Sectoral experience on data sharing Energy: ESTFEED data exchange platform

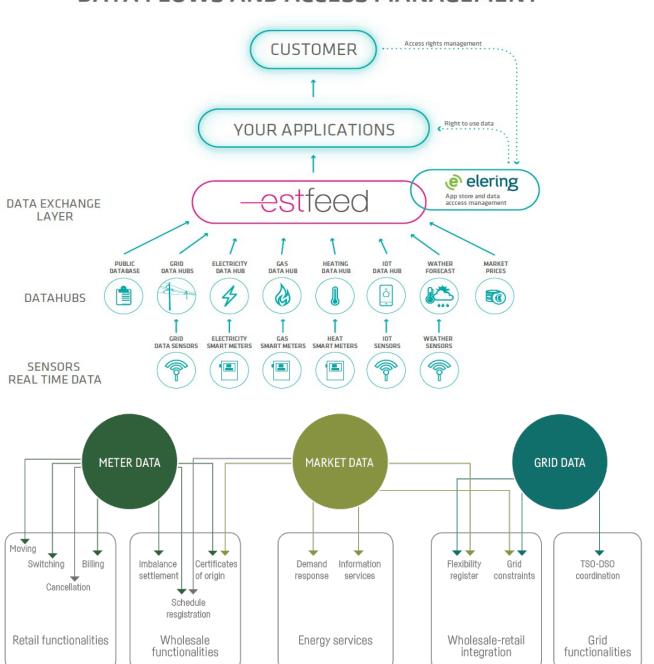
BITS seminar:

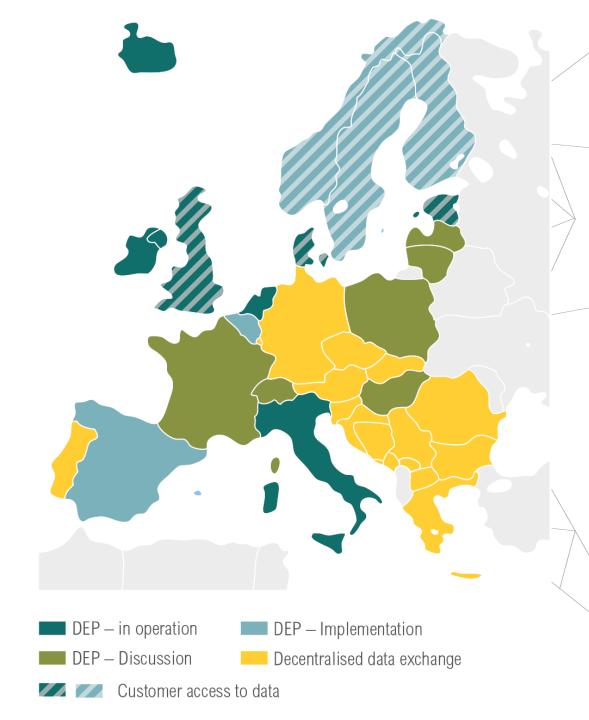
Data sharing and re-use Sectoral perspectives and common takeaways

Kalle Kukk



DATA FLOWS AND ACCESS MANAGEMENT





Customer Empowerment through digitalisation: the story so far in Estonia

100% smart meters (2013 – 2017)



Datahubs for electricity and gas (2013, 2016)



Image from Wikimedia

Estfeed data access platform (2017)



Flexibility,
efficiency,
optimisation
providers can
access smart
meter data via
Estfeed!

2013

2016

38% households on hourly varying spot prices – low prices for consumers

2017

Consumers in control of their energy data

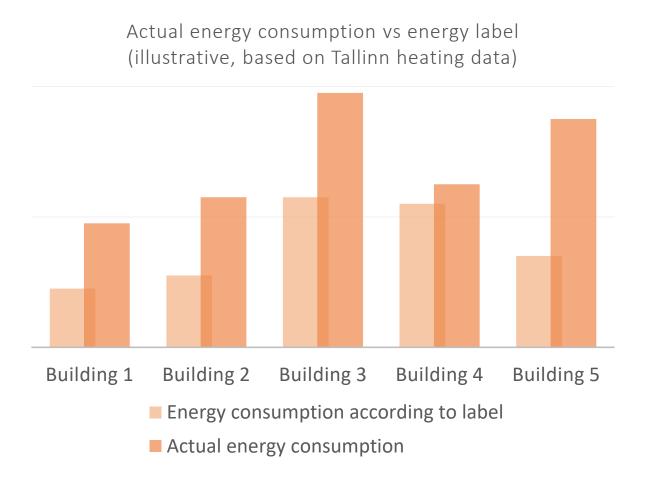


Example why data matters – energy labelling

In 95% of buildings the actual energy consumption is 2x what the energy label allows.

Consumers need accurate information to make informed choices.

Buildings consume 40% of final energy. Fixing labels will help energy and climate goals.



Legal and regulatory background for customer empowerment and data access

- Clean Energy Package: consumers own their data
 - Article 23 (Directive on common rules for the internal market in electricity):
 - » 1. Explicit consent by consumers to share data
 - » 2. Efficiently organised data access and exchange
 - Appendix II:
 - » Data accessible in near real time
- GDPR: data privacy must be ensured
 - Clarity about the purposes the data is being used for
 - Measures to ensure security, confidentiality, integrity, availability and resilience of processing systems

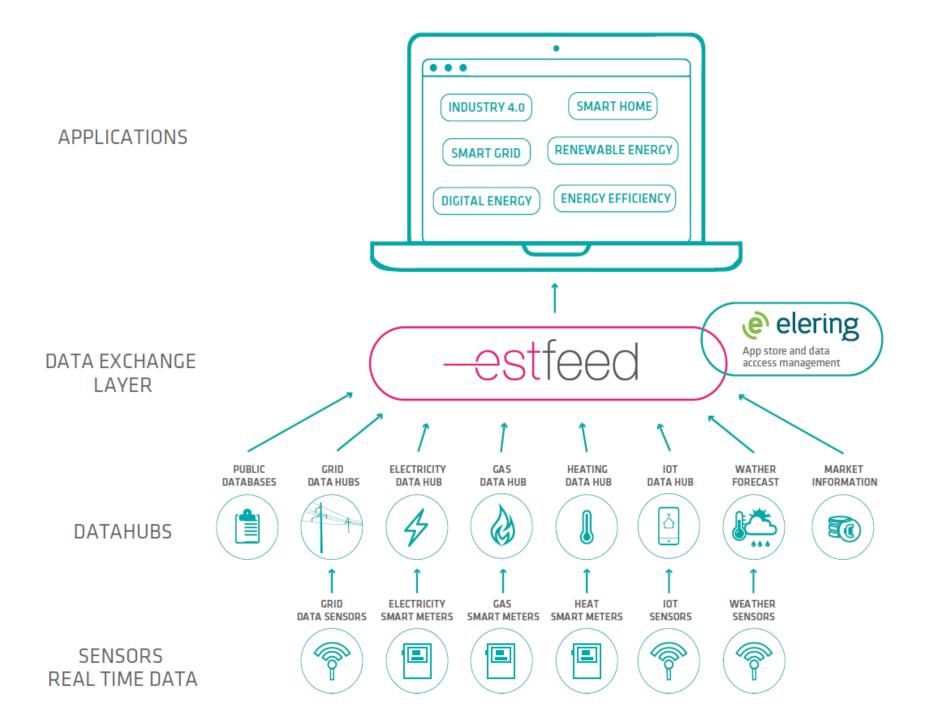


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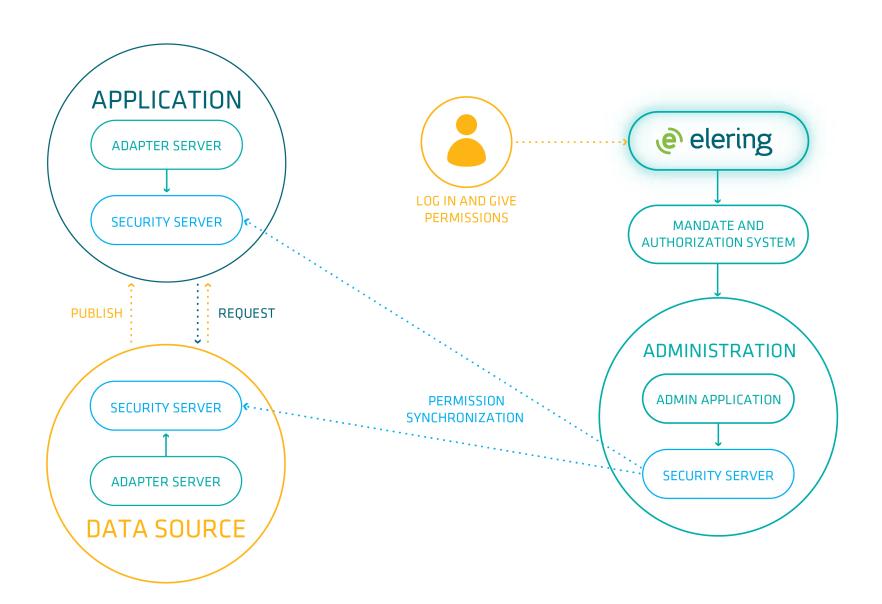
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Estfeed is the solution to all of these requirements





PEER TO PEER DATA TRANSMISSION ARCHITECTURE





EN ET





Log In

Energy Consumption Data

Data Usage History

Data Sharing

Representation Rights

Contract Information

What is e-elering?

E-elering is a customer portal that holds all Elering eservices, as well as applications from other energy service providers and grants access to data related to your energy consumption.



You must be logged in to see your energy consumption data.





Energy Consumption Data



Data Usage History



Data Sharing



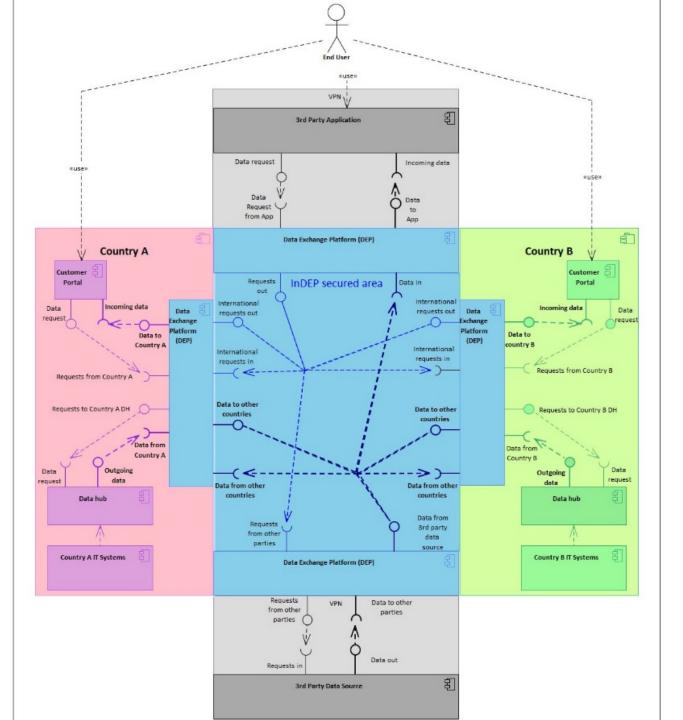


Representation Rights



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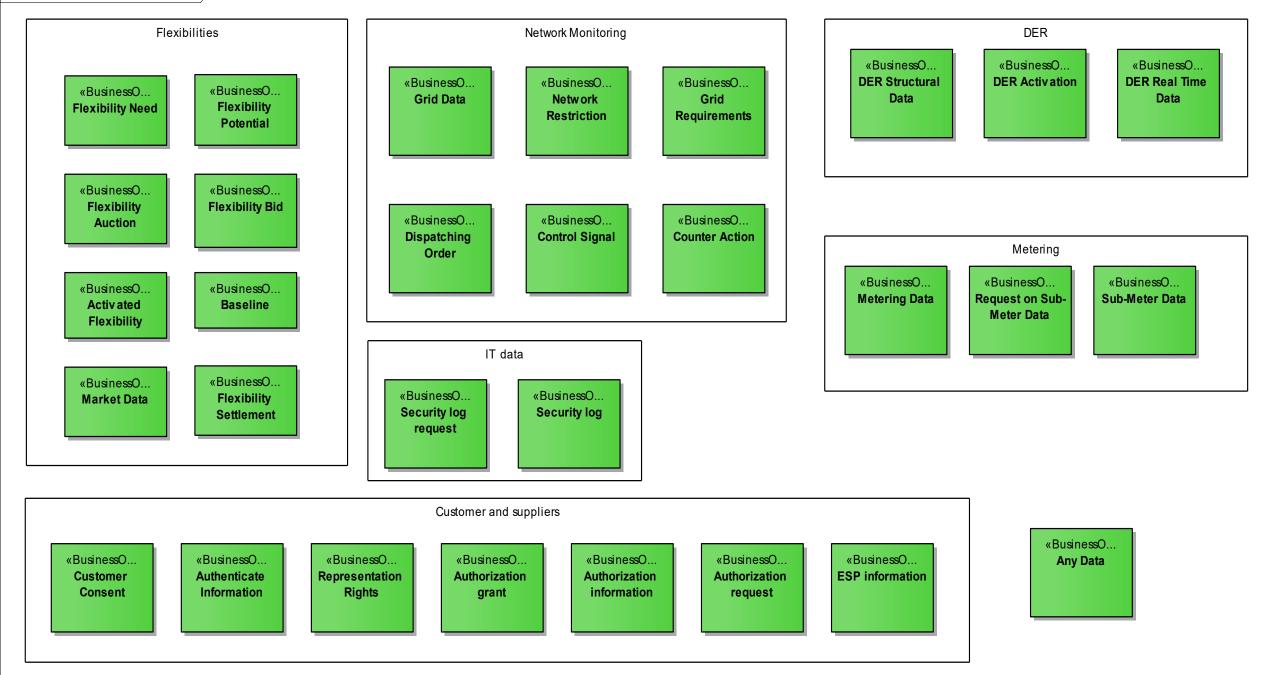


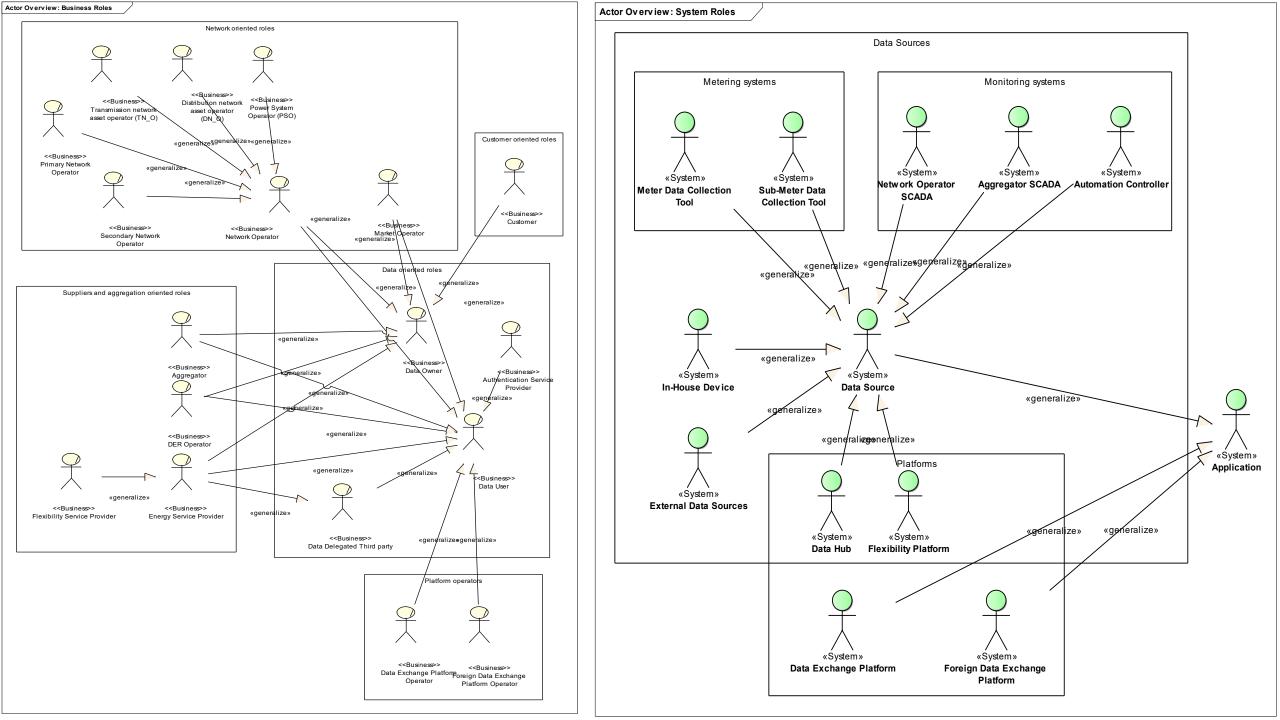
EU-SysFlex stands for pan-European system with an efficient coordinated use of flexibilities for the integration of a large share of renewable energy sources.

eu-sysflex.com



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Thank you!

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