



FLEXICIENCY



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Outline

- ❑ Relevance in the evolving EU context and expected impact
- ❑ Overall concept and data management architecture
- ❑ FLEXICIENCY EU Market Place as an instrument for data exchange in EU





Relevance in the EU context

Political determinations for customer engagement and market transformation



- ✓ **Data accessibility** to information, with higher granularity and at larger scale
- ✓ **Common language at EU level** to accelerate flow of data and encourage exchanges
- ✓ **Interoperability and standardization** to enable replicability
- ✓ **Higher market competition and openness**





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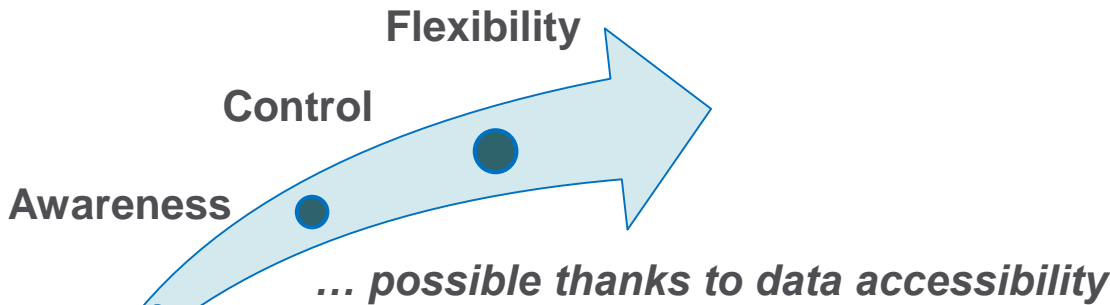
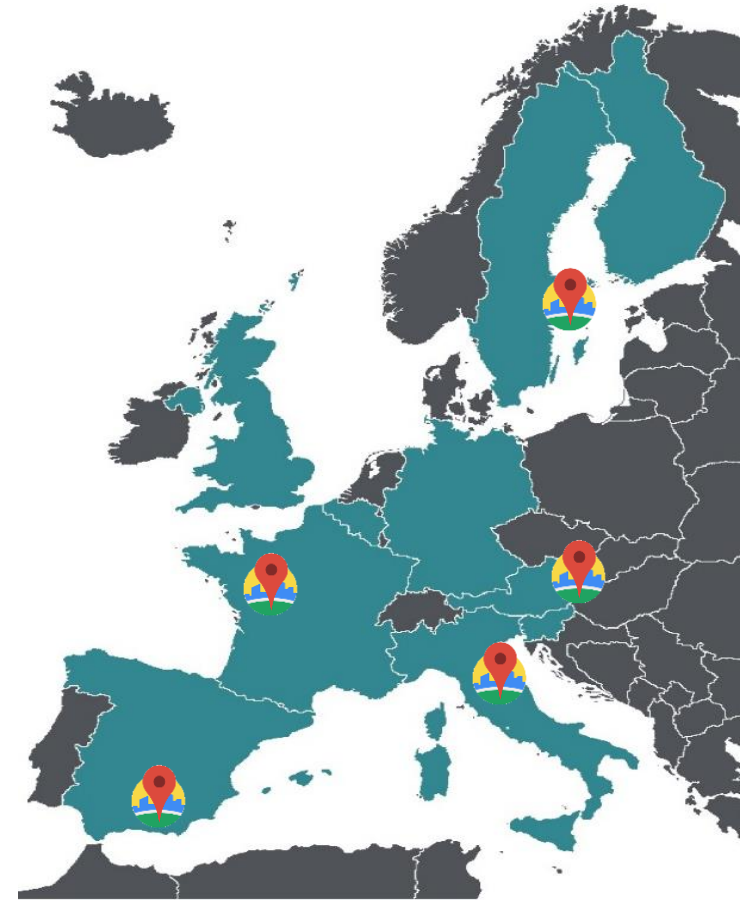
Bringing together relevant DSOs, Retailers and Market Players in Europe

Budget: 19,1 M Eur (13,9 M Eur funded by EU)

Duration: 4 years (2015 – 2019)



To facilitate **novel services** in the electricity markets, **based on the provision of metering data** by DSOs **accelerated by a EU Market Place**



e-distribuzione | Project Coordinator

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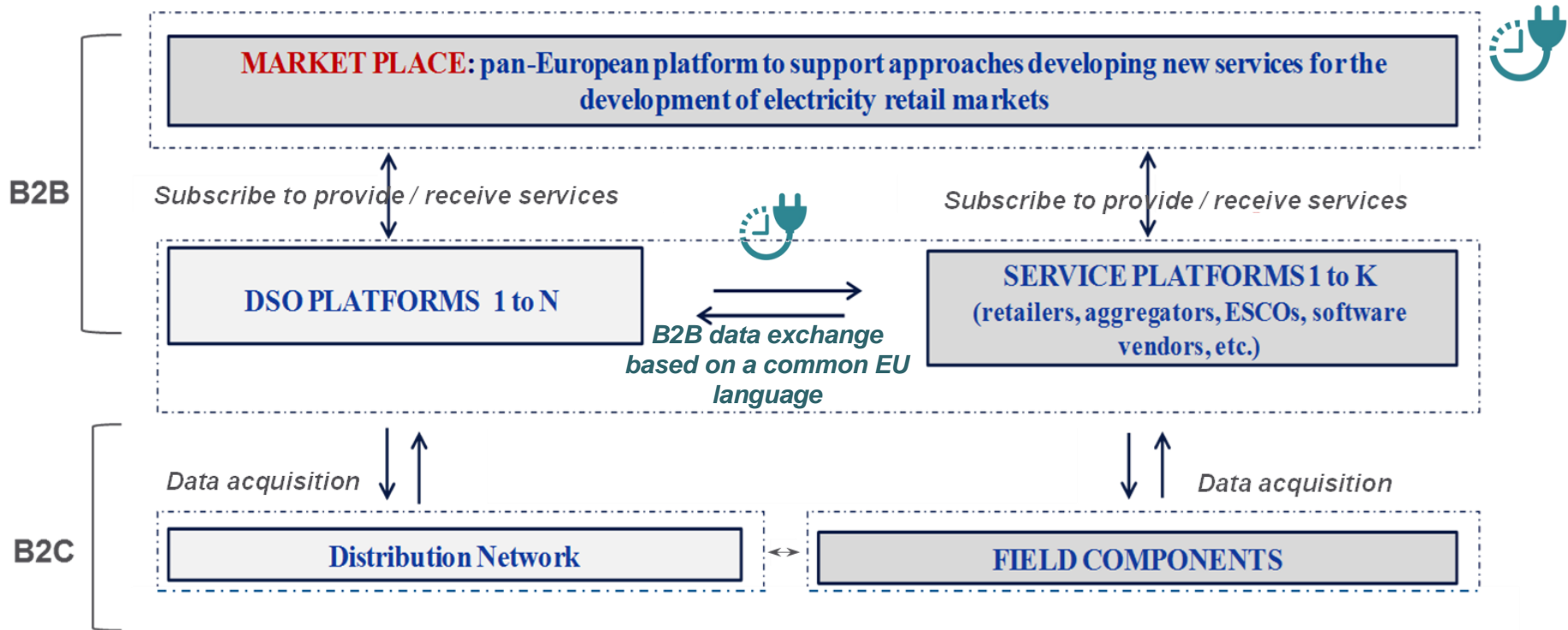




FLEXICIENCY EU Market Place

Technical model adaptable all over EU to facilitate data exchange

Standardized B2B interactions across Europe, addressing a common language and technical principles for the exchange of data in EU





An instrument for data exchange across EU



Metering Data

Service providers able to **request metering data** from DSOs in diverse control zones (**no need to know the DSO**)



B2B Service exchange

Service providers able to **exchange services at EU level** such as: data provision (individual aggregated, etc.), energy and flexibility services

EU market place

Contact Point for business deals between stakeholders of the electricity retail markets



Service catalogue management (service registration, lookup, publish/request/subscribe)



Expose data

Asset owners make available data (**not only metering data**) for providers to build services (**with customer consent**)



P2P communication

Data flows by peer to peer communications, i.e. MP is **not a data hub but a single 'contact point'** (with decentralized data storage)

A prototype able to accommodate in a single platform services (and data) provided by regulated and unregulated players under complementary set up.





EU MP at a glance

EU Market Place

HOME FEATURES PURPOSE LEGAL CONTACT HELP STAKEHOLDERS AND COMMUNITY

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Find services ...

Home
FLEXICIENCY EU Market Place / Home

Welcome to
FLEXICIENCY EU Market Place

Regulated Flexiciency services
Explore, search and consume 4 published services.

Unregulated Flexiciency services
Explore, search and consume 10 published services.

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Log in

My messages

My integrations

My profile

DSO - Data producer

Name
DSO - open API

Description
Provision of historical aggregated data in France, on electricity consumption, generation

Additional information (URL)

Usage details

Period

Is customer consent required?

Localization

Map Satellite

Find a place ...

Service category
Regulated aggregated data provision

Service subcategory
Default

Quantity
Energy consumption
Energy generation
Power

Time step
1 minute
10 minutes
15 minutes
30 minutes

Aggregation level
None
Country
City

Aggregation method
Sum
Mean

Is customer consent required?

Localization

Quantity

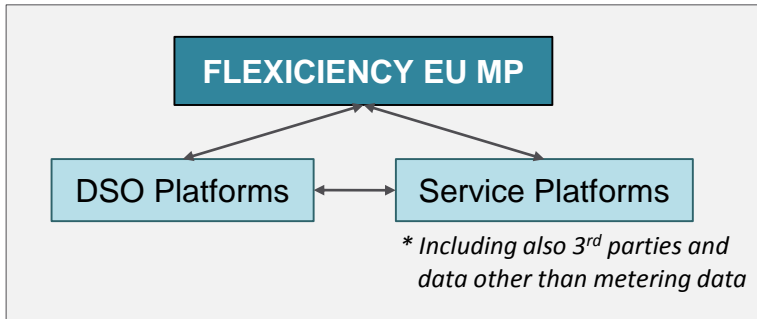
Time step

Aggregation level

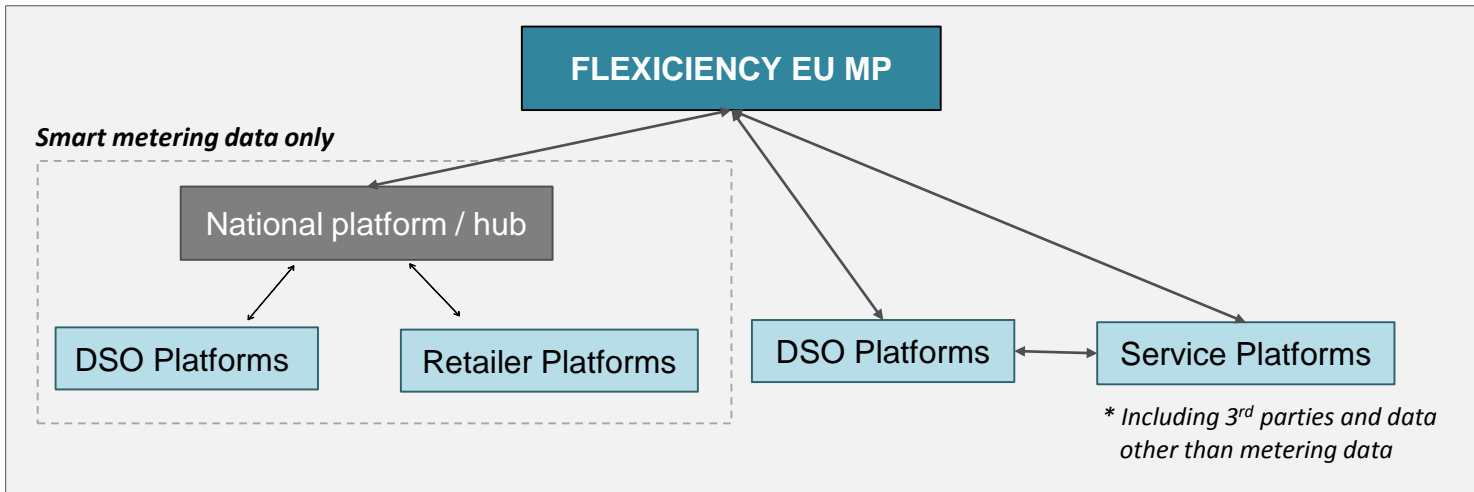
Aggregation method



A flexible prototype to accommodate different conditions and future evolutions



Beyond the project implementation, the MP could be a **viable instrument for the exchange of data in Europe** also in combination with (ongoing) regulatory and market evolutions



In any case, neutrality and non discriminatory access are fundamental requirements





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or visit the project website:

www.flexiciency-h2020.eu

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