there?</p> <p>Moderator: Eirill Bachmann Mehammer, Research Scientist, SINTEF Energy Research</p> <ul style="list-style-type: none"> <li>• Vincent Berrutto, Head of Unit B5, European Commission - DG ENER</li> <li>• Evangelos Kotsakis, Scientific / Technical Project Manager, European Commission, Joint Research Centre</li> <li>• Mark Stefan, Senior Research Engineer, Austrian Institute of Technology</li> <li>• Stefan Englberger, EASE Student Award Winner, Technical University of Munich</li> </ul>	<p><b>Energy Storage Site Visit in Ruien*</b></p> <p>or</p> <p><b>European Parliamentarium Visit</b></p>
<p>16:10 - 16:40</p>	<p><b>3.7 Day 3 Wrap Up</b></p> <ul style="list-style-type: none"> <li>• Patrick Clerens, Secretary-General, EASE</li> </ul>		
<p>16:40 - 17:10</p>	<p><b>NETWORKING COFFEE - SEE YOU AT THE NEXT ESGC!</b></p>		

\*Due to limited capacity, access to the Energy Storage Site Visit must be confirmed by the event organisers.