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DATAWEEK

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DATA FJORDS: UNLOCKING AI FOR INDUSTRY & SOCIETY

5-6 May 2026 / Oslo

SUPPORTED BY

The Research Council of Norway

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Introducing dataspace technology to enable secure, trusted data exchange among stakeholders in the Norwegian energy system, thereby enabling innovation

The role of Data Intermediation Service Providers (DISP) for establishing trust between the actors in the energy system

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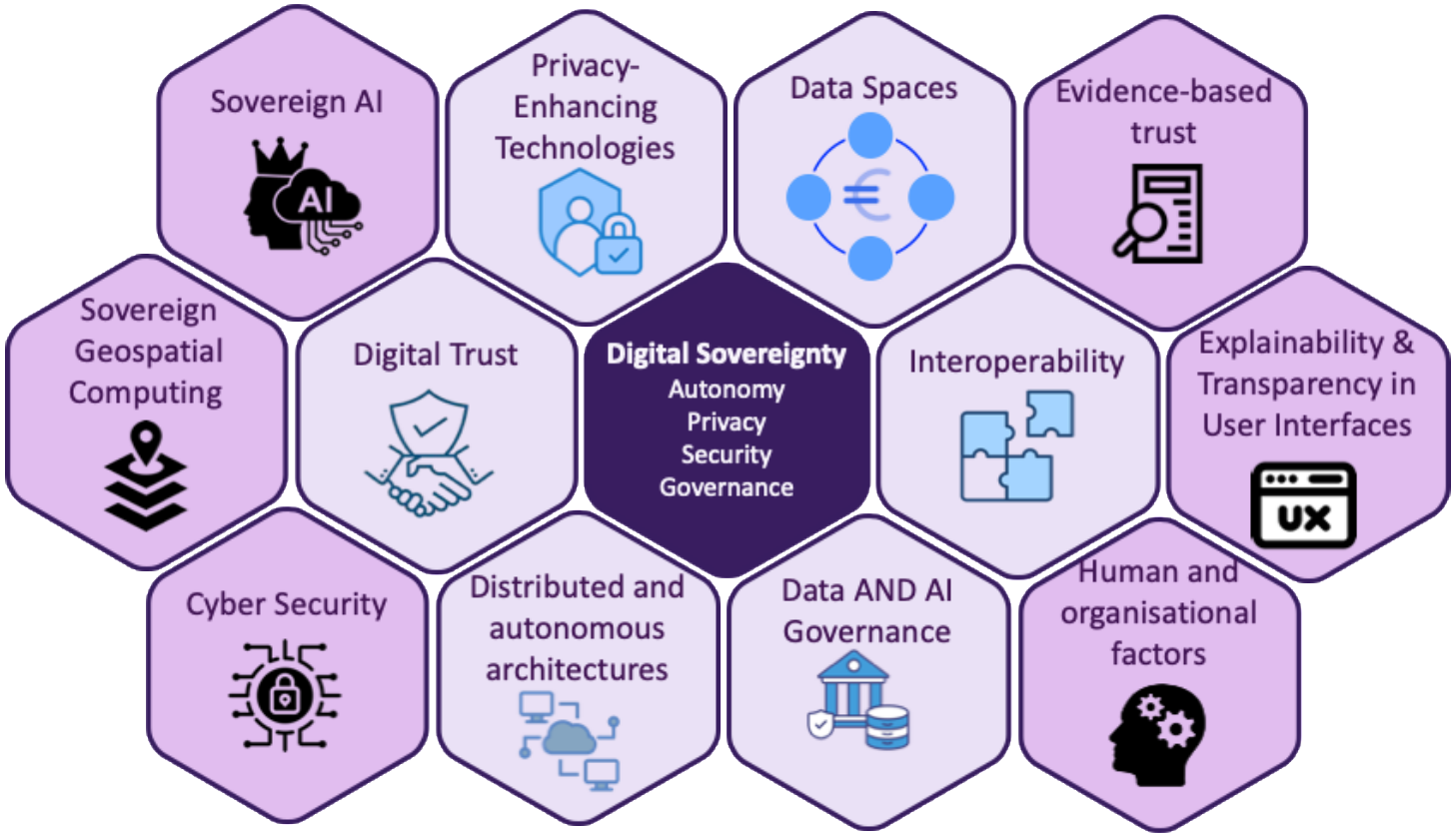
Institute for Energy Technology

Research for a better future

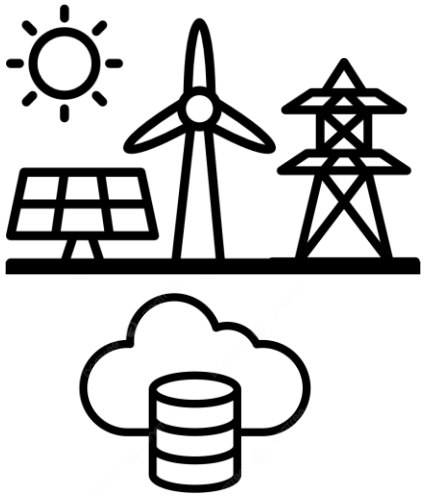


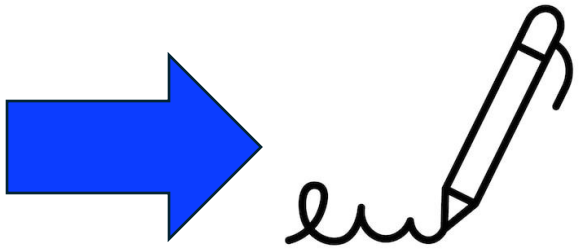
Petter Kvalvik

Head of research on Digital Sovereignty
Institute for Energy Technology

The use case

Energy Sector Stakeholders



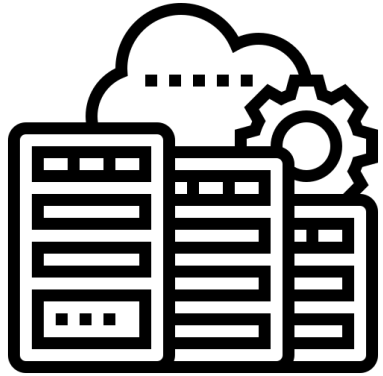


Start-up

Secure and trusted data exchange

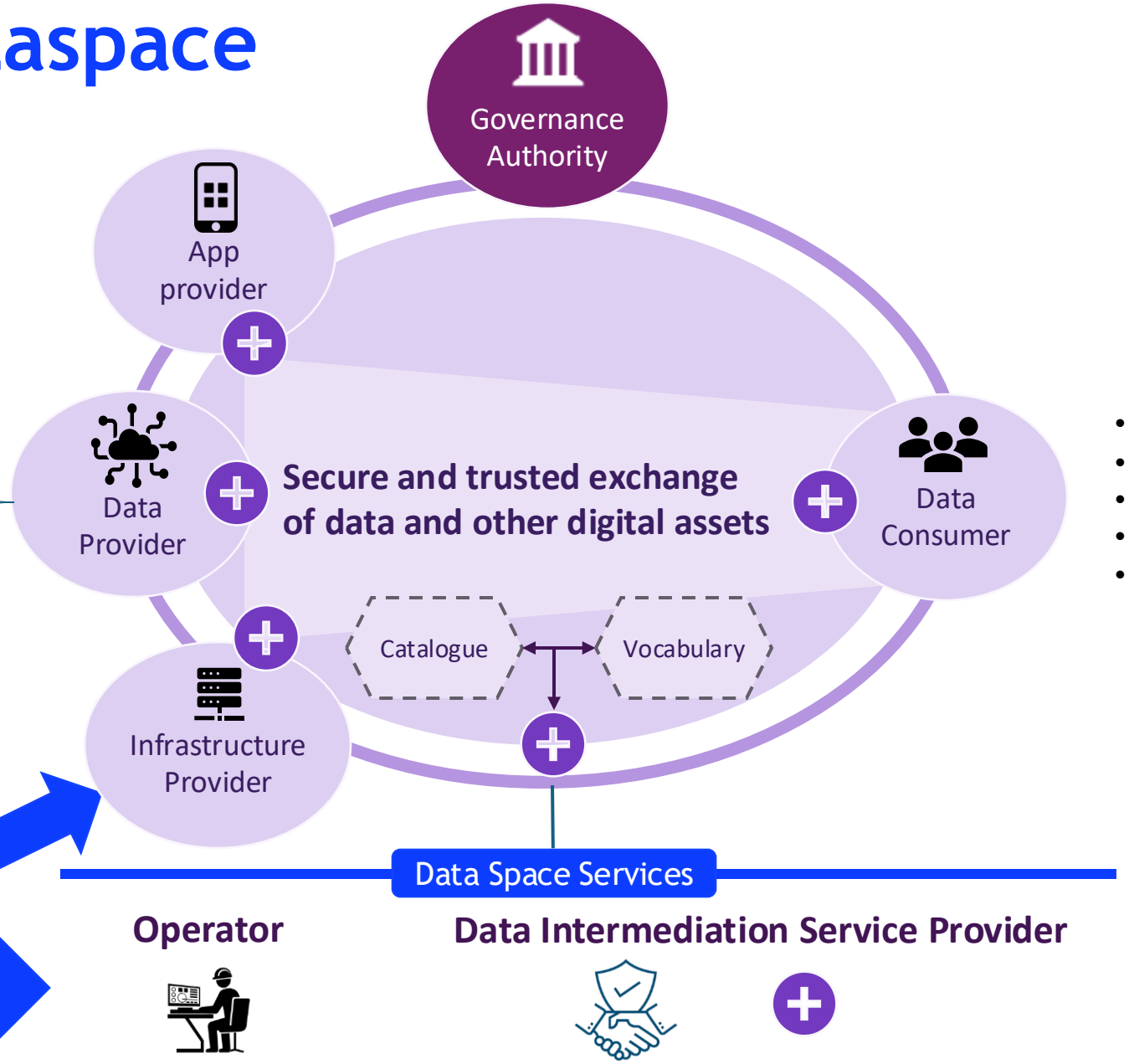
Dataspace technology

Data center provider



Energy Dataspace

- Energy Producer
- System Operators (TSOs and DSOs)
- Resource Aggregators
- Flexibility Service Providers
- Energy Service Companies
- Metered Data Administrator
- Prosumers and Active Customers
- Original Equipment Manufacturers
- e-Mobility Actors
- Renewable Energy Actors
- Energy Communities



- Energy Sector Stakeholders
- SMEs
- Start-ups
- Academia
- Research

New business opportunities

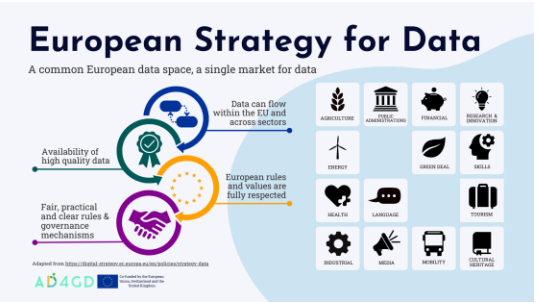
Shifting control toward data subjects and away from unilateral control by infrastructure owners

*Data Intermediation Service Providers (DISPs) act as neutral third parties that restructure the role of traditional infrastructure providers from "**gatekeepers**" to "**facilitators**".*

KEY CHARACTERISTICS OF A DISP

- Establishing Neutrality and Trust
- Creating an Alternative to Data Monopolies
- Facilitating Data Sharing and Pooling
- Empowering Data Subjects
- Enabling Common European Data Spaces
- Ensuring Non-Discriminatory Access

Data Sovereignty



DATA SPACES SUPPORT CENTRE

Data Intermediation Services

DGA Article 10	DGA Article 10	Mapping the landscape of data intermediaries	iGrant.io	DGA Article 5 and 12
Core Infrastructure for Data Exchange	Ancillary Data Facilitation Tools "On request only"	Data Quality and Aggregation Services "Without taking ownership"	Trust and Consent Management	Security and Interoperability Measures
▪ Bilateral or Multilateral Exchanges ▪ Platforms and Databases ▪ Interconnection Infrastructure	▪ Temporary Storage ▪ Curation ▪ Data Conversion ▪ Anonymisation and Pseudonymisation	▪ Data Aggregation ▪ Quality Enhancement ▪ Transaction Cost Reduction	▪ Consent Management ▪ Digital Wallets ▪ Automated Workflows	▪ Secure Processing Environments ▪ Security Controls ▪ Interoperability Standards ▪ Logging and Auditability

The data intermediation services are characterised by fragmentation and heterogeneity within the field.

Next steps

- Market distruption
- The role of DISP to support trusted data exchange in the energy sector
- Business models
- Critical mass of customers
- Competency development on the European tech stack
- Technology stack
- Organisational structure and neutrality

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THANK YOU!