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# FOUR PROJECTS, ONE VISION: THE DIGITAL TRANSFORMATION OF THE EU ENERGY SYSTEM



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26th June 2025 III

# Agenda



## Four Projects, One Vision: The Digital Transformation of the EU Energy System

26th June 2025

**10:00 - 10:05**

**Welcome and Opening Remarks** Maria Provecho (ETRA)

**10:05 - 10:10**

**United for Impact: Advancing the EU Energy Transition Through Digital Collaboration** Ms. Patricia Arsene - Policy Officer, European Commission, DG CONNECT

**10:10- 11:15**

**Projects presentation** Lola Alacreu (ETRA)

- **ODEON project** Moisés Antón (ETRA)
- **BEGONIA project** Nicolò Fattirolli (olivoENERGY)
- **ECLIPSE DIGITAL project** Lola Alacreu (ETRA)
- **INSIEME project** Johannes Vollmer (EREF)

**11:15- 11:35**

**Questions from the Audience & Panel Discussion:**

Exploring common challenges and solutions in the digital transformation of the energy sector

**11:35- 11:40**

**Conclusions and Actions**

Ms. Patricia Arsene - Policy Officer, European Commission, DG CONNECT  
Lola Alacreu (ETRA)

Powered by:





Ms. Patricia Arsene - Policy Officer, European Commission, DG CONNECT

**United for impact:  
Advancing the EU energy  
transition through digital  
collaboration**



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# FOUR PROJECTS, ONE VISION: THE DIGITAL TRANSFORMATION OF THE EU ENERGY SYSTEM



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26th June 2025 III

# FOUR PROJECTS, ONE VISION: THE DIGITAL TRANSFORMATION OF THE EU ENERGY SYSTEM



**Moisés Antón**

Project Manager at ETRA

ODEON Project  
coordinator



**Niccolò Fattirolli**

Chief Operations Officer at  
olivoENERGY

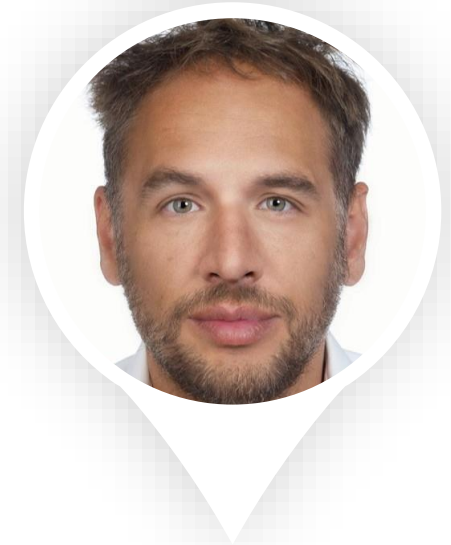
WP coordinator - Stakeholder  
engagement, communication  
and regulatory analysis



**Lola Alacreu**

Senior Project Manager at  
ETRA

ECLIPSE Project  
coordinator



**Johannes Vollmer**

Senior Policy and Project  
Manager at EREF

Communication and  
Dissemination Lead

# FOUR PROJECTS, ONE VISION: THE DIGITAL TRANSFORMATION OF THE EU ENERGY SYSTEM



**From 01/01/2024**

A Reference Federated Energy Data Space for all actors to facilitate the energy transition.



**From 01/01/2024**

A project driving digital transformation in energy and transport through the development of cross-border Operational Digital Platforms (ODPs).



**From 01/09/2024**

A Common European Reference Framework (CERF) for energy consumer applications across the EU.



**From 01/04/2025**

A Common European Energy Data Space as digital backbone of Europe's transition to net-zero



FEDERATED DATA AND INTELLIGENCE ORCHESTRATION &  
SHARING FOR THE DIGITAL ENERGY TRANSITION

# ODEON Presentation

**SPEAKER:** Moisés Antón García

**DATE:** 26-06-2025



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## HORIZON-CL5-2023-D3-01-15

Supporting the green and digital transformation of the energy ecosystem and enhancing its resilience through the development and piloting of AI-IoT Edge-cloud and platform solutions

### 35 partners

From 13 different member states

# ODEON at a glance

### 5 pilot sites

Distributed in 5 different EU member states

### 48 months

Starting in January 2024  
Ending in December 2027

Total budget: 22.56 M€  
Total funding: 17.87 M€



# ODEON partners





# ODEON goals

## Business innovation and Market Uptake goals

ODEON aims to revolutionize the **Green and Digital Energy transition** through the creation of an inclusive ecosystem of stakeholders characterized by the **integration of a mesh of Data, Intelligence, Service, and Market flows in the energy system**. ODEON enables the resilient operation of the energy system considering the increased **RES integration**, and the effective orchestration of **the flexibility from assets residing at the edges of the system (edge-computing)**.

01

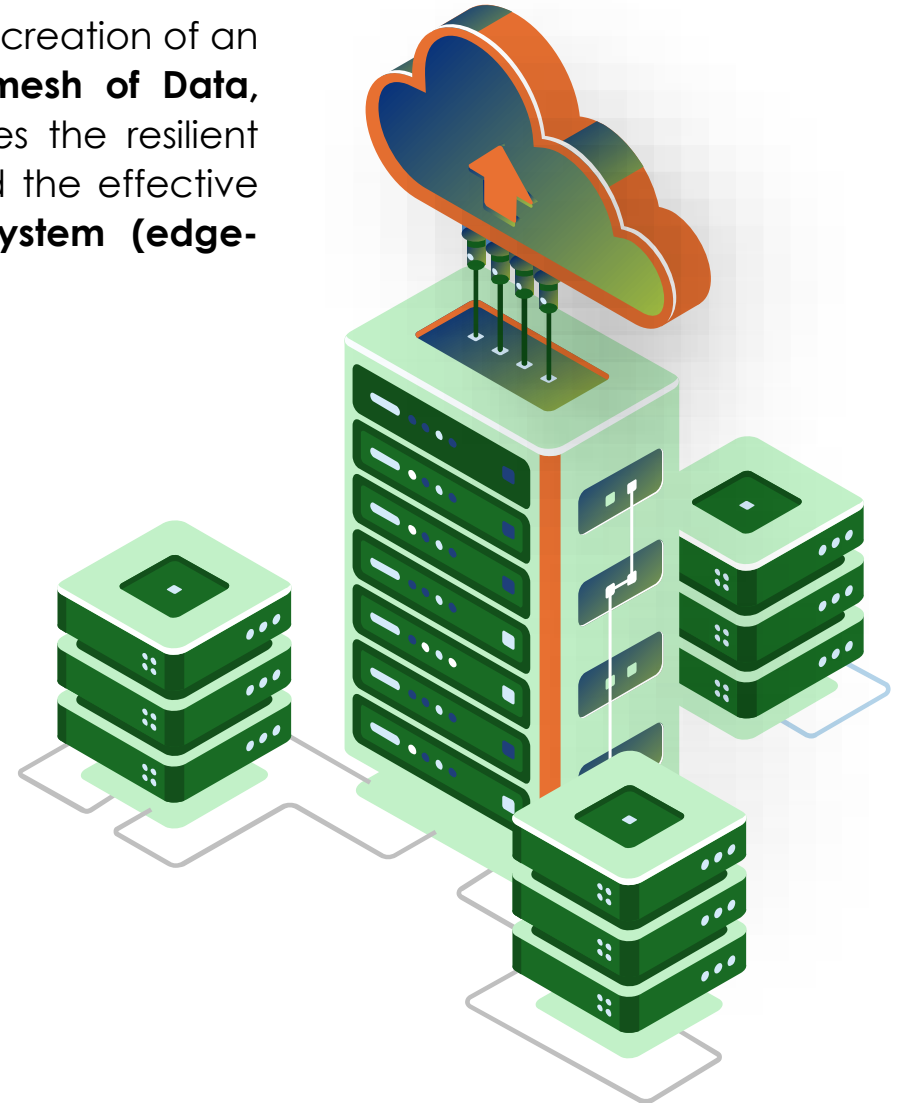
To demonstrate and validate the concept in 5 large-scale demonstrators across real-life and critical conditions

02

To prepare the grounds for the successful replication and market uptake

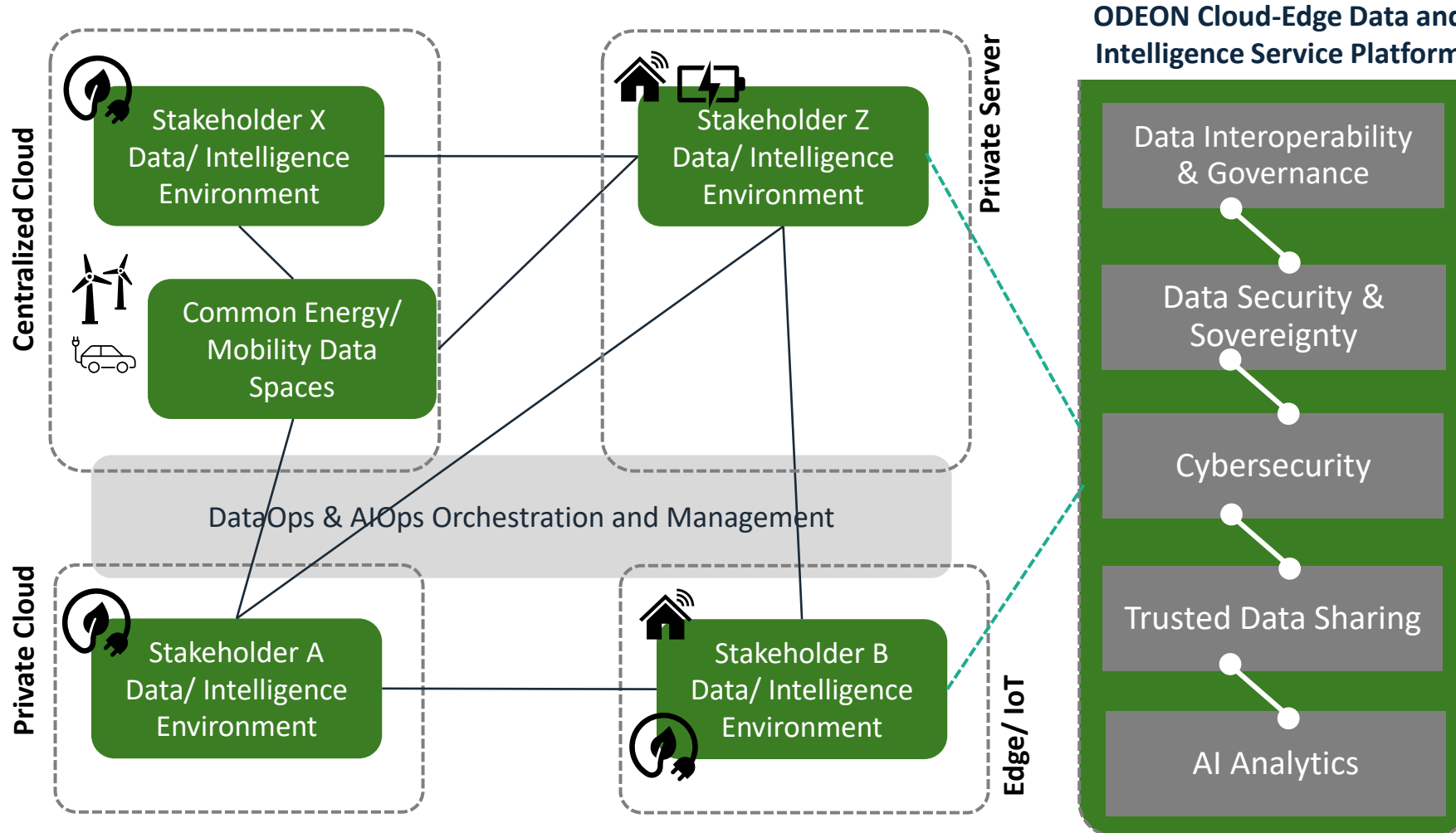
03

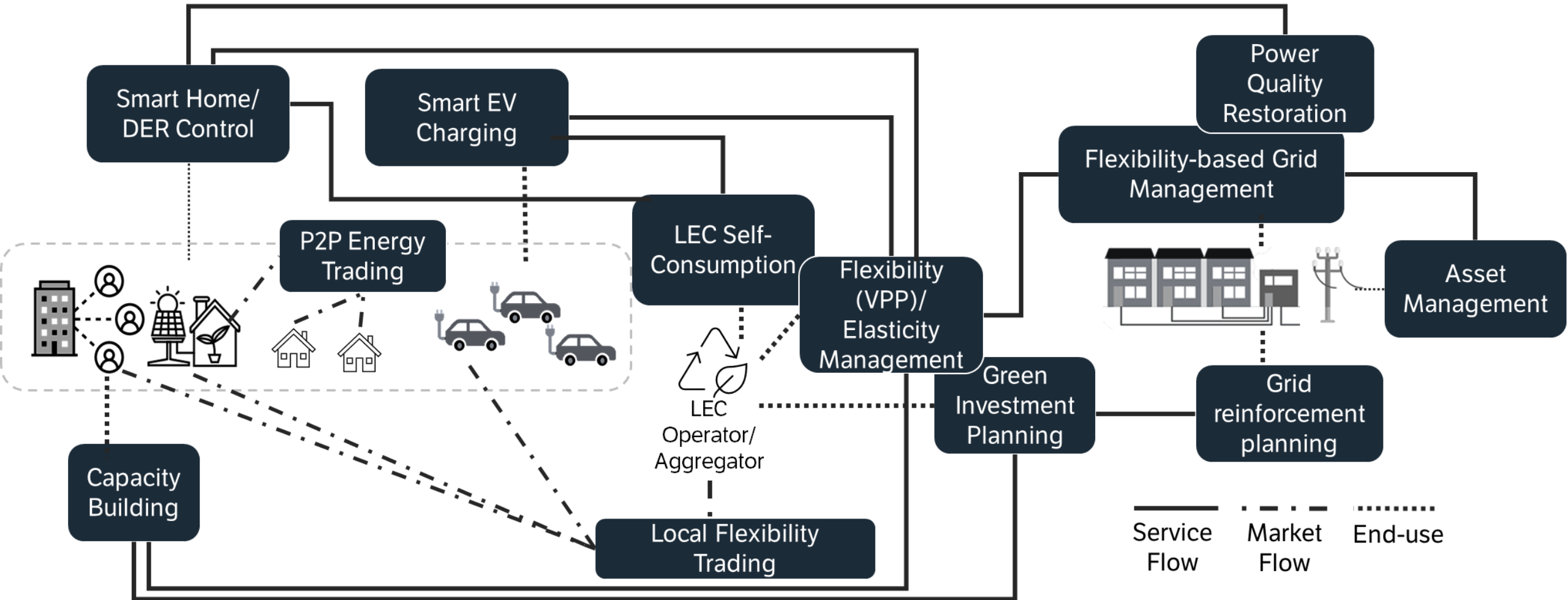
To promote ODEON as a reference Cloud-Edge Data and Intelligence enabler for the Green and Digital Transition through intense dissemination and knowledge transfer





# Cloud-Edge Data and Intelligence Service Platform





# ODEON innovations

## ODEON Cloud-Edge Data and Intelligence Service Platform



Reference Energy Data Spaces implementation around energy data

## ODEON Energy Services for LECs/Aggregator



Reduction of energy costs and increase their autonomy by management in RES and flexible assets

## ODEON Catalogue of AI Artefacts



Machine-Learning mechanisms for orchestration of devices

## ODEON Energy Services for Prosumers



Informed and transparent participation in flexibility and energy transactions

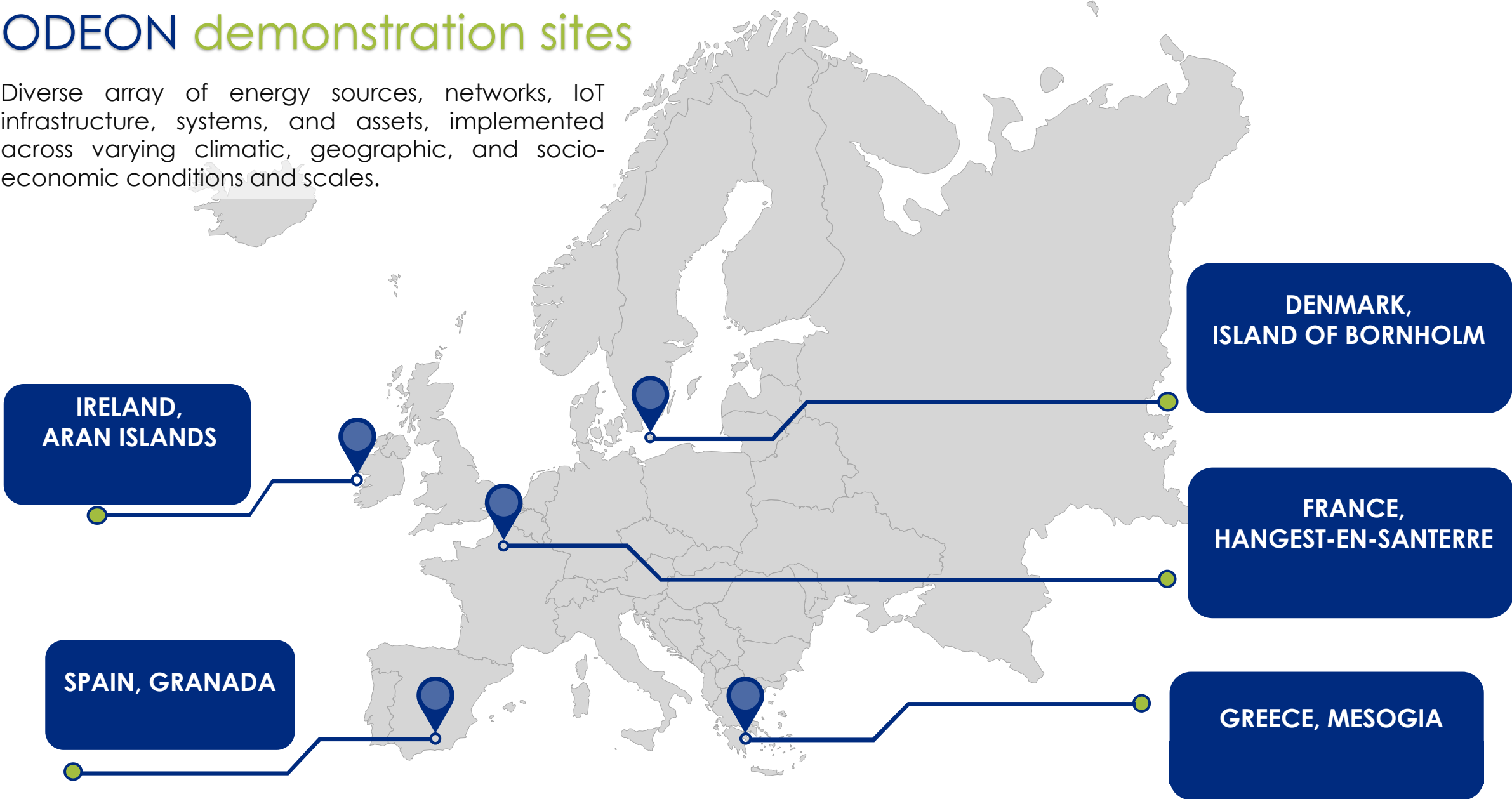
## ODEON Energy services for DSO



- Flexibility-based Network Management
- Dynamic Power Flow Management and Quality restoration
- Network Planning and Reinforcement Assessment
- Asset management and Predictive maintenance

# ODEON demonstration sites

Diverse array of energy sources, networks, IoT infrastructure, systems, and assets, implemented across varying climatic, geographic, and socio-economic conditions and scales.





FEDERATED DATA AND INTELLIGENCE ORCHESTRATION  
& SHARING FOR THE DIGITAL ENERGY TRANSITION

# Thank you!

Contact Us



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 @odeonEU



Company @odeoneu



@ODEONproject



# BEGONIA Project Presentation





# BEGONIA - Digital Solutions for Energy and Transport

Driving Europe's **digital transformation** by making our energy and transport sectors smarter, greener and better connected



This project has received funding from the European Commission under grant agreement N°101133306.



# INTRODUCTION - ABOUT BEGONIA



# What is BEGONIA?



**Europe** is embarking on a transformative endeavour to modernise digital information usage.



At the core of this initiative lies the development of advanced **Operational Digital Platforms** that transcend national boundaries.



**BEGONIA** is an EU-funded Coordination and Support Action that aims to expedite this digital transformation in the **energy and transport sectors**, analysing and developing the most promising solutions.

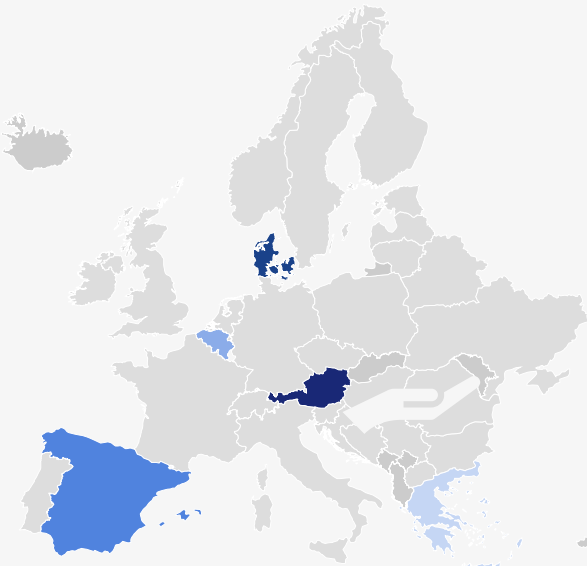




# Facts and figures

## BEGONIA Consortium

-  DTU University
-  CEMOSA
-  olivoENRGY
-  Wings ICT Solutions
-  BluePrint Energy Solutions
-  Center Denmark
-  Open & Agile Smart Cities (OASC)



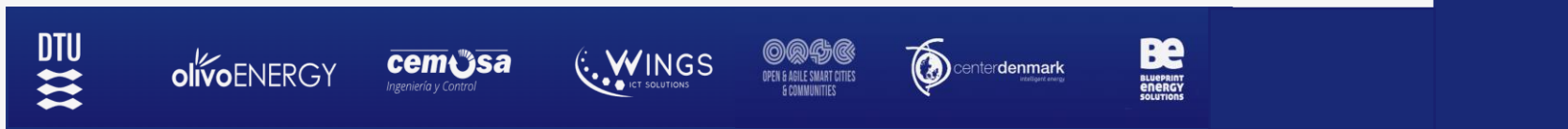
2,5 years  
research project  
Started in Jan 2024



Received 4M €  
in funding from  
the EU



Consortium of 7  
top leading  
organisations  
from 5 countries





# Goals & impacts



Identify and shortlist  
**Operational Digital  
Platform use cases** in  
the energy and  
transport sectors



Conduct **feasibility studies**  
for the shortlisted cases  
to demonstrate the  
benefits



Prepare the Operational  
Digital Platforms for  
**deployment**



Offer **feedback to the  
Commission** for the  
preparation of a **new call  
for works** to implement  
the awarded project(s)





THE PROJECT -

STAGES OF INVESTIGATION  
AND PROGRESS



# BASICS - What is an Operational Digital Platform? Key aspects




**MONETISATION**  
SW for business



**CROSS-SECTOR DATA**  
Make Cross-sectorial -  
Different data sources  
for a new purpose




**EASY TO SCALE-UP**  
Interoperability  
and scalability



**SENSOR NETWORK**  
Update in real-time  
of main KPIs (monitoring)



**LOWER SW INVESTMENTS**  
One-stop-shop  
(all in one)



**AUTOMATION**  
Automatic workflows  
optimization  
(time and resources)





# Stages of Investigation

- We identify, analyse and develop **Use Cases of ODPs** in the energy and transport sectors
- This is an **evolutionary process** divided into **three main stages**:



## 1° STAGE

### EXPLORATORY STUDY

- Collect Use Cases
- Evaluate the most promising ones



## 2° STAGE

### FEASIBILITY ANALYSIS

- Shortlist 6 Use Cases
- Analyze & Develop in detail



## 3° STAGE

### DEPLOYMENT PREPARATION

- Prepare for deployment 3 best ones
- Future funds 20 M€





# PROJECT PROGRESS – Phase 1



## 1° STAGE

### EXPLORATORY STUDY

- Collect Use Cases
- Evaluate the most promising ones



## 2° STAGE

### FEASIBILITY ANALYSIS

- Shortlist 6 Use Cases
- Analyze & Develop  
In detail



## 3° STAGE

### DEPLOYMENT PREPARATION

- Prepare for deployment 3 best ones
- Future funds 20 | 40 M€





# PROJECT PROGRESS – Phase 1: What we already did

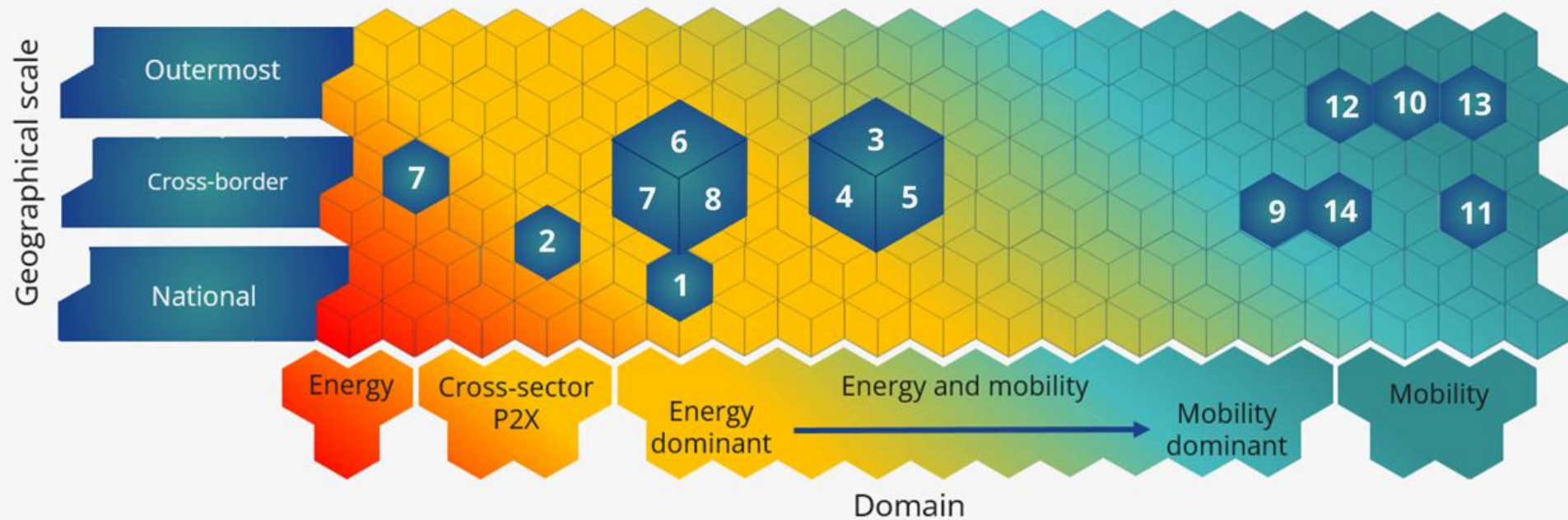
We identified and studied 14 Use Cases of ODPs in the energy and transport sectors





# PROJECT PROGRESS – Phase 1: UCs characterisation

- The Use Cases identified are characterised by different geographical scales and domains
- To facilitate the shortlisting and selection process, compatible Use Cases have been merged taking the benefits and main features of each (UCs 3, 4, 5 and UCs 6, 7, 8)





# PROJECT PROGRESS – Phase 2



## 1° STAGE

### EXPLORATORY STUDY

- Collect Use Cases
- Evaluate the most promising ones



## 2° STAGE

### FEASIBILITY ANALYSIS

- Shortlist 6 Use Cases
- Analyze & Develop In detail



## 3° STAGE

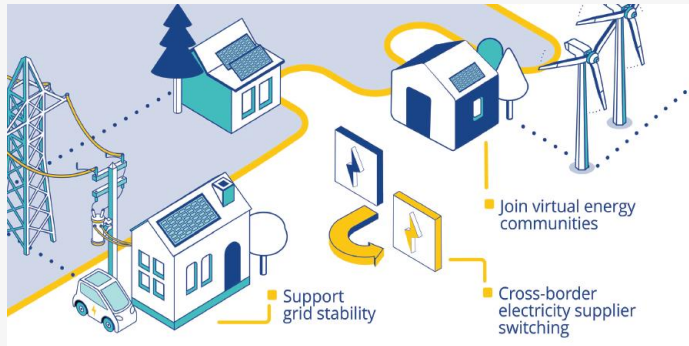
### DEPLOYMENT PREPARATION

- Prepare for deployment 3 best ones
- Future funds 20 | 40 M€

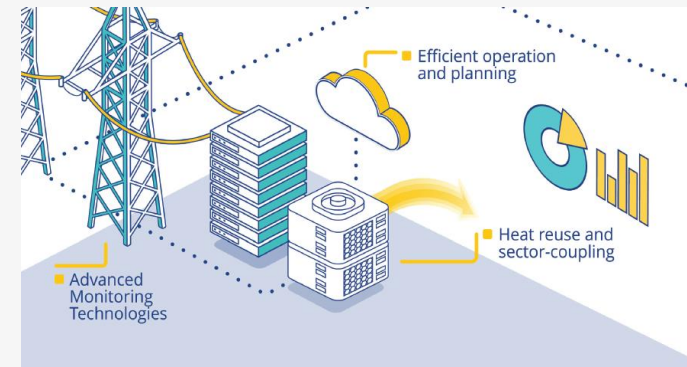




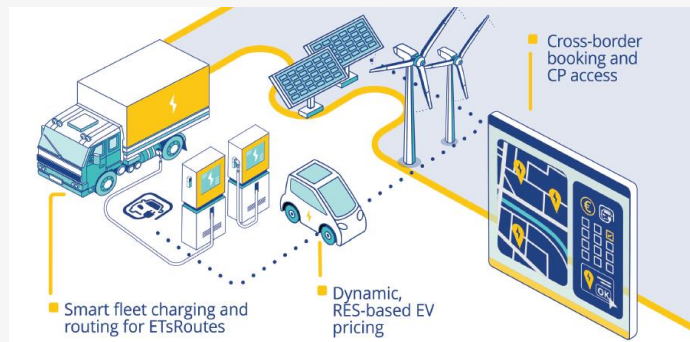
# PROJECT PROGRESS - The 6 Use Cases shortlisted



UC I  
ELECTRICITY  
CUSTOMER  
CENTRIC ODP



UC III  
DIGITALIZATION  
OF  
DATA CENTERS

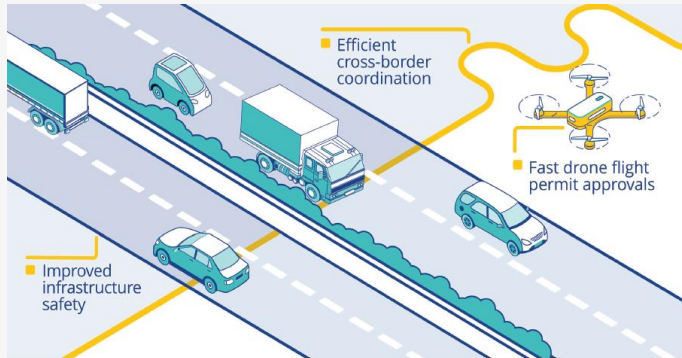


UC II  
AI-DRIVEN ODP  
FOR INTEGRATION  
OF EVS, ETS, RES  
AND GRID

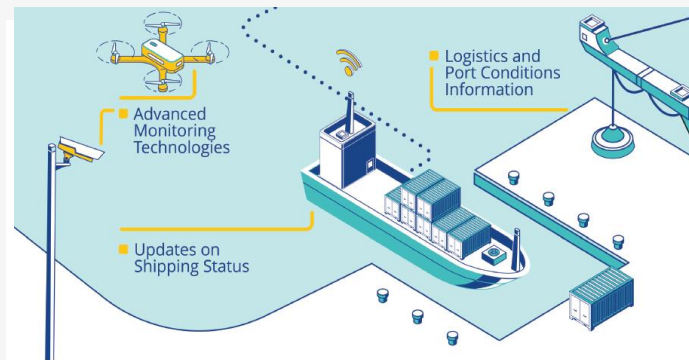




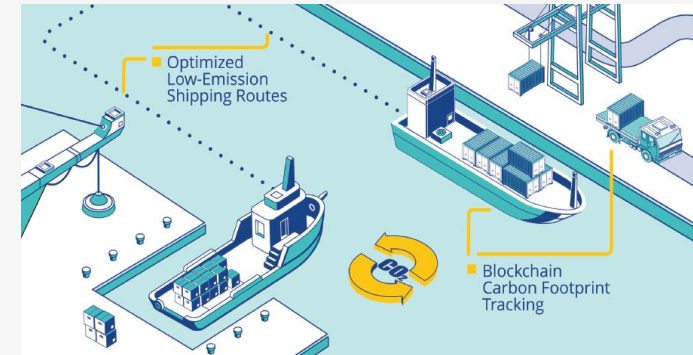
# PROJECT PROGRESS - The 6 Use Cases shortlisted



UC IV  
DIGITAL PERMITS  
FOR  
DRONE-BASED  
INSPECTIONS IN  
LINEAR  
INFRASTRUCTURES



UC V  
SMART PORTS  
OPERATIONS



UC VI  
CARBON  
FOOTPRINT OF  
PORTS SUPPLY  
CHAIN





# PROJECT PROGRESS – Phase 3



## 1° STAGE

### EXPLORATORY STUDY

- Collect Use Cases
- Evaluate the most promising ones



## 2° STAGE

### FEASIBILITY ANALYSIS

- Shortlist 6 Use Cases
- Analyze & Develop In detail



## 3° STAGE

### DEPLOYMENT PREPARATION

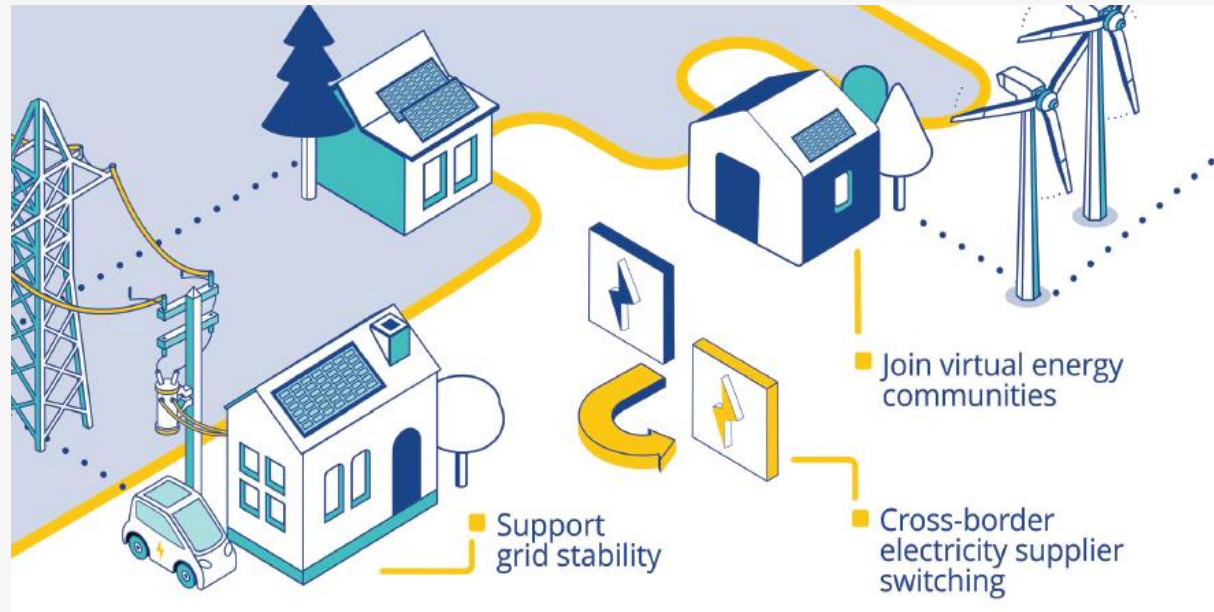
- Prepare for deployment 3 best ones
- Future funds 20 | 40 M€







# UC | ELECTRICITY CUSTOMER CENTRIC ODP



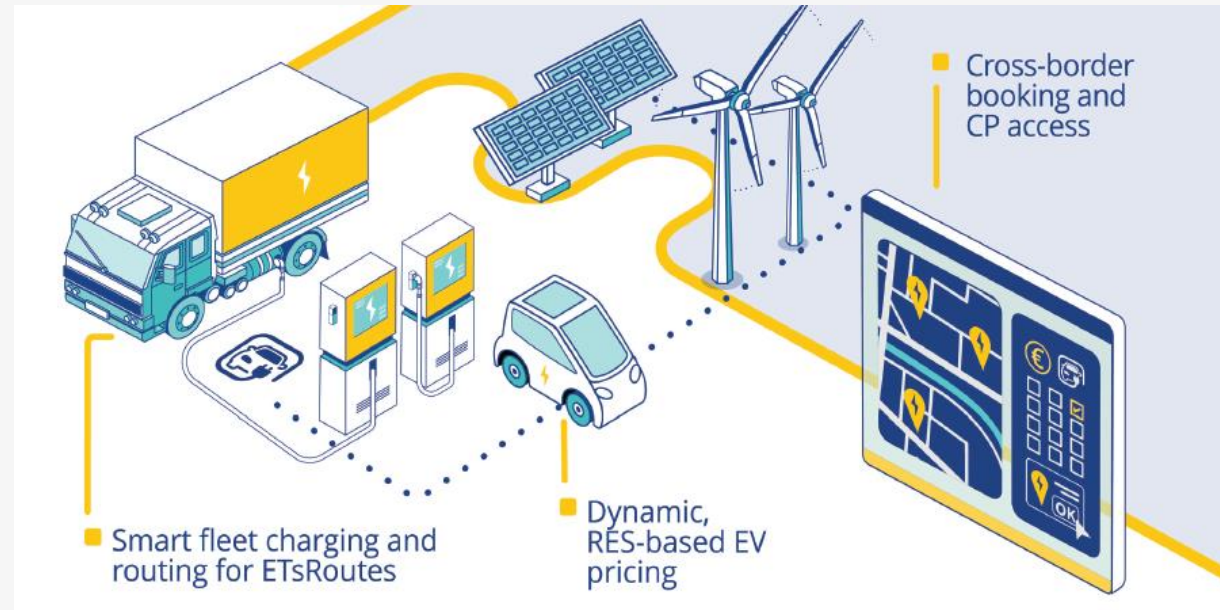
## MAIN SERVICES

- Automated switching of the energy supplier
- Virtual energy community service
- Demand-side flexibility procurement service
- Recommender service of grid vulnerability





# UC II AI-DRIVEN ODP FOR INTEGRATION OF EVS, ETS, RES AND GRID



## MAIN SERVICES

- Dynamic pricing for EV/ET charging
- AI-based charging coordination & route optimization
- Flexibility services for grid balancing
- EV charging point booking system
- Traffic-aware routing and energy forecasting





# UC III DIGITALIZATION OF DATA CENTERS



## MAIN SERVICES

- Real-time monitoring of energy & cooling systems
- Flexibility services for TSOs/DSOs
- Computational workload shifting across borders
- Waste heat reuse & energy efficiency optimization





# NEXT STEPS



## Next steps



Testing the 3 Use Cases - Piloting



Present the 3 Use Cases with a dedicated workshop



Support the awarded consortium for the implementation





# Contact us

Everyone has a part to play in this digital transformation. Your involvement can help accelerate our journey towards a more sustainable and digitally advanced Europe.

## Your contact

Niccolò Fattirolli  
[niccolo@olivoenergy.com](mailto:niccolo@olivoenergy.com)

## Coordinator

Razgar Ebrahimy  
[raze@dtu.com](mailto:raze@dtu.com)

## Our website

[www.begonia-project.eu](http://www.begonia-project.eu)





**Begonia**

**Thank you!**



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# ENERGY CONSUMPTION REDUCTION BASED ON OPEN-SOURCE REFERENCE FRAMEWORK



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2024 - 26

# WHY ECLIPSE



- **Several Energy Apps across Europe from different stakeholders** (DSOs, TSOs, retailers, aggregators, third parties, etc.) that use different platforms, formats, and protocols.
- **Lack of shared standards and of consistent data formats** and access rights that hinder the development and deployment **of new energy Apps.**

The **ECLIPSE project aims** to develop the Common European Reference Framework (CERF), a comprehensive **set of guidelines for energy-saving applications across Europe**, to enable consistent and interoperable solutions that help consumers **reduce or shift their energy usage in response to grid conditions.**

This ensures that energy-saving applications **are scalable, compatible, and effective across all EU Member States.**

# ECLIPSE at a glance

## ECLIPSE

Energy Consumption reduction  
based on Open-source  
Reference framework

## DIGITAL EUROPE PROGRAMME

## COORDINATOR

ETRA I+D

## CONSORTIUM

23 partners from 13 EU  
countries



## PILOT SITES

12 Pilot sites (involving 16 EU  
countries)

## TOTAL BUDGET

9,8 M€

## TOTAL FUNDING

4,9 M€

## DURATION

Start date: 01/09/2024

End date: 31/08/2026



## ECLIPSE PROJECT

# Consortium

**8 R&D entities:** ETRA I+D, INNEUROPE, TRIALOG, UBITECH ENERGY, FHOO, D4G, CINTECH (Cyprus), UPB (Romania).

**7 DSOs:** i-DE (Spain), E-REDES (Portugal), Elektro Ljubljana (Slovenia), METLEN (Greece), CEZ (Czech Republic), Tauron (Poland), HEDNO.

**4 TSO:** ESO (Bulgaria), TSOC (Cyprus), HOPS (Croatia), RD NESTER.

**2 Energy services:** Voltalis (France), Checkwatt (Sweden).

**2 Energy associations:** EDSO-E (Belgium), AELEC (Spain).



# ECLIPSE PROJECT Consortium

etra I+D

CheckWatt

ESO

E.D.S.O.

Inneurope

DIGITAL GRIDS  
DECARBONIZING ENERGY SYSTEMS

Trialog

UBITECH  
digitizing energy

CINTECH  
SOLUTIONS

aeléc

Elektro  
Ljubljana

HOPS

HEDNO

Ε-REDES  
Distribuição de Eletricidade

Metlen  
Energy & Metals

i-DE  
Grupo IBERDROLA

POLITEHNICA  
UNIVERSITATEA  
UPB  
1818  
DIPL. INGENIERI

TAURON  
DYSTRYBUCJA

ΑΣΜΚ  
Διοίκησης Συστήματος Μεταφοράς  
Κύπρου  
Transmission System Operator - Cyprus

DISTRIBUCE

Fh  
OBERÖSTERREICH  
UNIVERSITY  
OF APPLIED SCIENCES  
UPPER AUSTRIA

Voltalis

R&D  
NESTER  
CREATING A SMART  
ENERGY FUTURE

# ECLIPSE PROJECT

## Demonstration activities in 12 real pilots

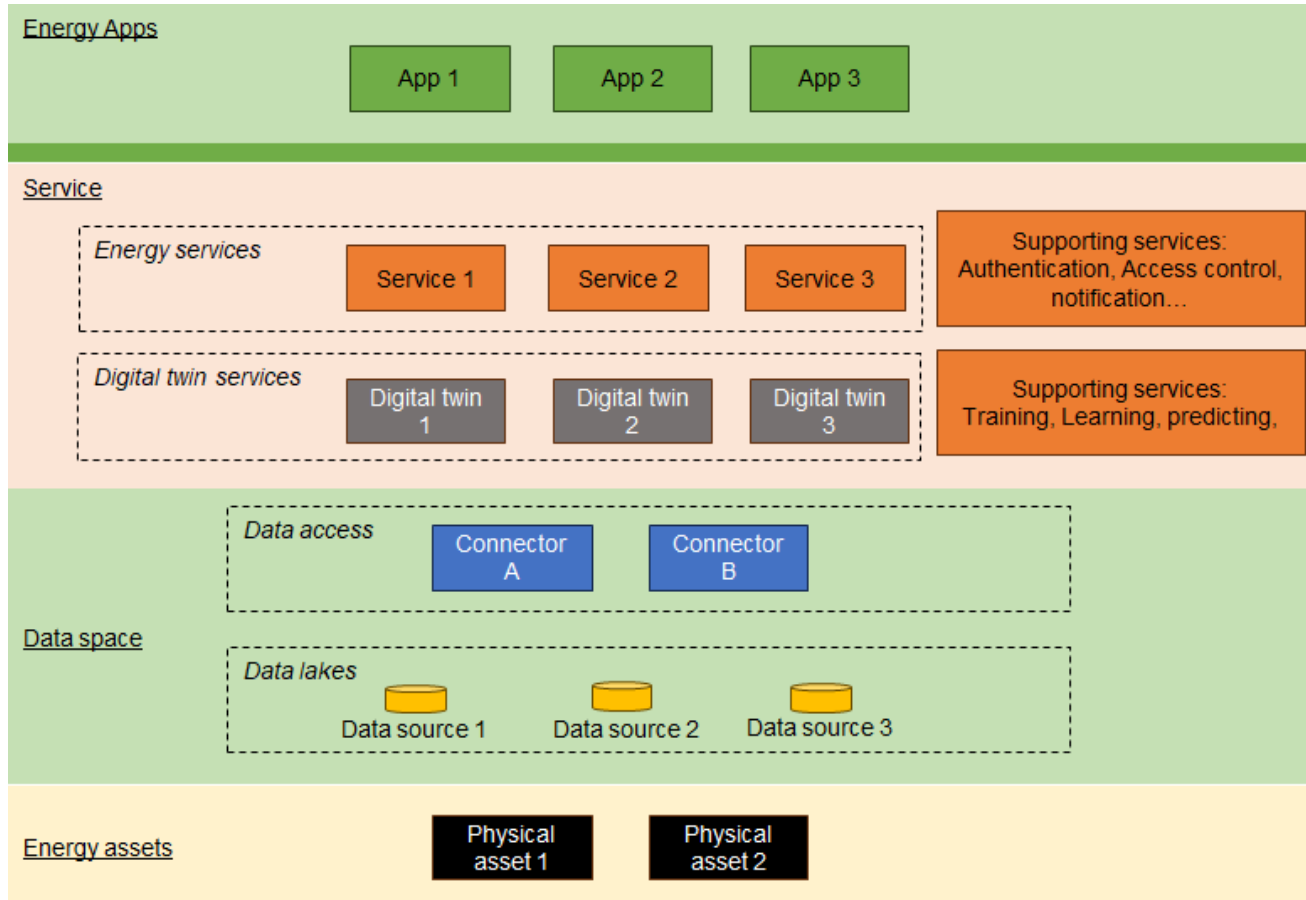


## ECLIPSE 51 Use cases in 6 categories

Categories	Use cases	Definition
Energy invoice reduction for consumers	7	Consumption optimization by adopting different rates or monitoring the pool market.
Carbon footprint reduction & customer awareness	13	To increase environmental awareness through generic or personalized messages.
Enhancing quality of supply and grid resilience	13	When the network reaches or is expected to reach an operating state with values outside or close to the limit. A series of measures are proposed to avoid shedding or blackouts.
Optimization of customer energy flows	7	Based on historical data, propose a way of exploiting housing assets to optimize consumption.
Participation in flexibility energy markets	7	TSO and DSO send flexibility proposals to participate in customer flexibility markets that must previously identify which assets they could manage.
Smart-charging of EVs for grid support	4	Those uses cases centred on managing the charging of EVs considering the state of the grid or the fleet itself.

## ECLIPSE PRELIMINARY ARCHITECTURE

12 pilots



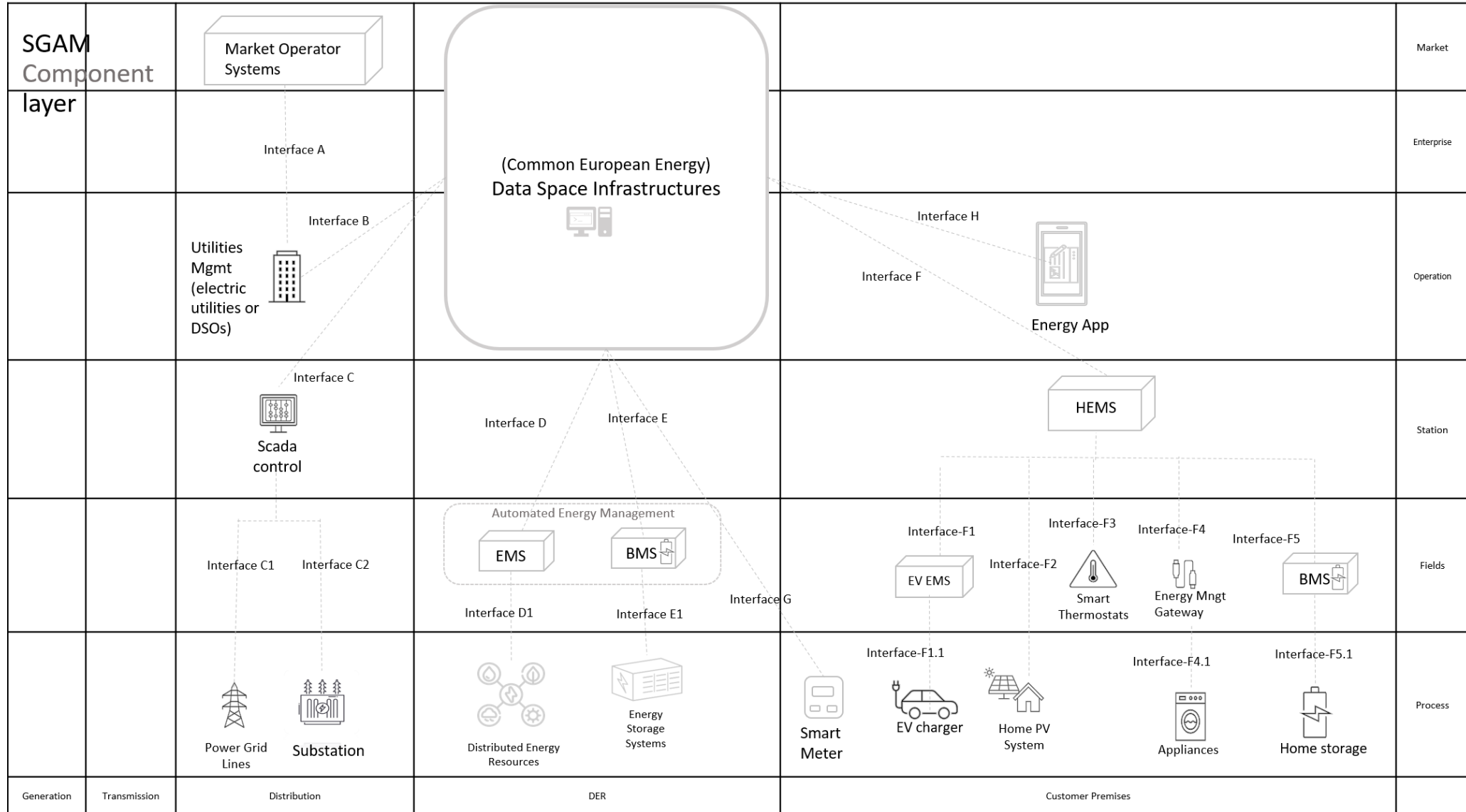
12 Energy Apps  
(+ ECLIPSE User App)

35 Energy Services

22 Data sources/spaces

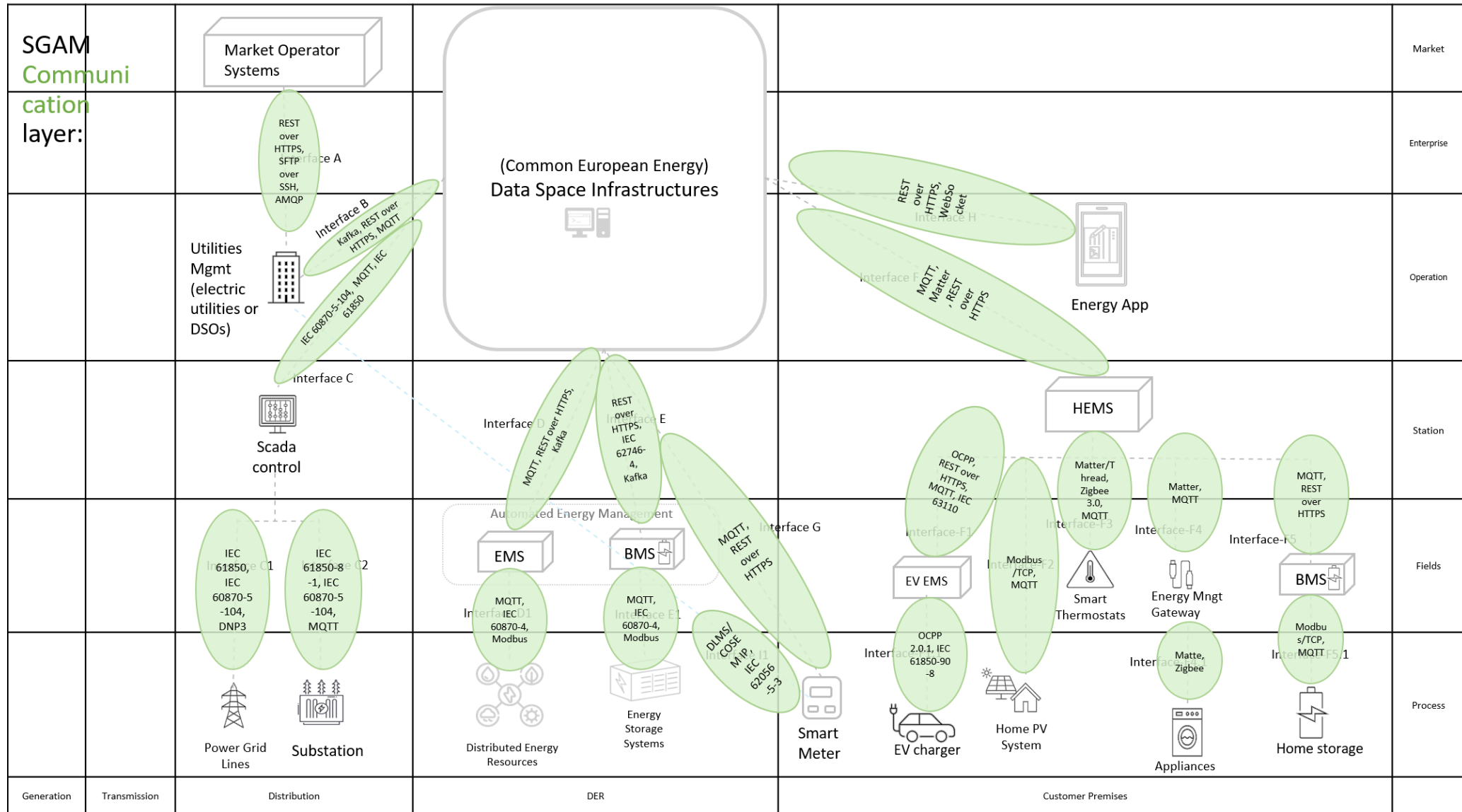
12 Energy asset types

## ECLIPSE PRELIMINARY ARCHITECTURE (SGAM MODEL)

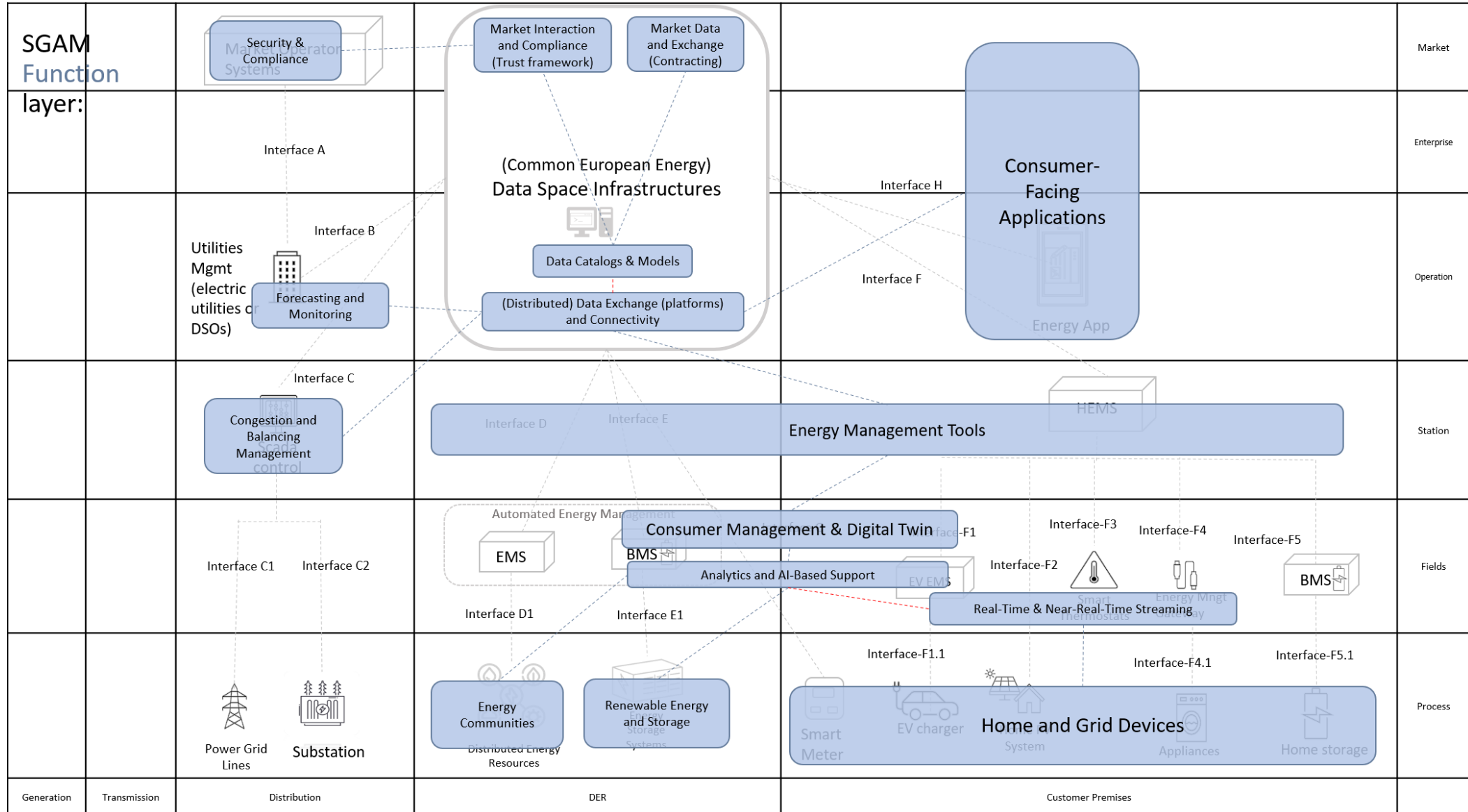


# ECLIPSE PROJECT

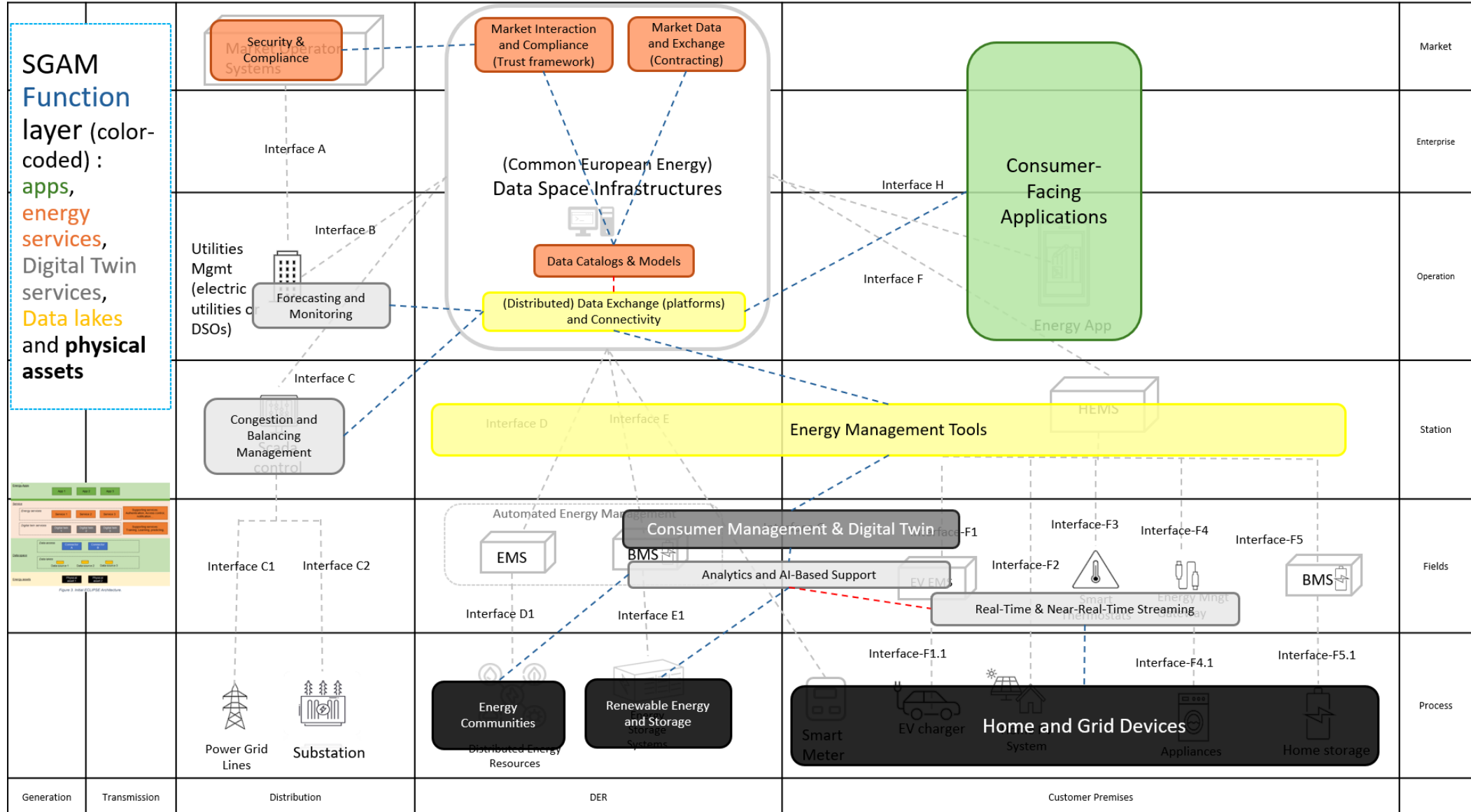
## ECLIPSE PRELIMINARY ARCHITECTURE (SGAM MODEL)



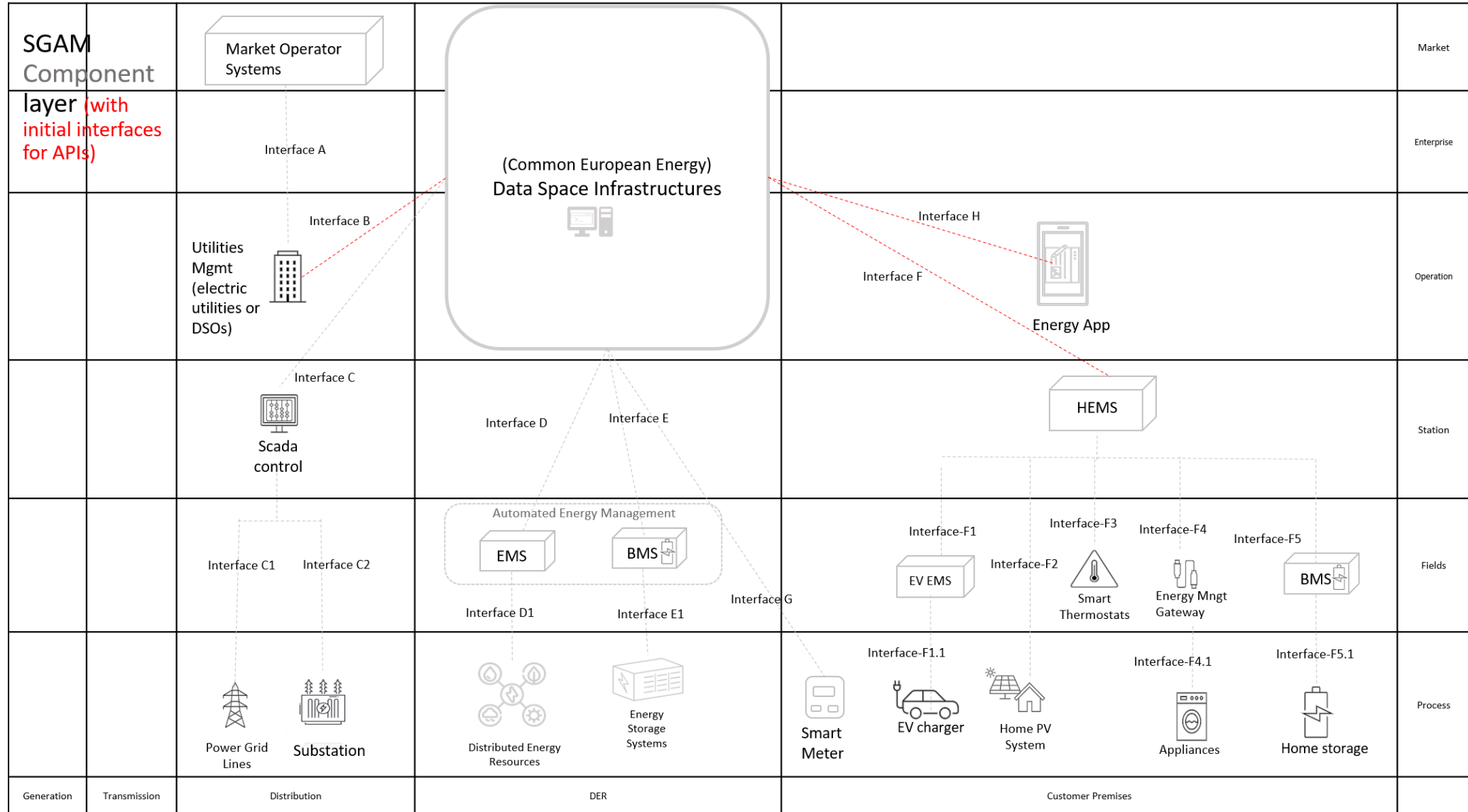
## ECLIPSE PRELIMINARY ARCHITECTURE (SGAM MODEL)



## ECLIPSE PRELIMINARY ARCHITECTURE (SGAM MODEL)

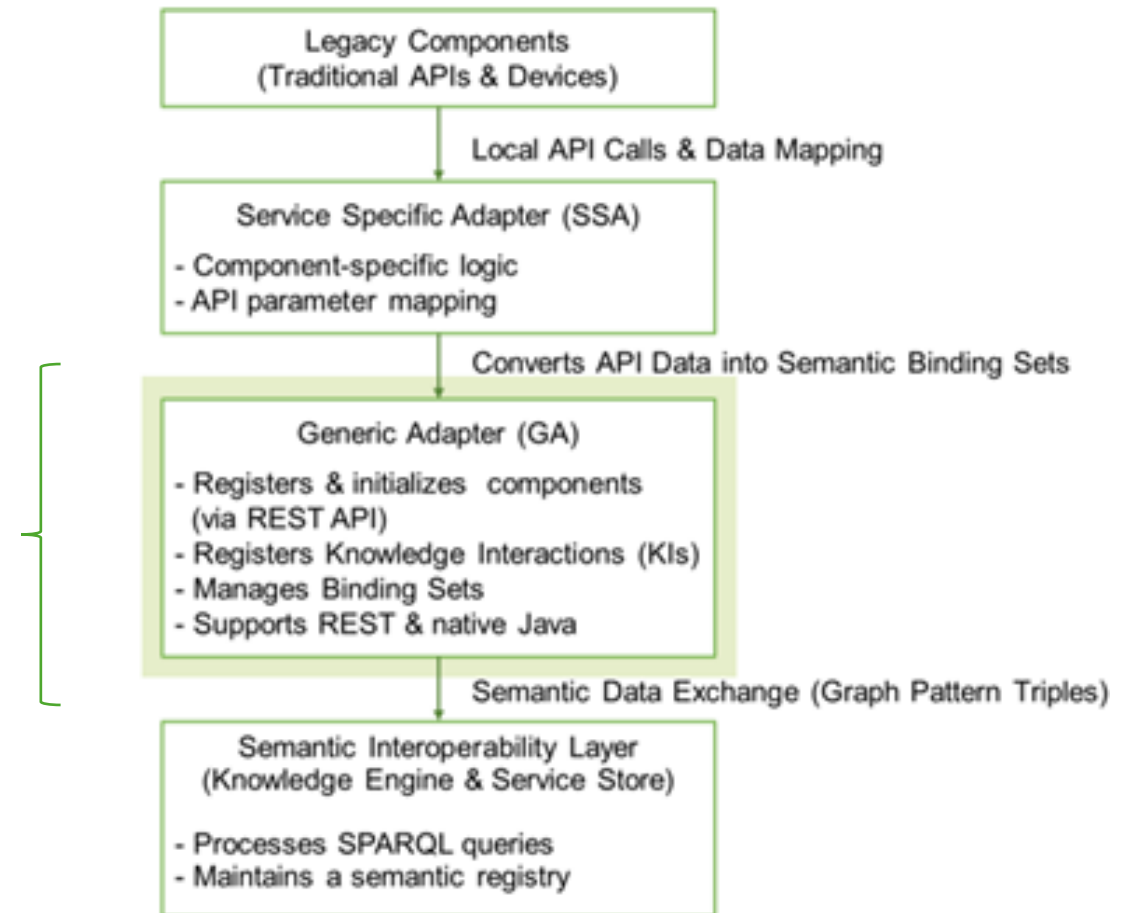
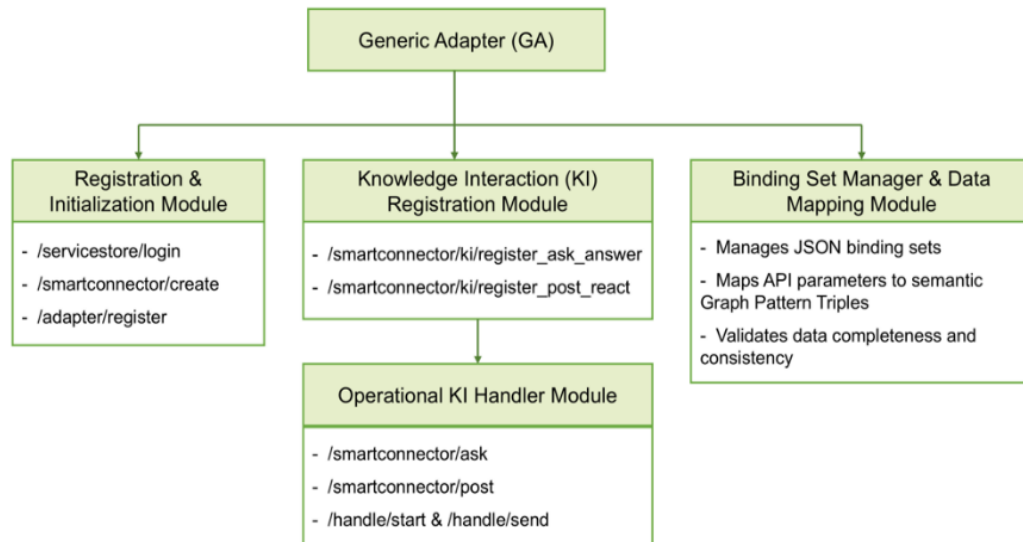


## ECLIPSE PRELIMINARY ARCHITECTURE (SGAM MODEL)



## INTEROPERABLE CONNECTORS

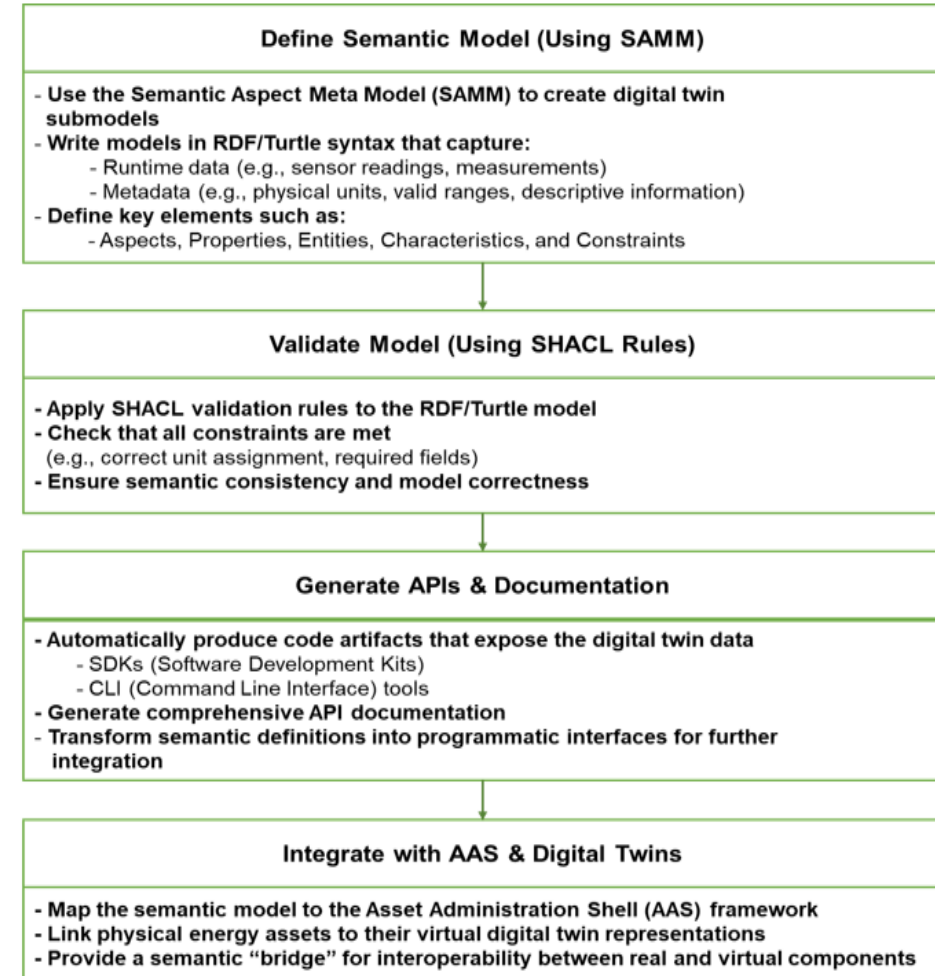
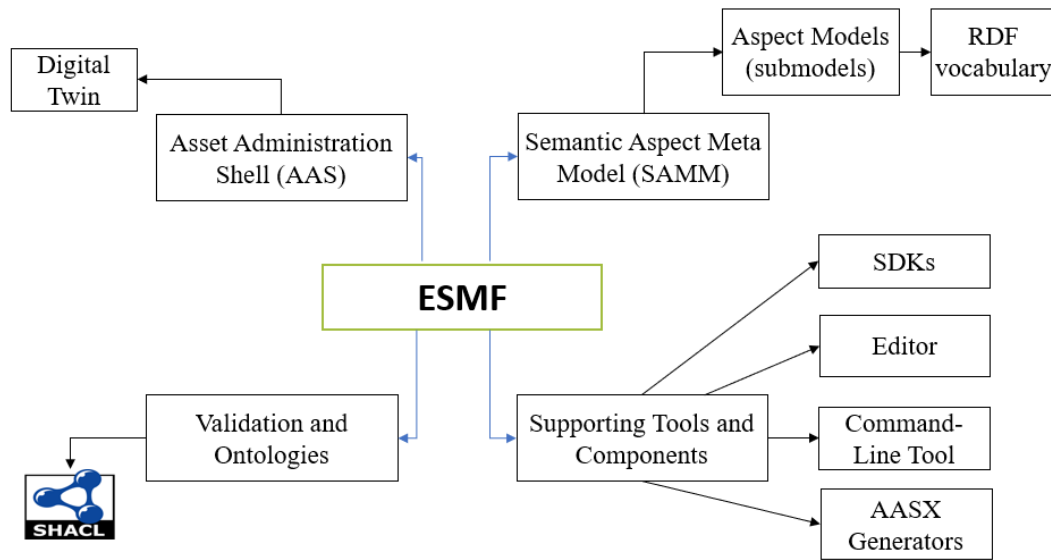
### Interconnect Generic Adapter (GA)



## INTEROPERABLE CONNECTORS

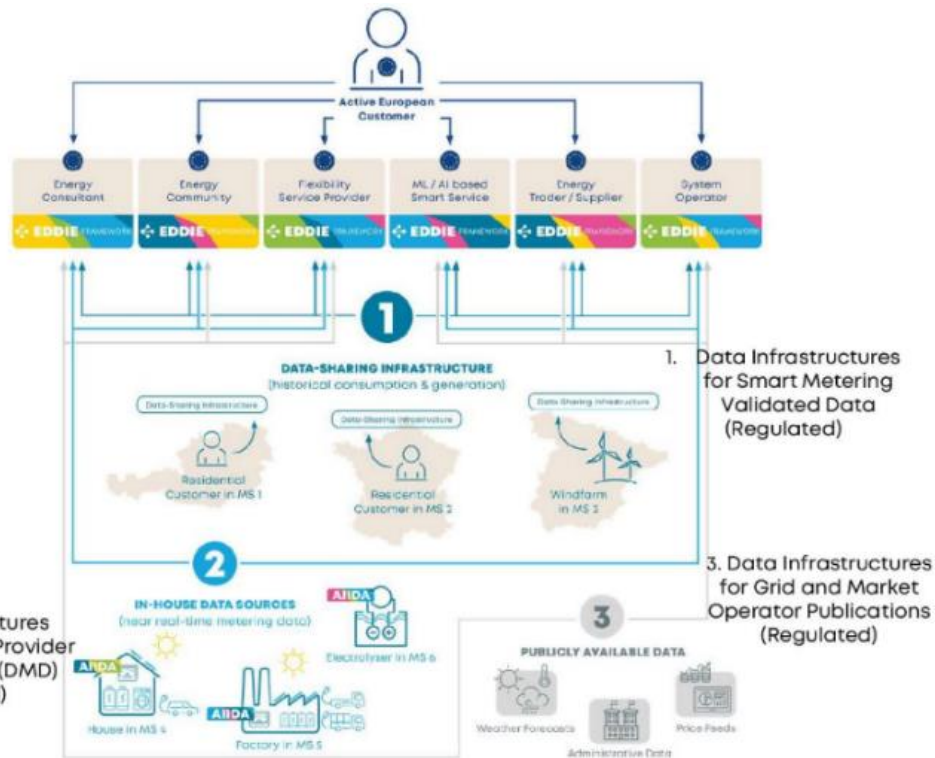


### Modeling Framework (ESMF)



# ECLIPSE PROJECT

## INTEROPERABLE CONNECTORS



- Data-Sharing Infrastructure
  - Validated Historical Data (VHD) for regulated use
  - Near Real-Time (NRT) data for aggregators & flex. providers
- IEC 62325-based consent and permission mgmt.
- Semantic interoperability through CIM
- Regional connectors to adapt local data sources to CIM

# ECLIPSE PROJECT ENERGY APP





ENERGY CONSUMPTION REDUCTION BASED  
ON OPEN-SOURCE REFERENCE FRAMEWORK

# Thank You!



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[ECLIPSE DIGITAL Project](https://www.linkedin.com/company/eclipse-digital-project)



[@EclipseDigitalEU](https://www.youtube.com/@EclipseDigitalEU)



# INSIEME

TOGETHER TOWARDS THE COMMON  
EUROPEAN ENERGY DATA SPACE



This work has been co-funded by the European Union's Digital Europe Programme under grant agreement No. 101194952.



A decorative graphic in the top-left corner consisting of several overlapping, rounded shapes in yellow, blue, pink, and green, resembling a stylized cluster or network.

# **Project environment history & vision Use-cases**

- **2020 - European Strategy for Data:** The European Data Spaces Initiative is part of the EU's broader digital strategy aimed at creating a single market for data. The goal is to – by 2023 - enable secure and trustworthy data sharing across sectors and countries in the EU, fueling innovation, AI, and a data-driven economy.
- **2021 - Creation of the GAIA-X initiative:** European project to develop a federated data infrastructure supporting data spaces. Nowadays, next to GAIA-X and the 3 other main horizontal initiatives BDVA, IDSA and FIWARE the European Data Spaces Support Center (DSSC) helps to streamline developments.
- **2022 - Announcement of the European Health Data Space (EHDS):** the first of its kind, aimed at facilitating data access for research, innovation, and healthcare delivery.
- **2022–2025 - Development and testing of “Data Space Building Blocks”:** (like standards, governance, and tools), supported through programs like Digital Europe and Horizon Europe.





The action plan lays the groundwork for CEEDS, envisioned as a federated digital ecosystem facilitating **secure and interoperable energy data exchange across the EU**. Key:

- Data portability
- Interoperability
- Governance Framework
- Integration with other sectors

**Vision:** EU MS seamlessly connected - not just by cables & pipelines, but through a secure, intelligent, and transparent flow of energy data: the Common European Energy Data Space (CEEDS) as digital backbone of Europe's transition to net-zero.



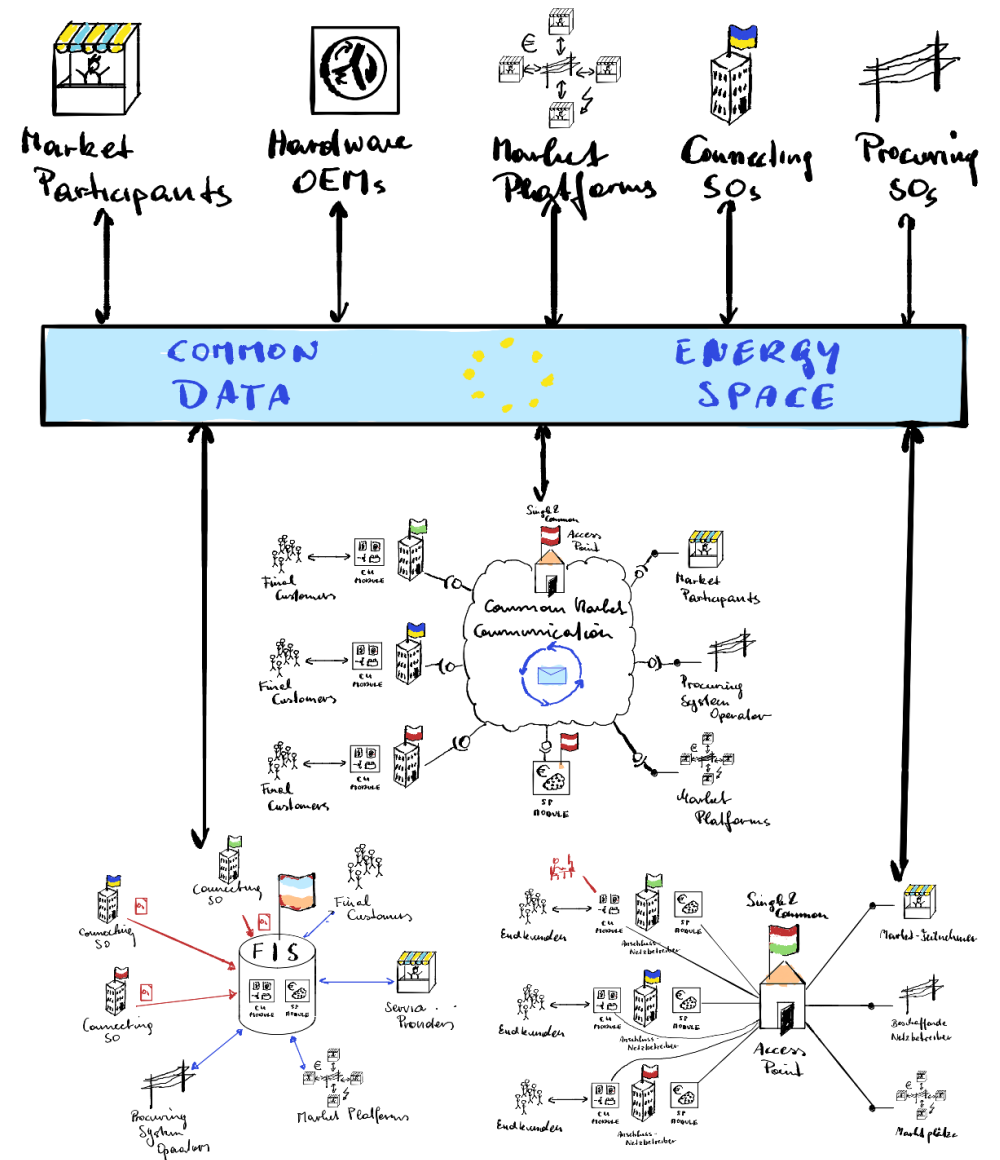
**Empowering Citizens and Consumers**

**Enabling a Smarter, Greener Energy Infrastructure**

**Fueling Innovation and Growth**

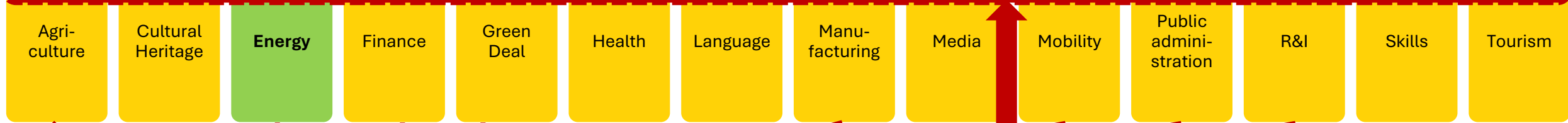
**Trust and Security**

**A Symbol of European Unity**



# Common European Data Spaces for 14 Sectors

transversal building blocks (e.g. IAM, standardisation)



see <https://digital-strategy.ec.europa.eu/en/policies/data-spaces>





# INSIEME



UNIVERSITY  
OF APPLIED SCIENCES  
UPPER AUSTRIA

**Start:**

April 1st 2025

**End:**

March 2028



Establishing a  
CEEDS by the  
sector for the  
sector



54 European  
Partners co-  
operating closely  
with European  
workstreams



16 Mio. EUR  
Budget  
(8 Mio. EUR  
European co-  
funding out of  
Digital Europe  
Programme)



Tackling highest-  
priority twin  
transition  
challenges directly  
using the CEEDS



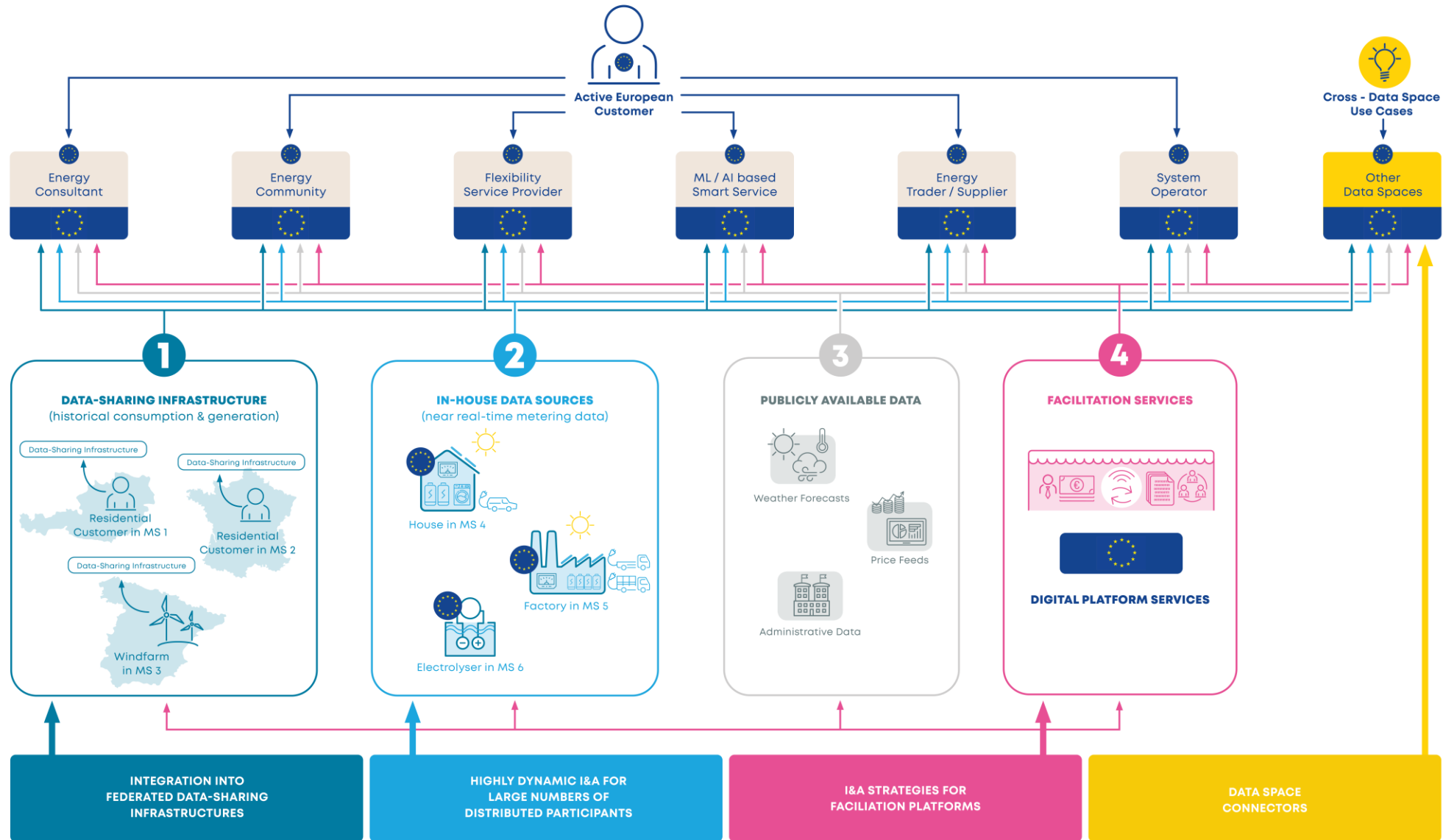
Deploy use cases  
in 15 EU countries



## INSIEME Coverage & Use Cases

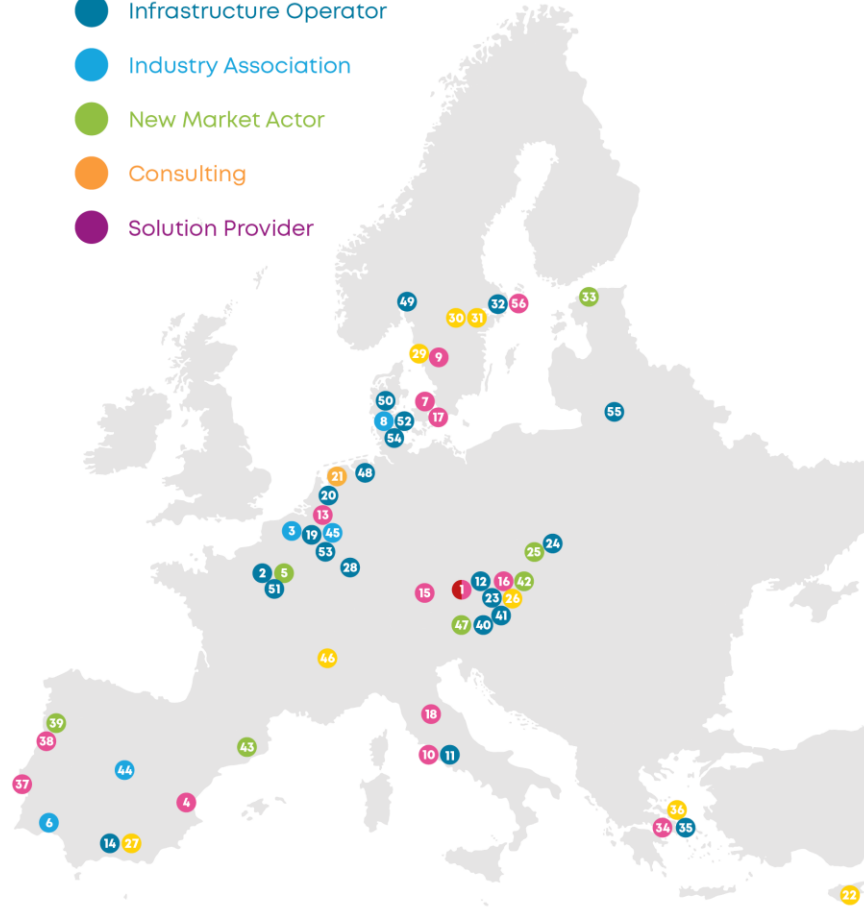
- 1 Energy Efficiency and Flexibility Management
- 2 Collective Self-Consumption and Flexible Connection Agreements
- 3 Grid Flexibility Services
- 4 Electromobility
- 5 Renewables Integration
- 6 Networks and Integration Planning
- 7 Smart Sector Integration

# REQUIREMENTS OF A DIGITAL, FLEXIBLE AND PARTICIPATIVE ENERGY SYSTEM



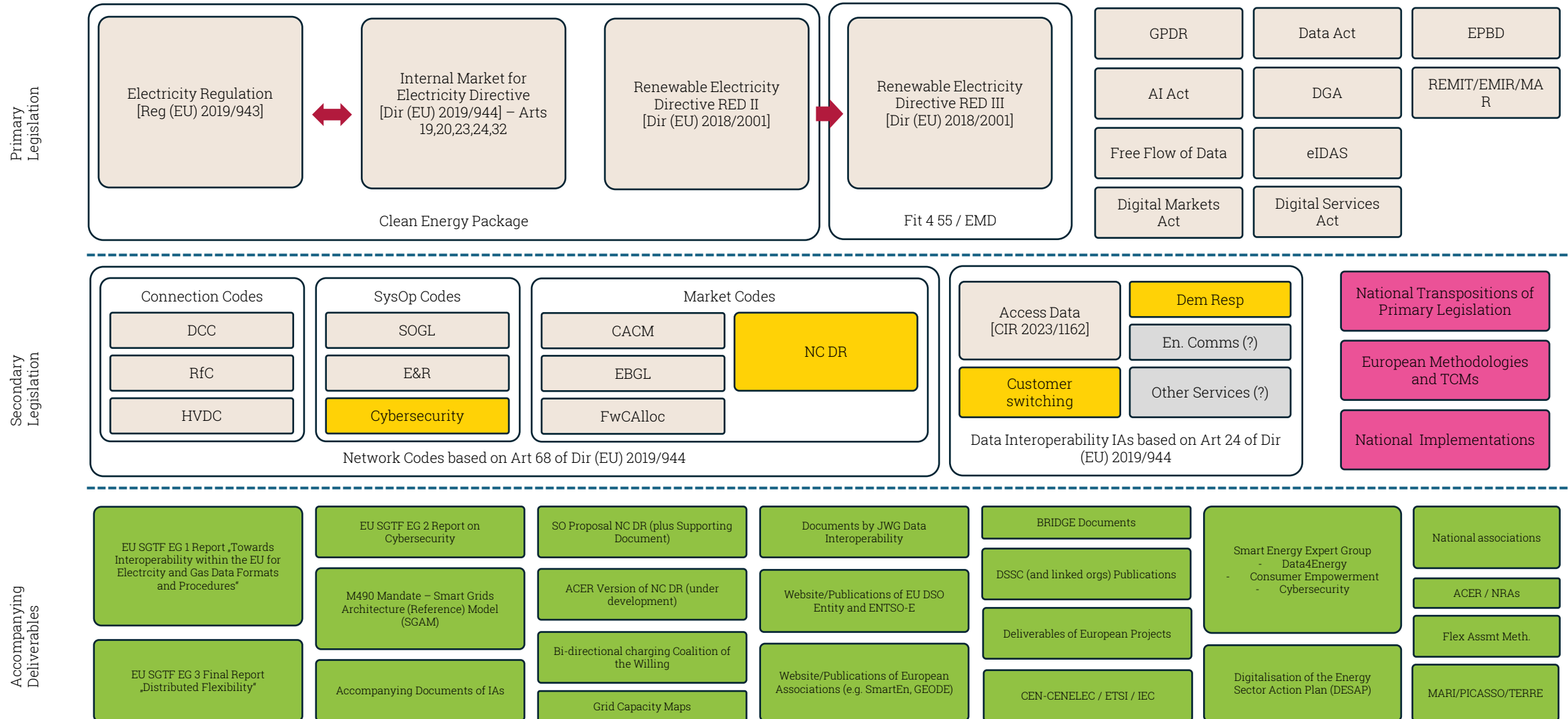
# INSIEME Consortium

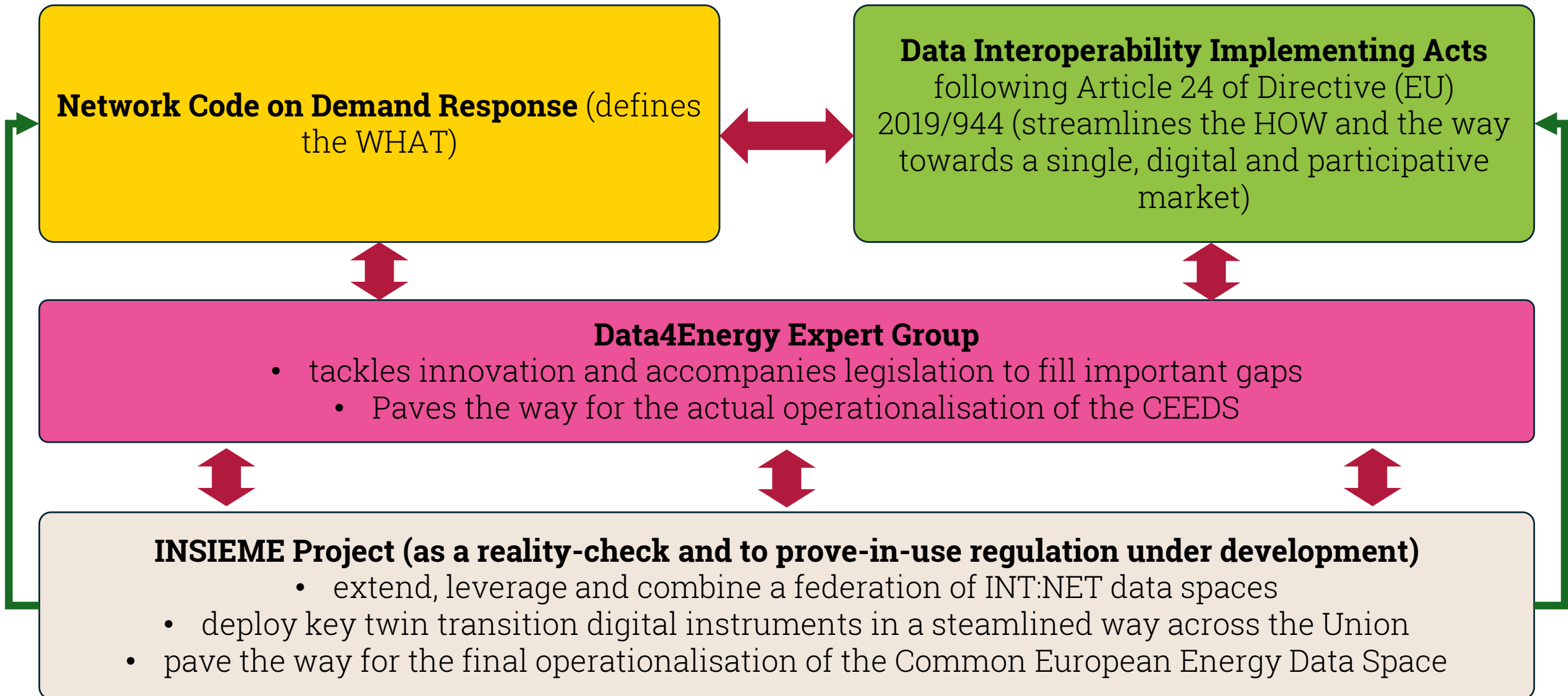
- Coordinator
- Research & Innovation
- Infrastructure Operator
- Industry Association
- New Market Actor
- Consulting
- Solution Provider



- |   |  |
|---|--|
| <b>1</b> University of Applied Sciences Upper Austria (FHOOE); FH OO FORSCHUNGS & ENTWICKLUNGS GMBH (FHOOE) | <b>29</b> VOLVO TECHNOLOGY AB  |
| <b>2</b> ENEDIS   | <b>30</b> STATISTISKA CENTRALBYRAN   |
| <b>3</b> EUROPEAN RENEWABLE ENERGIES FEDERATION (EREF)  | <b>31</b> STATENS ENERGI MYNDIGHET   |
| <b>4</b> ETRA INVESTIGACION Y DESARROLLO SA   | <b>32</b> VATTENFALL ELDISTRIBUTION AB   |
| <b>5</b> DIGITAL4GRIDS  | <b>33</b> R8 Technologies OÜ   |
| <b>6</b> ENERCOUTIM - ASSOCIACAO EMPRESARIAL DE ENERGIA SOLAR DE ALCOUTIM                                   | <b>34</b> ETHNICON METSOVION POLYTECHNION  |
| <b>7</b> DANMARKS TEKNISKE UNIVERSITET  | <b>35</b> IRON ANONYMI ETAIREIA ENERGEIAKON YPIRESION - HERON SOCIETE ANONYME ENERGY SERVICES  |
| <b>8</b> CENTER DANMARK DRIFT APS   | <b>36</b> ORGANISMOS TILEPIKOINONION TIS ELLADOS OTE AE  |
| <b>9</b> RISE RESEARCH INSTITUTES OF SWEDEN AB  | <b>37</b> REN - REDE ELECTRICA NACIONAL SA   |
| <b>10</b> ENGINEERING - INGEGNERIA INFORMATICA SPA  | <b>38</b> INESC TEC - INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES, TECNOLOGIA E CIENCIA |
| <b>11</b> ARETI S.P.A.  | <b>39</b> COOPERATIVE ELECTRICA DO VALE DESTA CRL  |
| <b>12</b> EDA ENERGIEWIRTSCHAFTLICHER DATENAUSTAUSCH GMBH   | <b>40</b> ENERGIENETZE STEIERMARK GMBH   |
| <b>13</b> VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.  | <b>41</b> NETZ NIEDEROSTERREICH GMBH   |
| <b>14</b> CUERVA ENERGIA SLU  | <b>42</b> backbone.one GmbH  |
| <b>15</b> FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG EV                                | <b>43</b> COMERCIAL VALLESANA DE SUMINISTROS SA  |
| <b>16</b> UNIVERSITÄT WIEN  | <b>44</b> ASOCIACION DE EMPRESAS DE ENERGIA ELECTRICA  |
| <b>17</b> COPENHAGEN BUSINESS SCHOOL  | <b>45</b> SMART ENERGY EUROPE  |
| <b>18</b> EUROPEAN UNIVERSITY INSTITUTE   | <b>46</b> RENAULT TRUCKS SAS   |
| <b>19</b> EUROPEAN DISTRIBUTION SYSTEM OPERATORS FOR SMART GRIDS  | <b>47</b> ENIXI GMBH   |
| <b>20</b> ALLIANDER NV  | <b>48</b> ENFOR AS   |
| <b>21</b> Expert Modeller   | <b>49</b> STATNETT SF  |
| <b>22</b> SUITES DATA INTELLIGENCE SOLUTIONS LIMITED  | <b>50</b> EWII A/S   |
| <b>23</b> AUSTRIAN POWER GRID AG  | <b>51</b> RTE RESEAU DE TRANSPORT D'ELECTRICITE  |
| <b>24</b> TAURON DYSTRYBUCCJA SPOLKA AKCYJNA  | <b>52</b> ENERGINET  |
| <b>25</b> Operator Klastra Energij Sp. z o.o.   | <b>53</b> ELIA TRANSMISSION BELGIUM  |
| <b>26</b> EnliteAI GMBH   | <b>54</b> TREFOR EI-NET A/S  |
| <b>27</b> ADAION SMART GRID SOLUTIONS SL  | <b>55</b> Litgrid  |
| <b>28</b> Luxembourg National Data Service (PNED GIE)   | <b>56</b> Vattenfall AB R&D  |

# RELEVANT EU ENERGY DATA REGULATORY LANDSCAPE







[www.eclipse-digital.eu](http://www.eclipse-digital.eu)

# FOUR PROJECTS, ONE VISION: THE DIGITAL TRANSFORMATION OF THE EU ENERGY SYSTEM



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26th June 2025 III

# Questions from the Audience

**It's your turn! Do you have any questions for our speakers?**

Drop them in the chat and we'll take them live.



# Panel Discussion



→ What are the biggest challenges you've faced when trying to implement digital solutions in real-world energy contexts?

→ What policy or regulatory barriers have you encountered that limit digital transformation in the energy sector?

→ How can digitalisation help improve stakeholder engagement — or does it sometimes create new barriers?

→ Looking ahead, what do you see as the key enablers to make Europe's energy systems smarter, greener, and more digital?



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