

## Unlocking the Potential of Energy Storage - 50 Years of Innovation

Time	Title	Speaker	Content
9:00 - 9:30	walk-in with coffee		
9:30 - 9:45	Opening	Teun Bokhoven (Host) & Robin Horsmans - Dutch Delegates IEA Energy Storage TCP	Welcome address by host of the day and Dutch delegates IEA Energy Storage TCP
9:45 - 10:05	Keynote on Dutch Policy	Sophie Hermans - Minister of Climate Policy & Green Growth	The Netherlands have set an ambitious climate goal, and the transition of the energy system is actively encouraged by the government. This obviously leads to challenges how to assure that the growth of renewable sources like wind, solar and geothermal will match the need for renewable energy in the industry, build environment and mobility. Flexibility options like energy storage are needed to reduce the impact of grid congestion and support the decarbonization of the energy system.
10:05 - 10:30	Overview of 50 years TCP ES - what did we accomplish?	Halime Paksoy - Director & Professor Center for Environmental Research Çukurova Üniversitesi	The TCP on Energy Storage (ES TCP) was established in 1975. Professor Halime Paksoy is one of the most experienced scientist in the field of energy storage and has been involved in energy storage research and the ES TCP for decades, going back to the nineties of last century. She will share her view and will give an overview of the research journey over these 50 years of energy storage research within the international framework of the IEA Technology Network.
10:30 - 11:00	coffee break		
11:00 - 11:15	Energy storage within the scope of energy systems - Where will we go?	Andreas Hauer - Director & Professor Bavarian Center for Applied Energy Research	Energy storage developed into a key enabling technology to facilitate the transformation and decarbonization of the energy system. Dr. Andreas Hauer will address this key position of energy storage in all its aspects (electricity, thermal and molecules) in the current and future energy system.
11:15 - 11:30	Energy storage within the scope of the Dutch Energy System	Joris de Groot - Chief Transition Officer Alliander (Dutch DSO)	Challenges to manage grid congestion and matching renewable energy production with more electrification in the industry and mobility sector and the transformation in the heating sector cannot be solved only by extension of the electricity grids. It will also require smart solutions like energy storage.
11:30 - 12:00	Overview of Current Tasks & New Strategic Plan	Bert Gysen - Chair of the Executive Committee of ES TCP	Bert Gysen will lead us through the current portfolio of ES TCP activities and highlights of the Strategic Plan for the next five years.
12:00 - 13:00	Lunch break	Storage Market with Dutch Companies, active in energy storage and the Dutch trade association Energy Storage NL	
Storage Technologies	13:00 - 13:25 Keynote Speech on the international perspective on Storage Technologies	Elisa Asmash - Energy Analyst Renewable Energy Technologies at Renewable Energy Division in the IEA	The IEA is very well positioned to oversee the international developments for the energy decarbonization and the technologies, including energy storage, which are required to accommodate this transition. We will learn the IEA perspective on these developments. The IEA Technology Network facilitates international research and innovation collaboration.
	13:25 - 13:30 Q&A	Host	
Demand Sectors	13:30 - 13:45 Storage Technologies Overview	Joris Koornneef - Strategy Consultant TNO	Energy storage faces a fast growth and deployment. Ranging from home batteries, medium duration storage to high temperature underground storages and hydrogen storages. A quick overview how energy storage is becoming a key technology and some examples in the Netherlands.
	13:45 - 14:05 Demand sectors - Industry	Nienke Homan - President Royal Netherlands Chemical Industry Association (VNCI) & lead for the Climate agenda Industry	The industry is engaged in a huge electrification effort. Managing volatile renewable electricity sources to be used for industrial processes is a challenge for industry. In specific to keep a competitive and agile position in an international market. How can energy storage help to deal with this.
Social & Policy Elements	14:05 - 14:10 Q&A	Host	
	14:10 - 14:30 Demand Sector - Built Environment	Daniël van Rijn - Dutch Delegate IEA TCP EBC, Paul Ramsak - Dutch Delegate IEA TCP Geothermal, Nicole Kerkhof-Damen - Dutch Delegate IEA TCP ISGAN	Decarbonisation of the built environment requires a more integral approach. Energy needed for heating, cooling, charging of electrical vehicles and electric appliances and lighting will increasingly be generated and provided locally by PV, geothermal and other renewable sources. To accommodate these energy flows innovative energy management systems and energy storage are required. We will discuss the complexity and solutions with an expert team from RVO which are Dutch Delegates for the IEA technology collaboration programs of EBC, ISGAN and Geothermal. A panel discussion.
	14:30 - 14:50 Social Perspective of energy storage	Helena Gerard - Sr. Researcher Energyville/VITO	Decarbonizing our energy system is not only a technical exercise. In the end all consumers, industries and companies will be involved. This provides challenges on market perspectives related to the social aspects. Can storage help to create a fair transition? Helena Gerard, will discuss the challenges, barriers and approaches.
	14:50 - 15:10 Policy Perspective of energy storage	Balazs Jozsa - Policy Officer at DG ENER European Commission	Policies and regulations can help or delay the deployment of energy storage. In this presentation we discuss the international perspective on policies and regulations regarding energy storage.
	15:10 - 15:15 Q&A	Host	
	15:15 - 15:30 coffee break		
	15:30 - 16:15 Agenda for upcoming 25 years, what should we have achieved by 2050 as IEA ES TCP?	Mod: Gerrit Jan Schaeffer - Strategic Consultant Business4Good	Reflections on the previous sessions will be input for a moderated panel discussion to look ahead. What innovations and research will be needed to strengthen the enabling position of energy storage in a decarbonised energy system. A panel discussion.
	16:15 - 16:45 System Integration - The way forward	Diederik Samsom - Former Head of Cabinet European Commission, European Green Deal	Diederik Samsom, one of the major architects of the EU Fit-for-55 program, will inspire us with a talk how our energy future will evolve over the next 2 decades and how energy storage has a position in this exiting process.
	16:45 - 17:00 Round-up & take-home	Host	
	17:00 - 18:00 Networking Drinks	Storage Market with Dutch Companies, active in energy storage and the Dutch trade association Energy Storage NL	

Thursday 13th November 2025