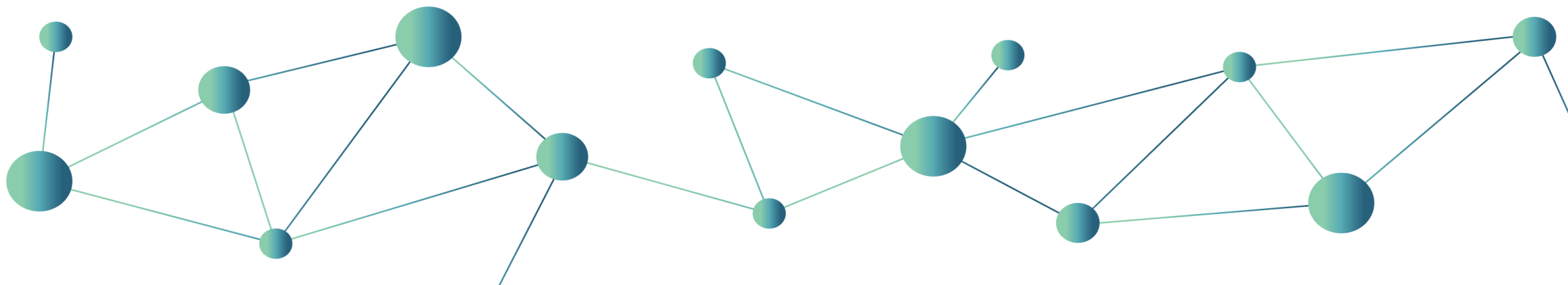


Energy Data Spaces Cluster Meeting: DSO Perspectives

Jan Felix Becker

Senior legal counsel
e.on SE





E.DSO understanding of the matter

- The emerging energy data space offers DSOs an opportunity to reinvent the way they **manage data within the energy system**.
- We understand a data space not as a technical description of physical infrastructure in the first place, but as a **set of rules for data sharing and interoperability**, facilitating the exchange of data within a trusted framework.
- DSOs support data spaces that **enhance cooperation among grid-connected customers and producers**. These data spaces improve information availability for grid operators, enabling more cost-effective data management, for example for demand-side response schemes, together with new, data-driven services.
- DSOs can play a crucial role in establishing a **reliable governance of a data space within the regulated domain**, following the rules of non-discriminatory approach and equal treatment of all participants.
- DSOs are learning how to navigate in the new, data-driven landscape, with the need to invest in technology and **collaborate across the energy and digital landscape**.
- Important: The cornerstone of a successful data space is the **mutual trust between data providers and customers** in the energy value chain, coupled with advanced business models that capture and distribute the value of shared energy data across the entire energy and data value chains.

E.DSO understanding of the matter

Opportunities

- The energy data space would **empower DSOs with easily available real-time data insights into grid performance**. This enables proactive grid management, quicker issue resolution, and improved reliability.
- DSOs can harness data to **implement demand-side response programs more efficiently**, reducing peak loads and enhancing overall grid stability.
- Access to data analytics allows DSOs to predict equipment failures, enabling **timely maintenance and cost savings**.
- DSOs can better **integrate renewable energy sources into the grid** by leveraging data for forecasting and balancing supply and demand.
- The energy data space will promote **customer engagement** by offering them insights into their energy usage and possibility to participate in the energy market, encouraging energy efficiency and sustainability.
- **Creating value for all participants** is the key to a successful implementation of the energy data space.

Challenges

- Protecting sensitive customer data in compliance with stringent privacy regulations is a **top priority** for DSOs.
- Ensuring **interoperability and standardization of data formats** across various energy data sources can be complex and time-consuming.
- Many DSOs may however **lack the resources** required to effectively manage and analyse the vast amount of data generated in the upcoming Energy data space.
- Maintaining **data accuracy and integrity** is essential for making informed decisions and avoiding operational disruptions.
- DSOs need also to navigate a **complex regulatory landscape** to ensure that they meet data protection and security requirements