



int:net

Interoperability Network for
the Energy Transition

int:net for cooperation in the energy transition

Alberto Dognini

Fraunhofer FIT – Center for Digital Energy
Aachen, Germany

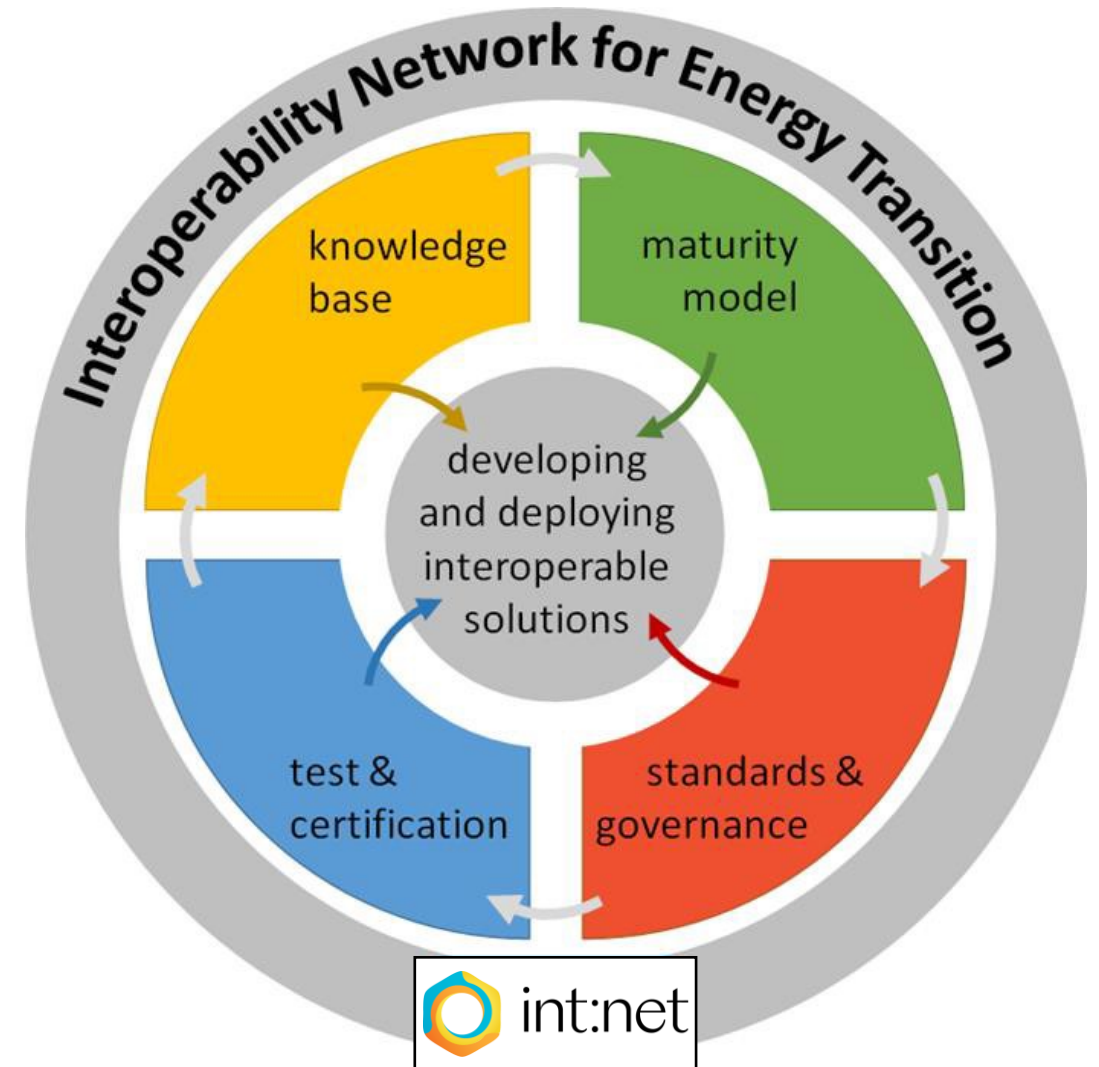


This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101070086

Project objectives

- Consolidating a common knowledge base for interoperability activities on energy services in Europe
- Developing a comprehensive and accepted Interoperability Maturity Model (IMM)
- Deploying a framework for interoperability testing in a network of interoperability testing facilities
- Fostering a community network of standards and regulatory environment for a European interoperability ecosystem

Coordination and Support Action (CSA),
from May 2022 to April 2025 (36 months)



Project Contributions

Electrification

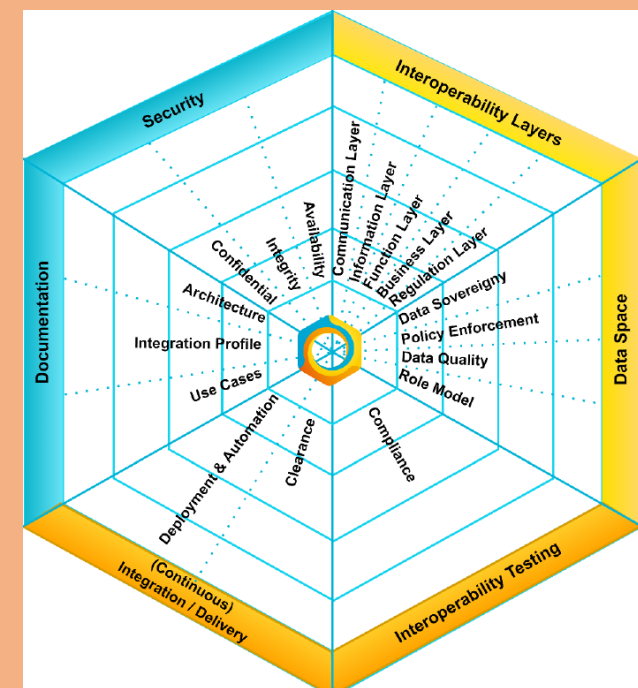
- Policy and regulatory landscape relevant for interoperability of: Electricity grids – Building – Mobility
- Role, challenges and building blocks for the implementation of Data Spaces → enhancing prosumers roles and control of IoT devices

Digitalization

Interoperability Maturity Model (IMM)

Assess, with UI results, interoperability in the digital energy sector on:

- Syntactic
- Semantic
- Business
- Governance level

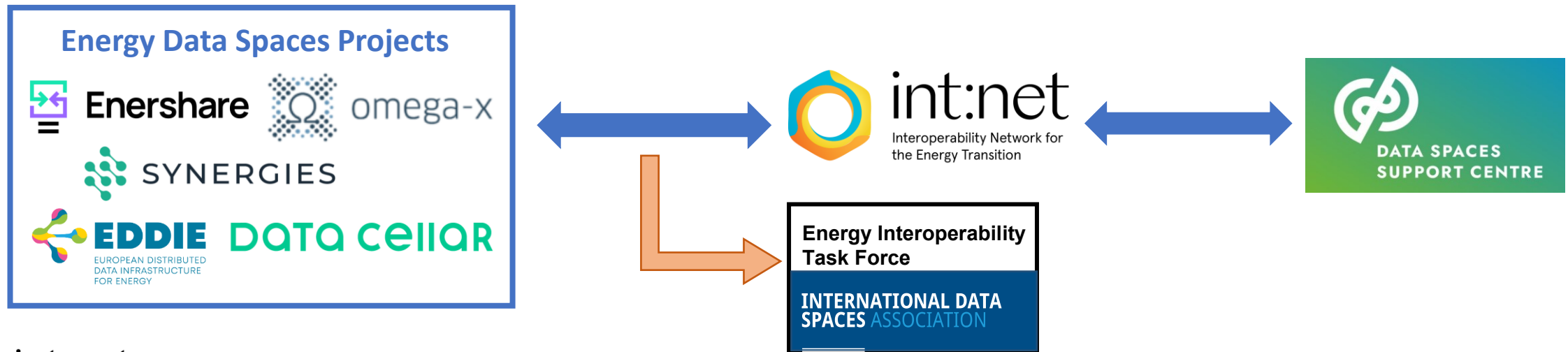


Integration and Cooperation

- Standardized way of storing and making knowledge on energy interoperability publicly available: interoperability initiatives, interoperability business models, use cases repositories
- Self-sustained and formally institutionalized distributed “network” of interoperability testing labs (living labs and digital innovation hubs)

Community network for a European interoperability ecosystem

- Horizontal coordination, support, up-take of energy services related to **interoperability, data spaces and digital twins**:
 - Legal and regulatory framework setters in cross-domain modelling and interoperability testing exercises (e.g., connectathons)
 - Cross-fertilisation process for regional testing infrastructures
 - Initiatives external to the project (Gaia-X, ISGAN, ETIP SNET, BRIDGE, EIRIE, etc.)
- int:net community as formal institution (association) to be self-maintained in the long term





int:net

Interoperability Network for
the Energy Transition

int:net project



<https://intnet-project.eu/>



<https://www.linkedin.com/company/int-net-project/>



info@intnet-project.eu



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101070086