

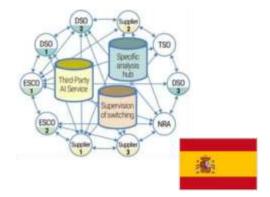
From data management to interoperable data spaces

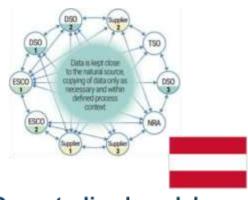
Charukeshi Joglekar | Fraunhofer FIT Nicolò Rossetto | EUI-FSR

Pursuing interoperable data management models for metering & consumption data









Centralized model

Hybrid model

Decentralized model

- No attempt to impose a specific DMM for consumer data at the EU level
- Art. 23 Electricity Directive defines a set of rights & duties which apply "independently of the DMM applied in each MS"
- Art. 24 Electricity Directive mandates the EC to adopt "interoperability requirements and nondiscriminatory and transparent procedures for data access by means of implementing acts"



A role model to facilitate interoperability...

L 154/10 EN Official Journal of the European Union

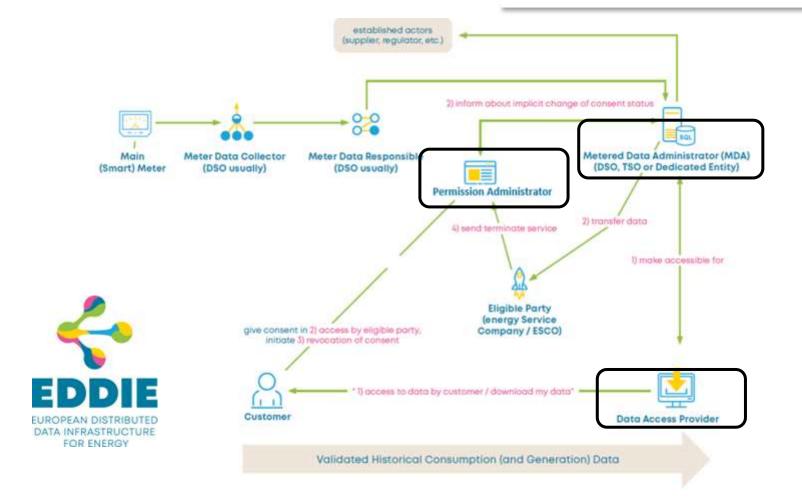
COMMISSION IMPLEMENTING REGULATION (EU) 2023/1162

15.6.2023

of 6 June 2023

on interoperability requirements and non-discriminatory and transparent procedures for access to metering and consumption data

(Text with EEA relevance)







POLICY BRIEF

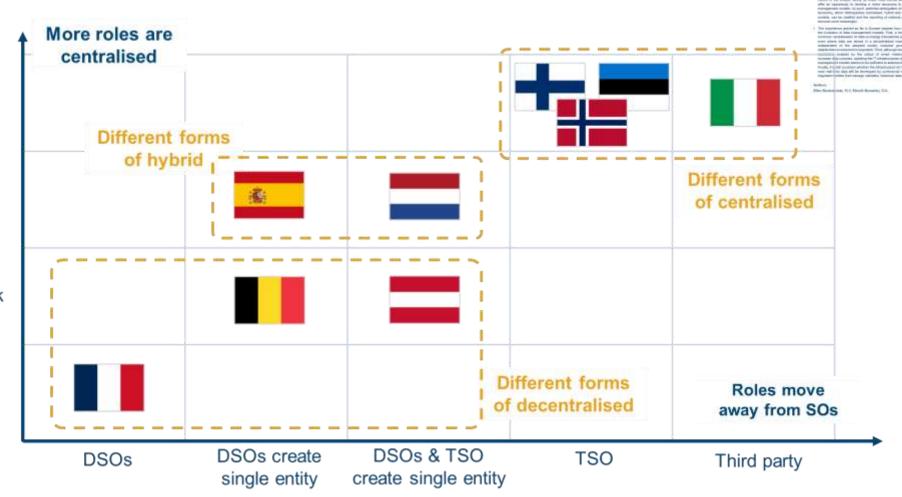
management models: a richer taxonomy and four reflections from the European experience

...and distinguish better national solutions

Metered data administrator (3rd degree)

Standardised data exchange framework (1st degree)

No centralisation





Four reflections on the evolution of DMMs for metering & consumption data

Reflection 1

Trend towards a minimum centralisation of data exchange frameworks

Greater centralisation of roles is assessed at a national level in terms of cost-efficiency, consumer centricity, data integrity and security, and agility

Reflection 2

Inclusive governance and stakeholder involvement are considered important

Both ad-hoc and systematic stakeholder involvement are being implemented, but the optimal level of formalisation and stakeholder control remains an open question

Reflection 3

DMMs must deal with growing data volumes (e.g., 15 min resolution)

Updating the IT infrastructures of existing data management models seems to be sufficient to address this challenge

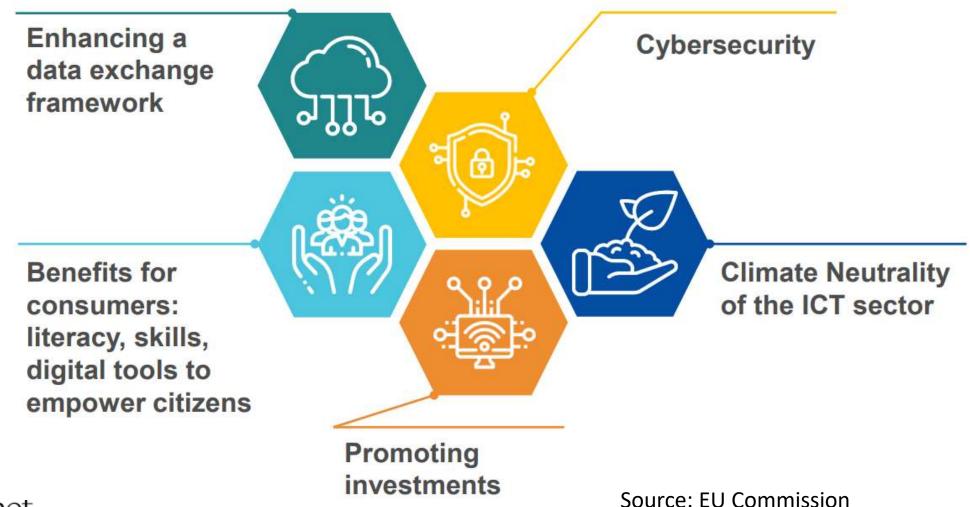
Reflection 4

Use of near real-time data is still limited but interest is growing

It is not yet clear who will
be responsible for the
management of near realtime data and the
development of the
relevant data access and
sharing infrastructure

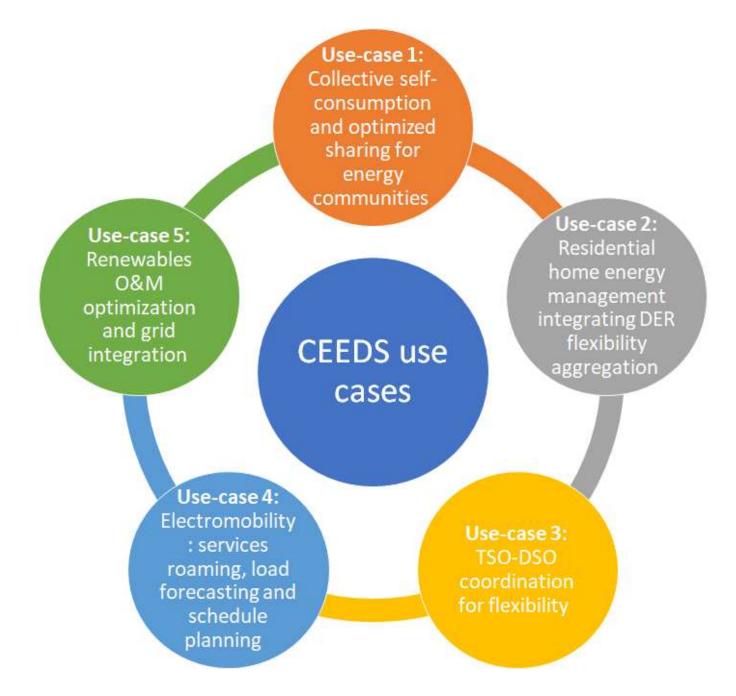


Digitalisation of Energy Action Plan



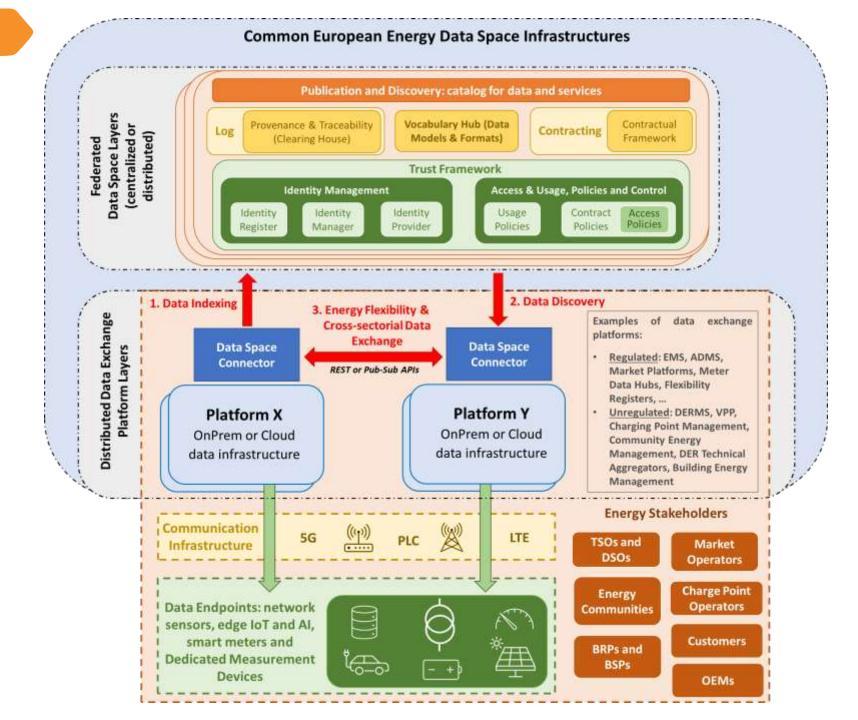


Business Use Cases for the CEEDS





CEEDS Reference Architecture





European Interoperability Framework







Thank you for your attention.

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int:net final event
18 September 29025
Brussels

Energy Data Spaces ProjectsCluster

