



# EDDIE

EUROPEAN DISTRIBUTED  
DATA INFRASTRUCTURE  
FOR ENERGY

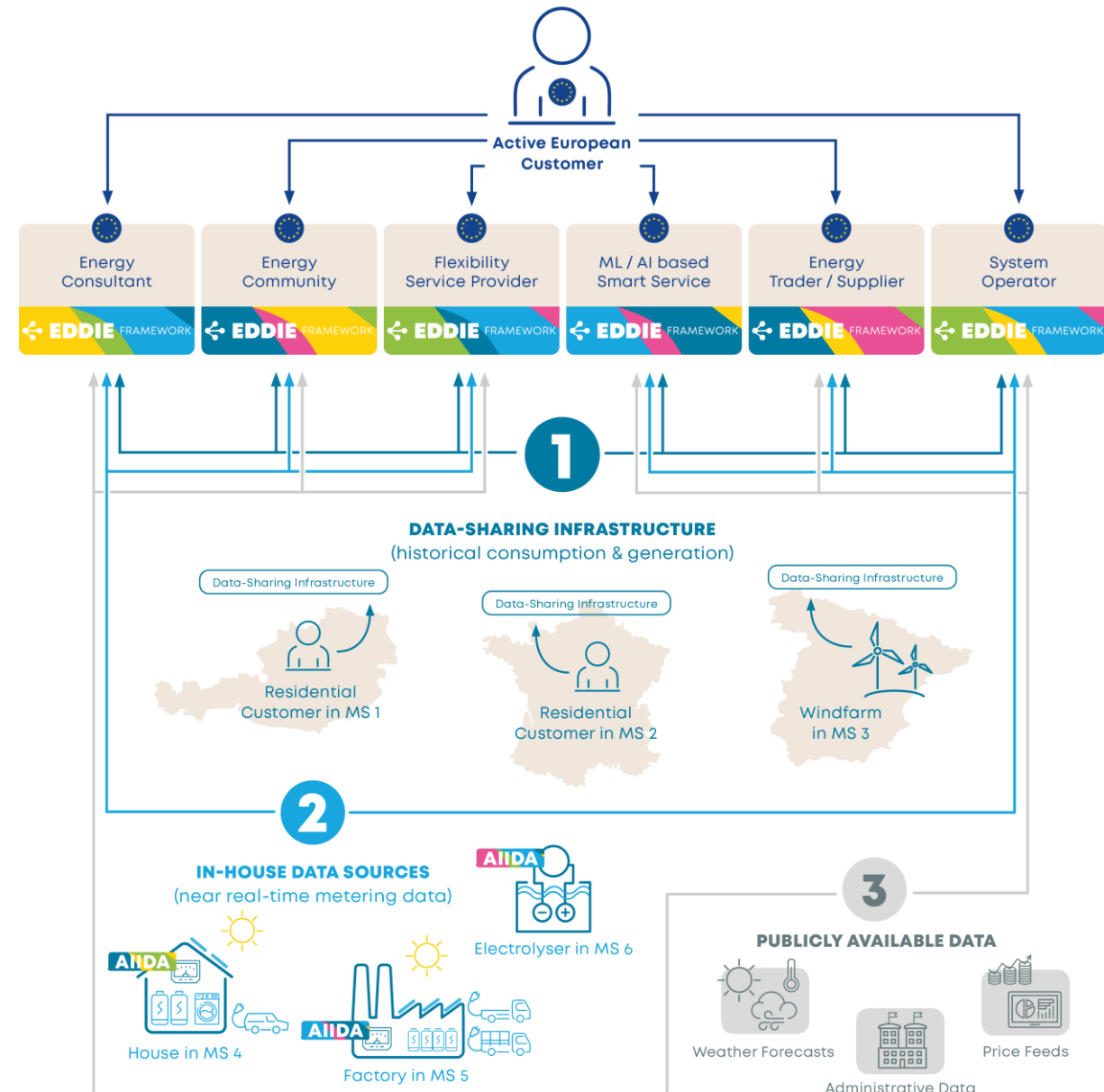
## EDDIE DATA SPACE INTER- CONNECTOR

INT:NET Data Spaces  
Cluster Workshop, Brussels

September 13th 2023

## CORE VISION

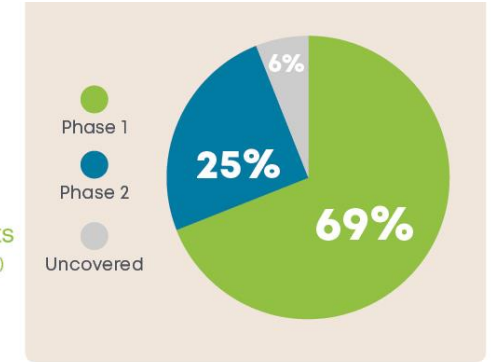
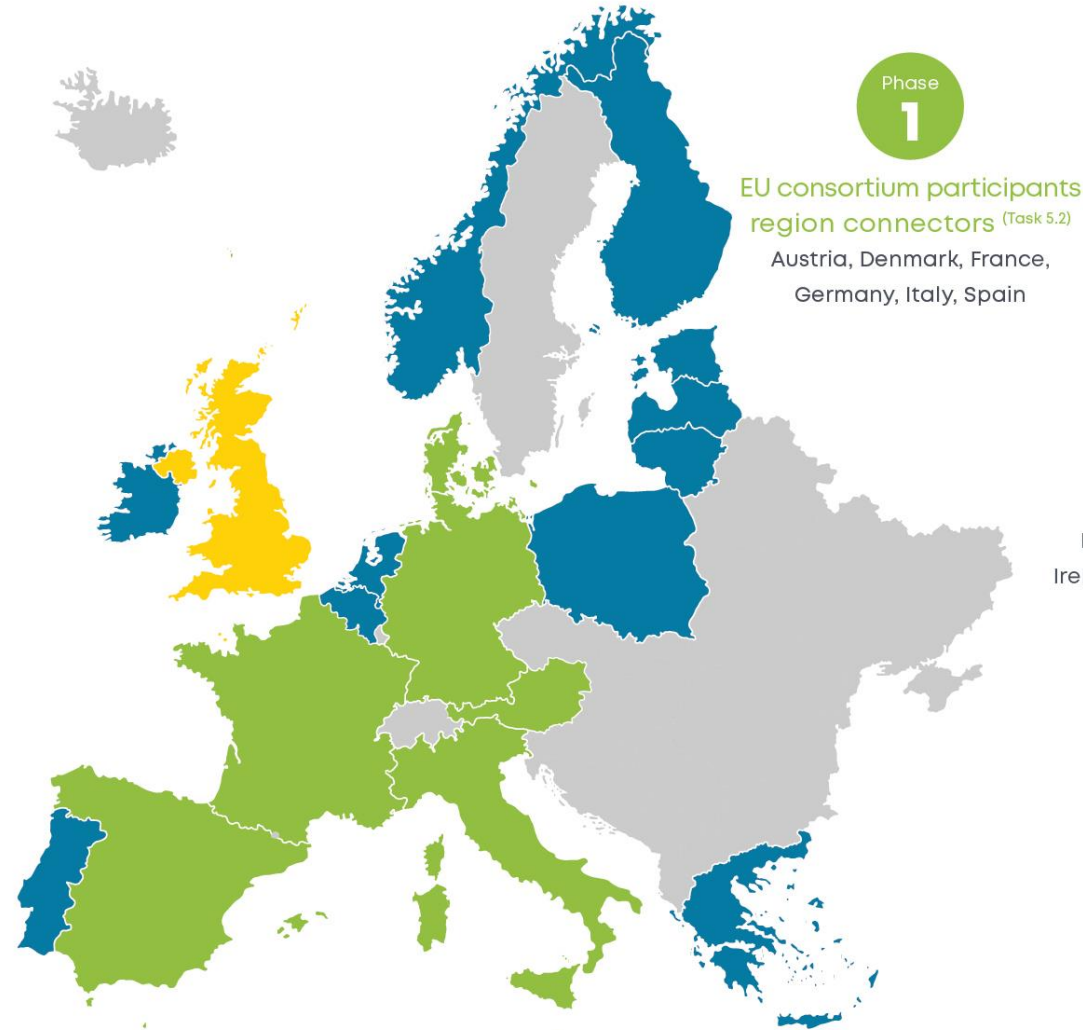
3 classes of  
data under  
consideration



## REGION ROLLOUT

**MVP** – Austria  
and France

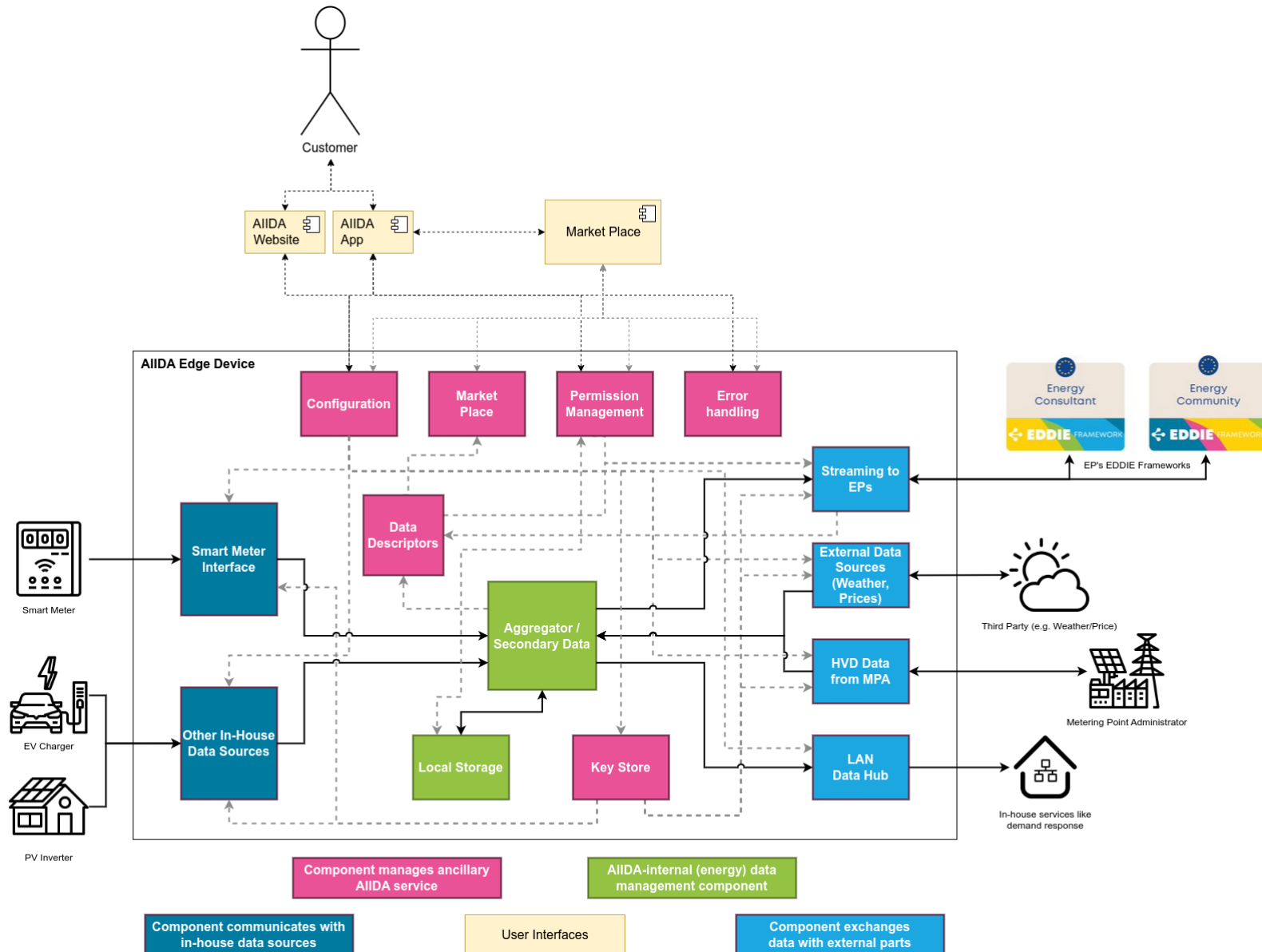
Phase 1 until  
M18, other  
regions already  
under way

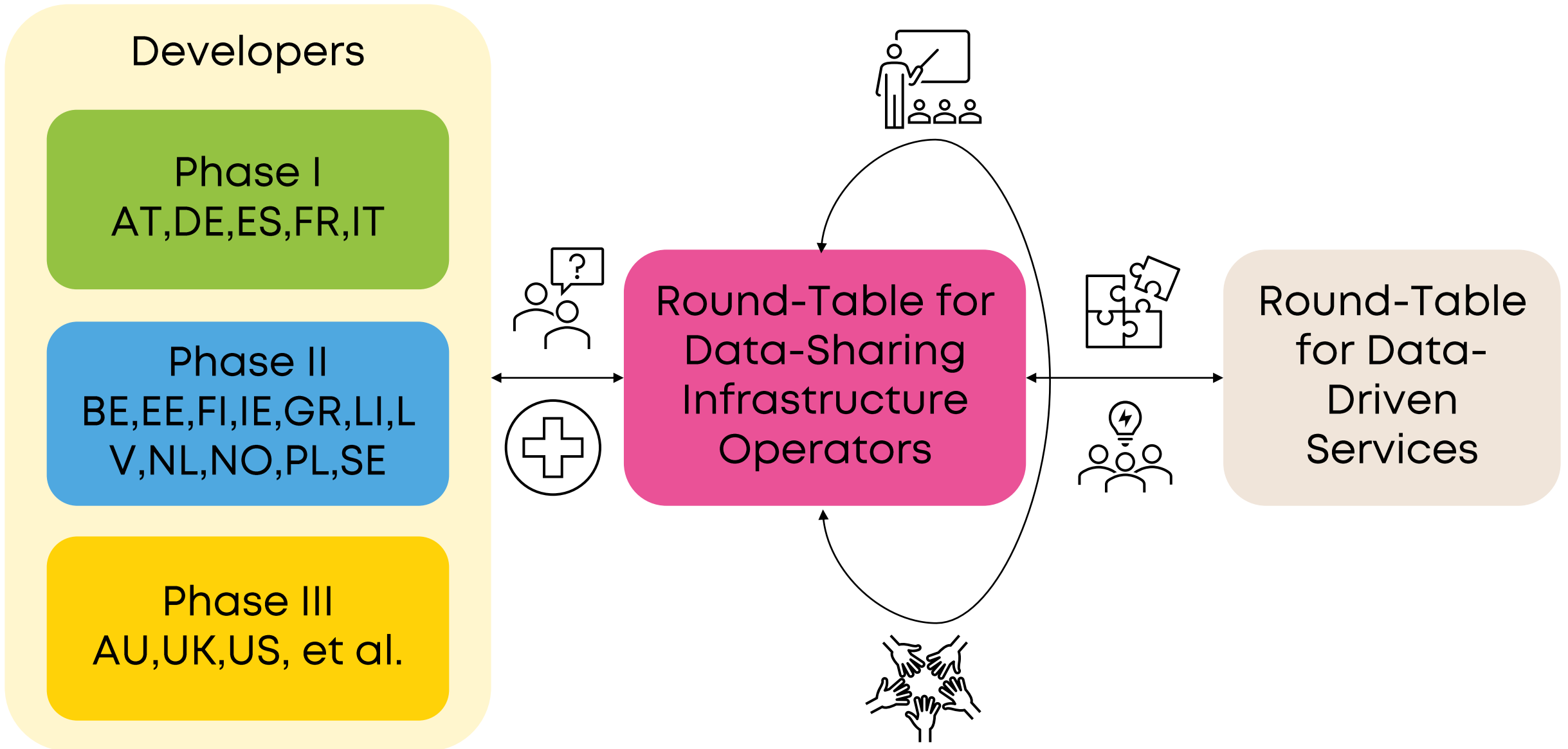


**Phase 2**  
Other EU Member State  
connectors (Task 5.3)  
Belgium, Estonia, Finland, Greece,  
Ireland, Latvia, Lithuania, Netherlands,  
Norway, Poland, Portugal

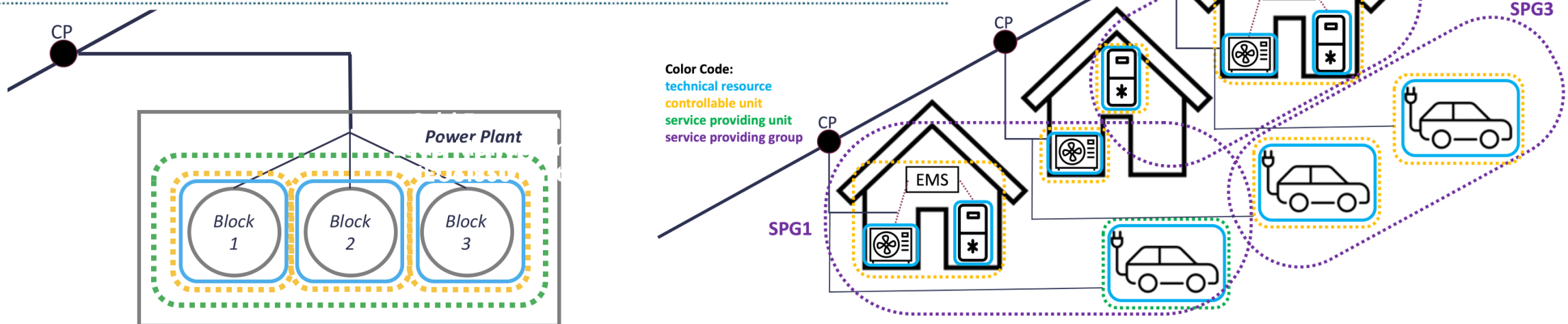
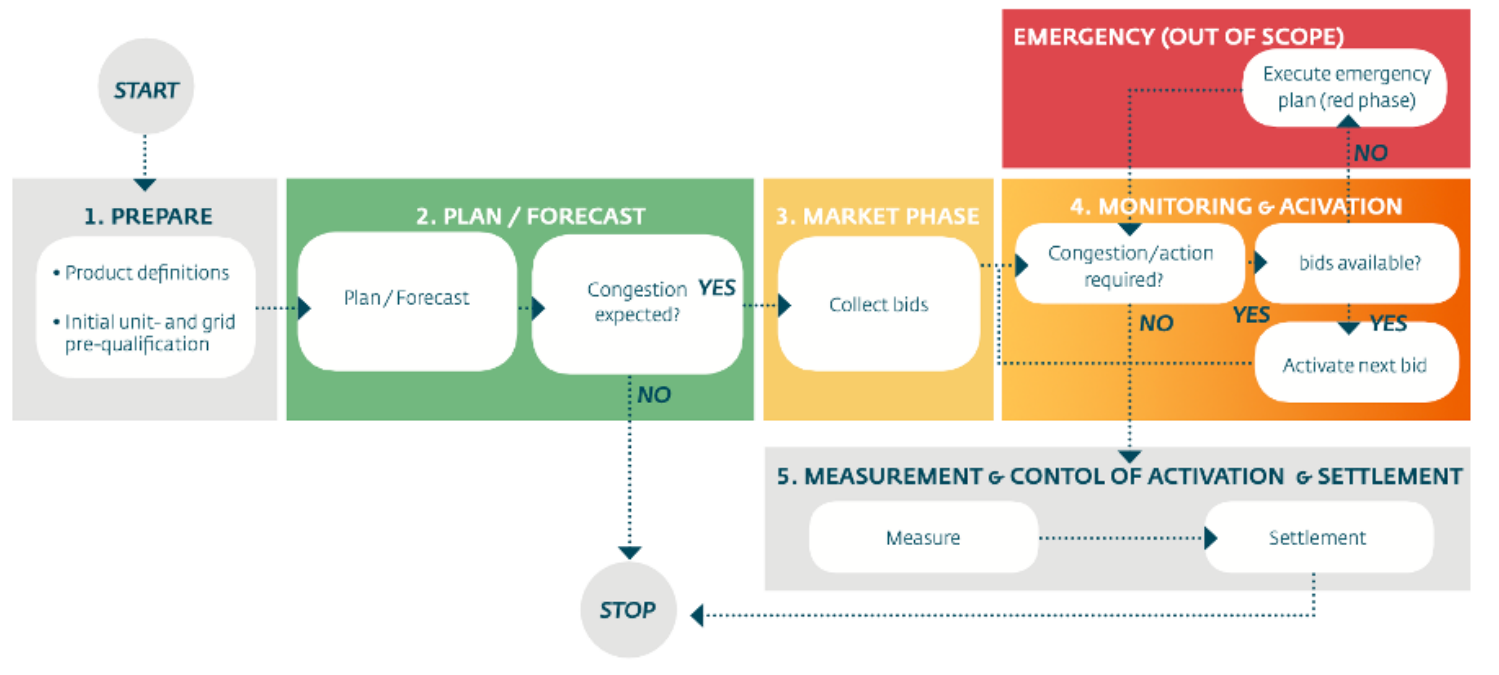


## (2) AIIDA – ADMINISTRATIVE INTERFACE FOR IN-HOUSE DATA ACCESS





# DISTRIBUTED FLEXIBILITY DATA EXCHANGE REQUIREMENTS



MAIN USE CASES

Data Collection Data Aggregation Data Analysis

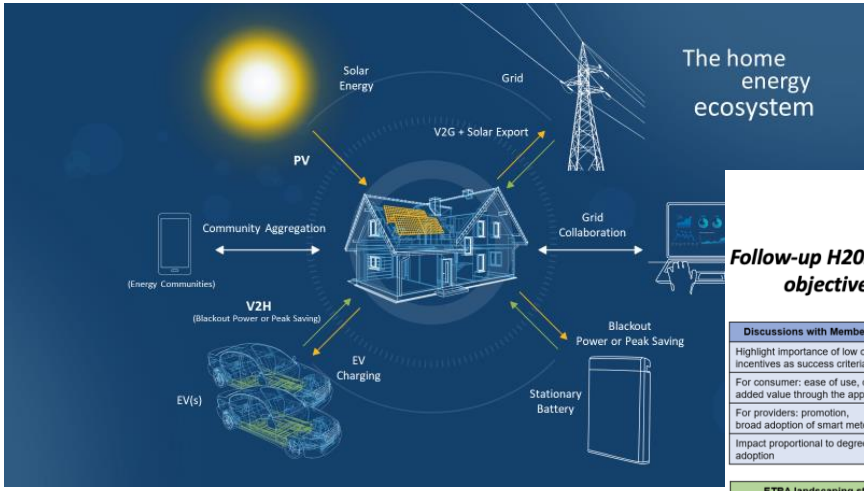
FlexIDAO can automate the collection of granular "Scope 2" data on its clients' behalf from different sources, or allow for manual upload.

Data is ingested, cleaned and processed into relevant insights for decision making and reporting to enable other use cases

Customers can use FlexIDAO's SaaS dashboards to analyse information or can export the data to their software platforms to enable other use cases



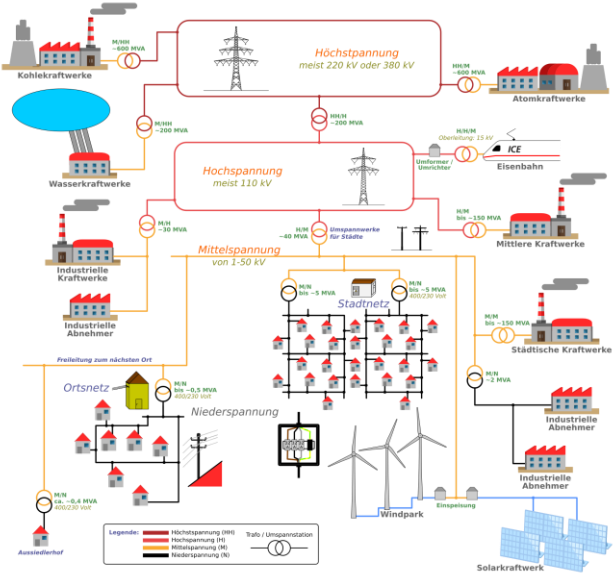
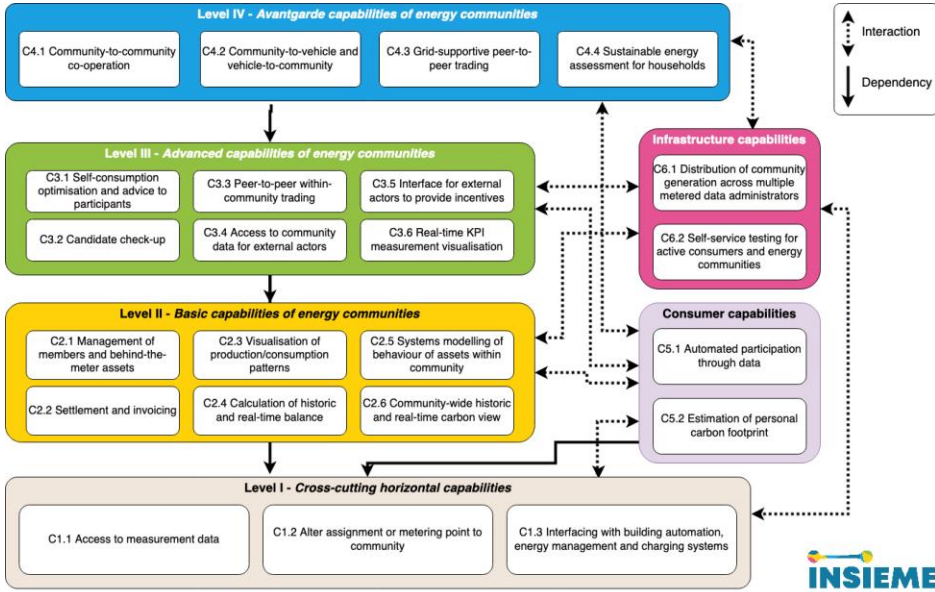
- Granular Scope 2 Carbon Accounting.
- Renewable energy procurement decisions.
- Renewable energy contracts, certificates and emissions in one place.
- Understand your 24/7 Carbon free performance and KPIs.



Follow-up H2020 call objectives

<b>Discussions with Member States</b> Highlight importance of low cost & incentives as success criteria For consumer: ease of use, clear added value through the application For providers: promotion, broad adoption of smart meters Impact proportional to degree of adoption	<b>Today - 2023: Blueprint (1st generation)</b> <b>Supported by H2020-Interconnect (2M€ investment)</b> <b>Data:</b> public data, anonymised data from smart meters, data voluntarily provided by the user through the application <b>Target:</b> Different groups of users by region, Electric vehicle owners, households, solar panel owners, ... <b>Recommendations:</b> Avoid consumption, Eco tips, energy bill reduction, incentivise load shifting <b>Intervention:</b> Manual by the user <b>Implementation:</b> Reference frameworks for interoperability framework with DSO and TSO interfaces, reference back-end and front-end for the application <b>Piloting:</b> in 10 Member States supported through open calls for funding for SMEs, service providers, ...	<b>Smart Grids Task Force - Expert Group 3 -</b> <b>Level of service according to functionalities of applications:</b> Level 1: General guidance/tips on energy efficiency Level 2: + Critical state alerts and warnings, but still with general information Level 3: + Information on available incentives and related support Level 4: + Simplified incentives and rewards for active engagement Level 5: + Customised advice, supported by steered action and incentives
<b>ETRA landscaping study</b> <b>Provision of applications and platforms to consumers by:</b> Retailers and DSOs TSOs 3rd parties with non-personalised information of retail prices 3rd parties with personalised information of consumption and production in real time National energy data platforms	<b>2024 +: Blueprint (2nd generation)</b> <b>Planned to be supported by DIGITAL (5M€ investment)</b> <b>Data:</b> Real-time consumption data from meters, contracts,... <b>Target:</b> Extended functionality with customised features <b>Recommendations:</b> Personalised per application user <b>Intervention:</b> Automated by intermediary/service provider	

European Energy Savings Reference Framework  
<https://digital-strategy.ec.europa.eu/en/news/first-generation-blueprint-common-european-reference-framework-energy-saving-applications>




## EDDIE- AS-A- SERVICE

online.eddie.energy  
demo.eddie.energy


datahub for  
start-ups

- PaaS for direct connectivity
- Startups and all interested Service Providers may create an account and connect within minutes
- Short-cut approach for scaling up
- Additional, off-the-shelf *linked data sources* (carbon footprint, TSO, exchange, weather data)
- Off-the-shelf linkage with financial services
- Data services
- Available Q4 2023



The screenshot shows the EDDIE website interface. At the top, there is a navigation bar with the EDDIE logo and links for NEWS, ABOUT, PARTNERS, ROUND-TABLES, CONTACT, and social media icons for Twitter and LinkedIn. Below the navigation bar is a blue header section titled "ABOUT EDDIE". The main content area contains two paragraphs of text explaining the Clean Energy Package and the EDDIE solution. Below the text are three colored buttons: "NEWS" (green), "EVENTS" (yellow), and "LinkedIn" (blue). At the bottom, there is a "JOIN EDDIE" section with a sign-up form and a "Subscribe now!" button. The footer includes the EDDIE logo, the text "News Partners", the European Union flag, and a statement about co-funding from the European Union's Horizon 2020 research and innovation programme.



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NEWS ABOUT PARTNERS ROUND-TABLES CONTACT  

### ABOUT EDDIE

The Clean Energy Package establishes the rights to access energy data to customers and share it with eligible parties of their choice. This enables new energy data-based services within and beyond the energy sector. The main barrier for such solutions is the lack of large-scale and uniform procedures in the EU. Actors are tied to national practices, which limits their interoperability and growth perspective. These constraints have an industrial, economic and social dimension on a European level and beyond.

As a solution, **EDDIE** creates a de-centralised, distributed, open-source Data Space, aligned with the work of the EU Smart Grids Task Force on the Implementing Acts on Interoperability and other European activities. This *European Distributed Data Infrastructure for Energy (EDDIE)* lowers data integration costs drastically because the resulting *EDDIE Framework* lets energy service companies work and compete in a common European market. In addition, an *Administrative Interface for In-house Data Access (AIIDA)* ensures the customer consent-based secure and reliable access to valuable real-time data.

 **NEWS**  **EVENTS**  **LinkedIn**

### JOIN EDDIE

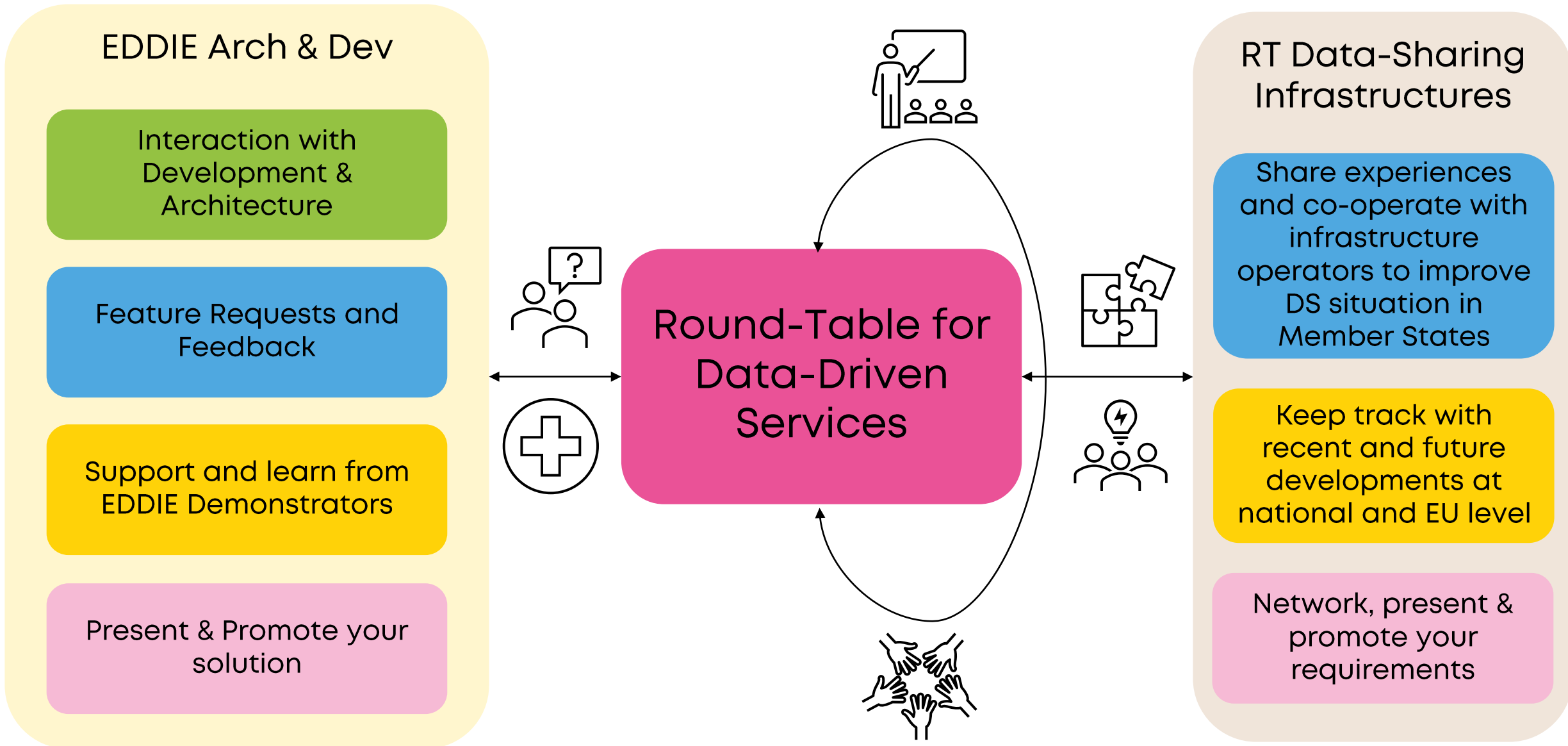
Sign up for our newsletter to stay up-to-date with the latest news and updates.

[Subscribe now!](#)

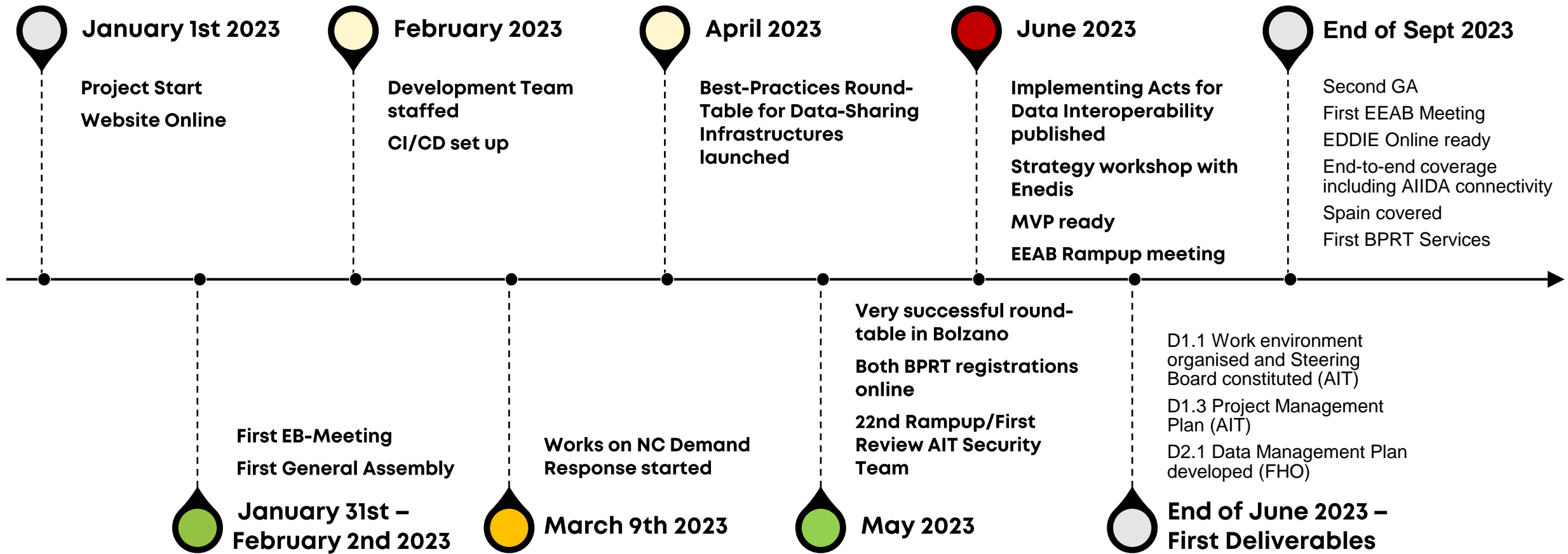
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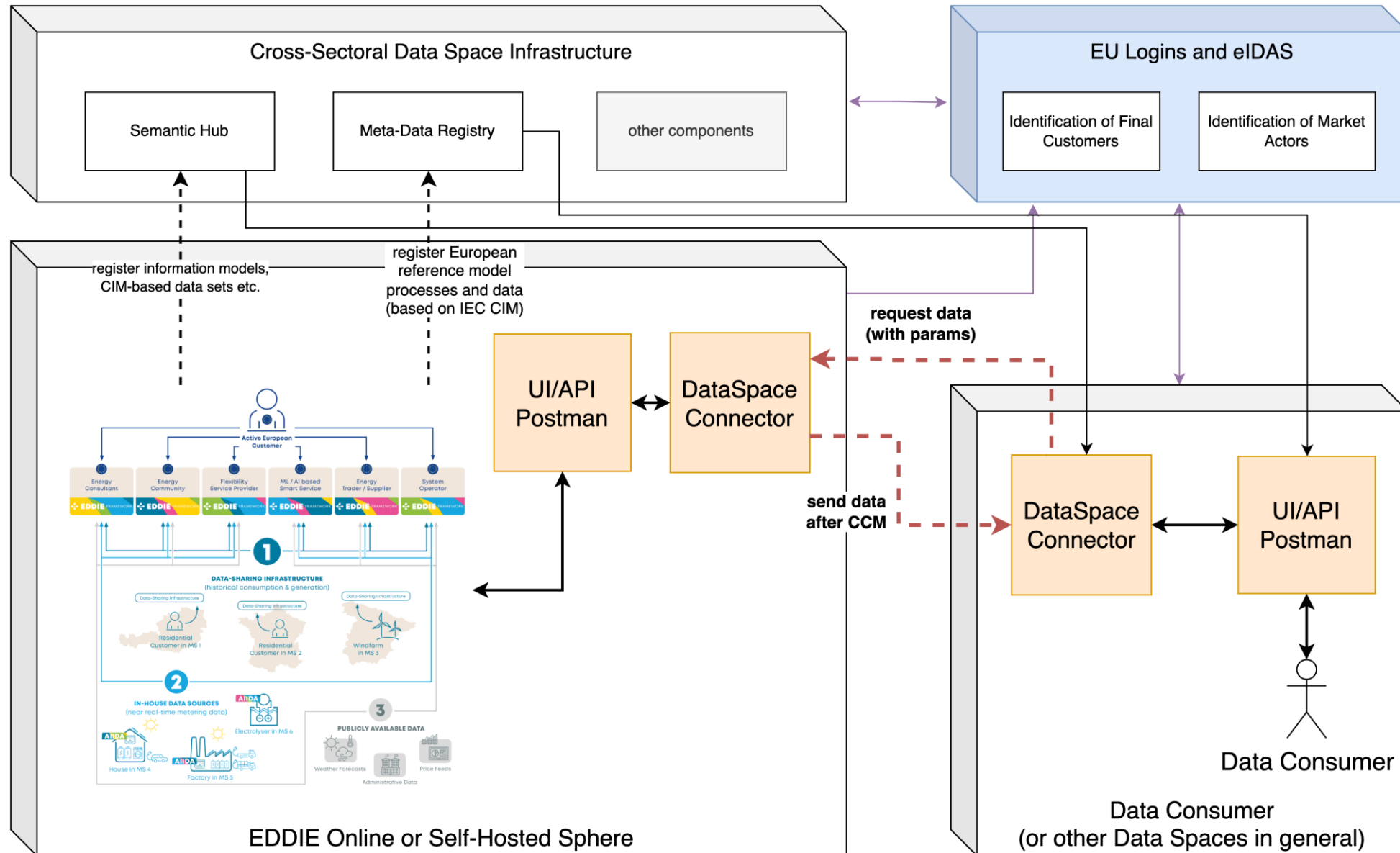
News Partners

 This project has received co-funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101069510

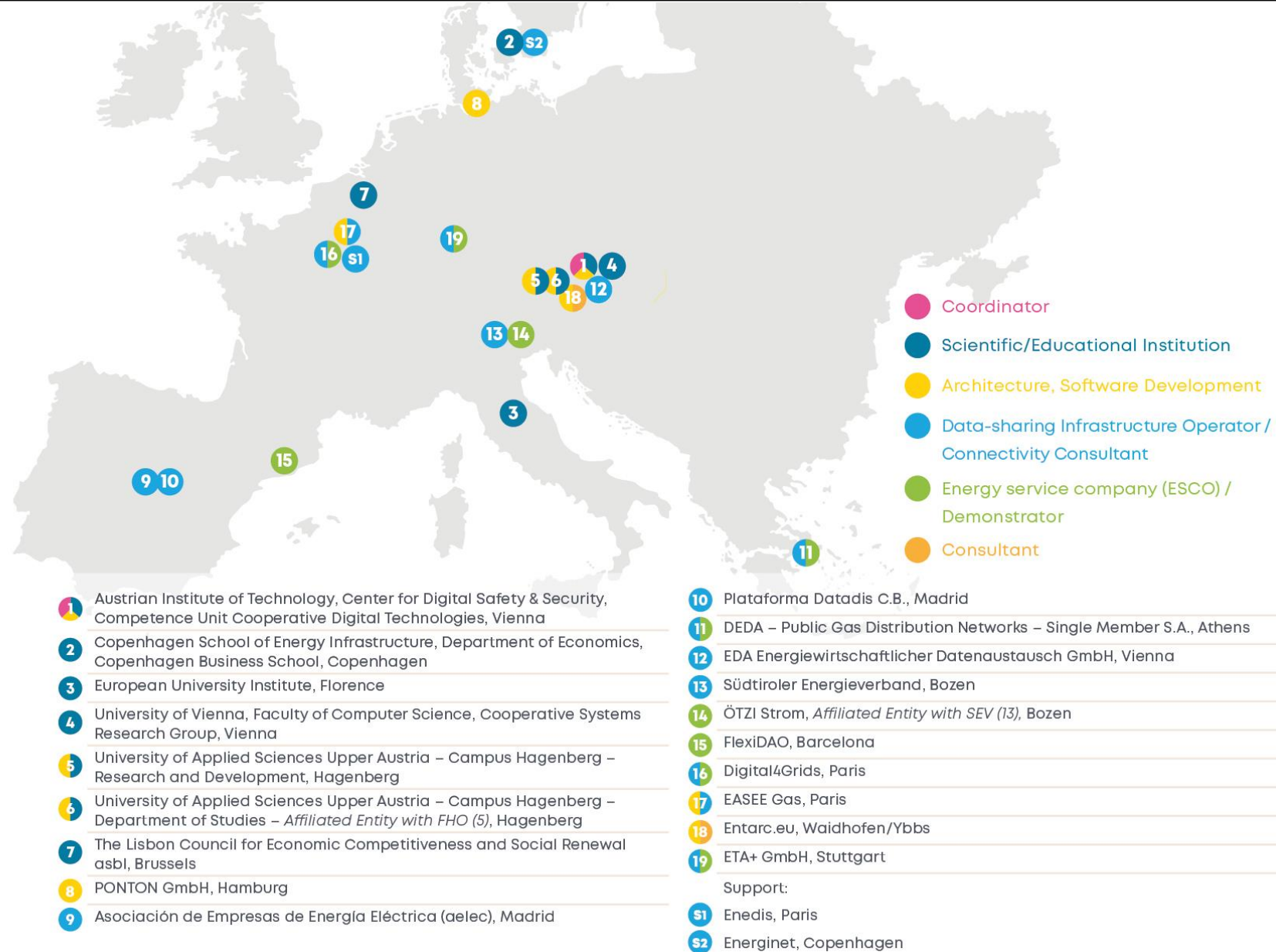


# EDDIE OVER TIME – FIRST 100 DAYS CAMPAIGN





# Annex



# EDDIE DEVELOPMENT

## Initial Architectural Schema

## MVP1 Scope

