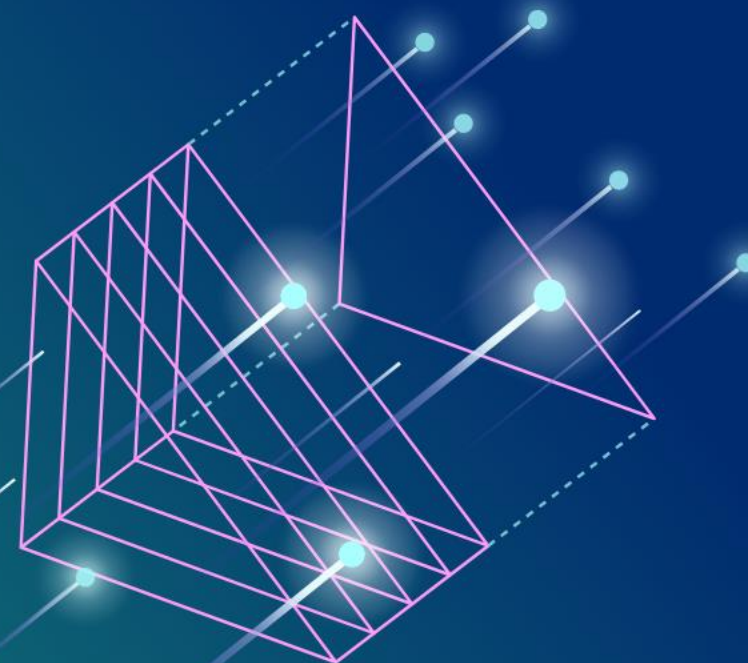


Towards the Common European Energy Data Space

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Fraunhofer FIT
25.10.2023



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Motivation: challenges in data exchange for the energy transition

Grid management

Need to match energy consumption (increasing) and generation (decentralized) in the grid:

→ Digitilization for remote control of system components

→ Need for reliable and quick exchange of large amounts of data

Sector coupling

Coupling functionalities from traditionally separated sectors:

- Transportation
- Smart cities (lighting, signalling, etc.)
- Home (heat pumps, EV)

→ Need for exchange of heterogenous data

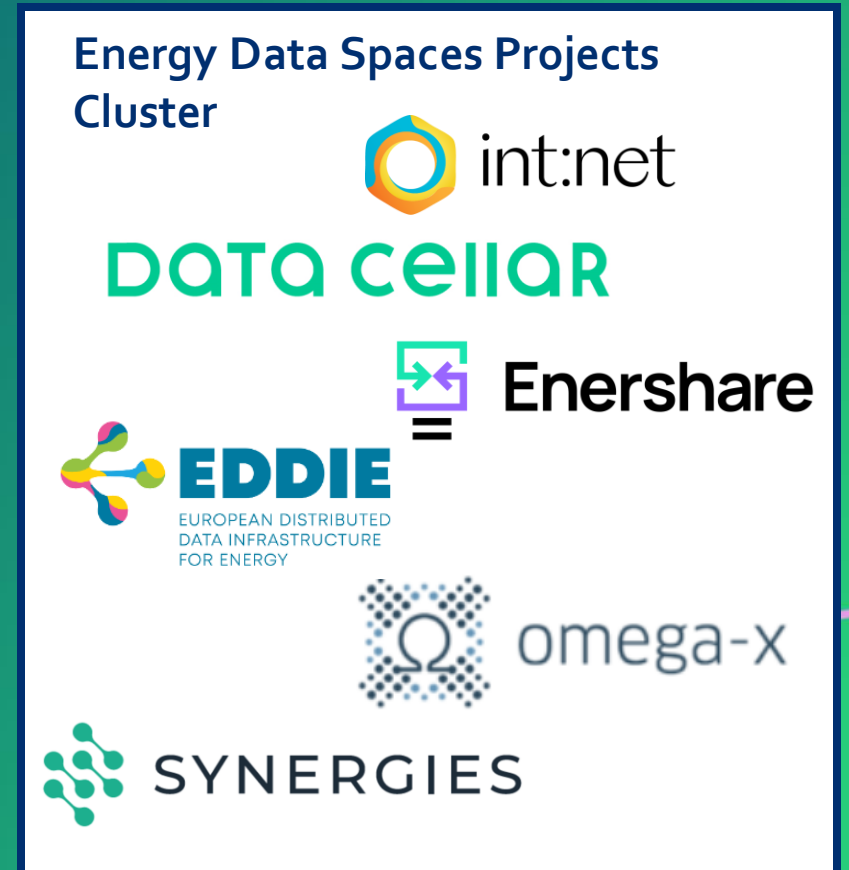
Security



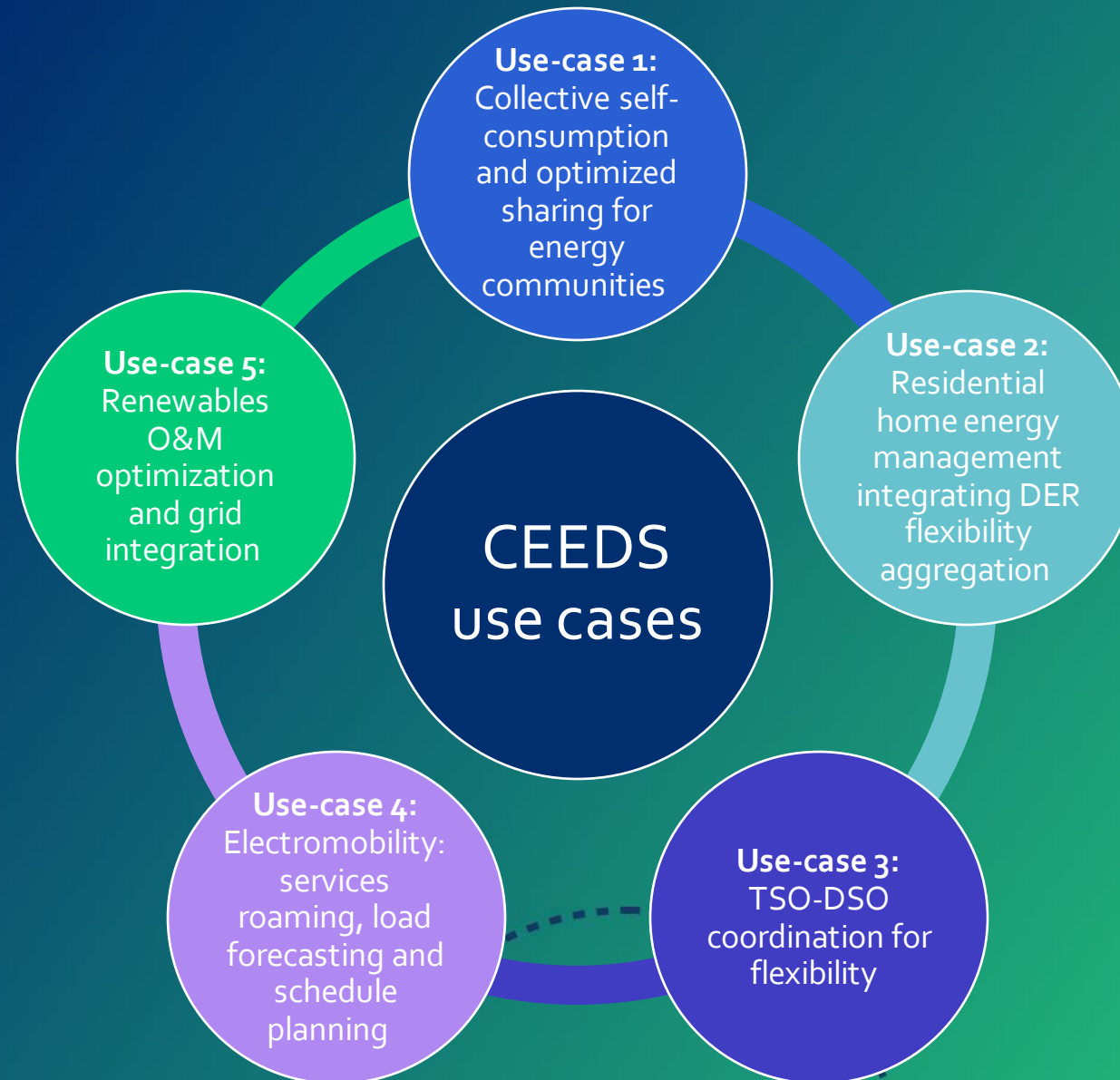
→ Data spaces aim to ensure fair, regulated, and efficient data exchange

The energy data spaces cluster projects

- General objective: prepare the ground for the Common European Energy Data Space (CEEDS).
- Specific objectives :
 1. Priority use cases
 2. Target data sets and the respective providers of data.
 3. Common building blocks
 4. Interoperability requirements
 5. Key data hubs/platforms that should be federated.
 6. Governance arrangements, involving key stakeholders and investment needs.



Identified reference use-cases for CEEDS



Latest cluster outcomes

ETIP SNET Working Group 4
“Digitalisation of the electricity system
and customer participation”



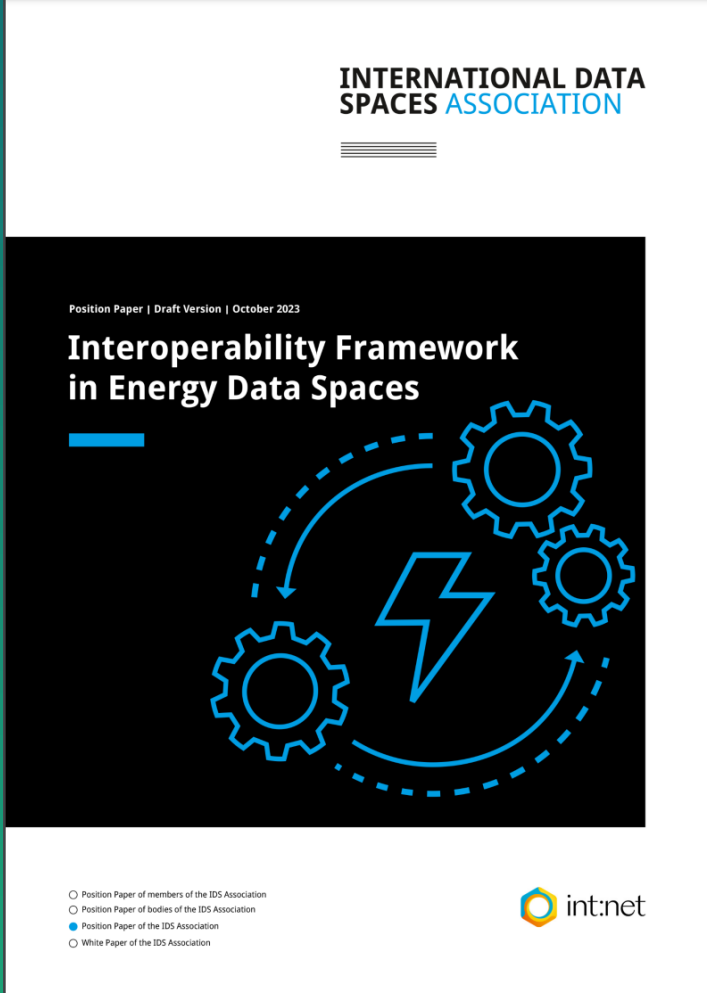
ETIP SNET
PLAN. INNOVATE. ENGAGE.



ETIP SNET
European Technology and Innovation Platform
Smart Networks for Energy Transition

WG4
**Policy paper on
Energy Data Spaces**

Energy Interoperability Task Force
– Iteration #1




INTERNATIONAL DATA SPACES ASSOCIATION

Position Paper | Draft Version | October 2023

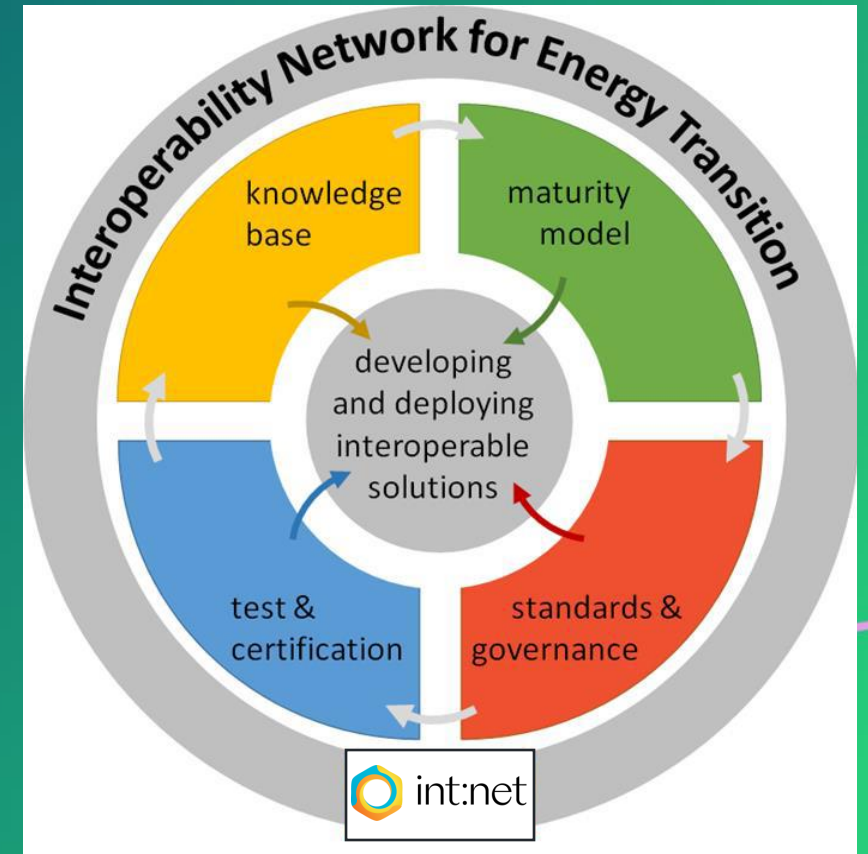
**Interoperability Framework
in Energy Data Spaces**

- Position Paper of members of the IDS Association
- Position Paper of bodies of the IDS Association
- Position Paper of the IDS Association
- White Paper of the IDS Association

 int:net

int:net - interoperability network for the energy transition

- Common knowledge base for interoperability activities on energy services in Europe
- Interoperability Maturity Model (IMM)
- Framework for interoperability tests in a network of testing facilities
- Community network of standards and regulatory environment for a European interoperability ecosystem



Thank you!

**! New int:net community on interoperability
and data spaces:**



<https://community.intnet.eu/>

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