

THE 23rd INTERNATIONAL CONFERENCE AND EXHIBITION ON ELECTRICITY DISTRIBUTION

0631 - OPENING UP FOR A MORE COMPETITIVE ENERGY MARKET WITH NEW ENERGY SERVICES BY MAKING "REAL TIME" METERING DATA ACCESSIBLE TO MARKET PLAYERS

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energy services demonstrations of demand response, FLEXIbility and energy effiCIENCY based on metering data



Overall Objective

To demonstrate that the deployment of novel services in the electricity retail markets can be accelerated thanks to an open EU Market Place for standardised interactions among all the electricity stakeholders, opening up the energy market also to new players at EU level.

Accessibility of smart meter data made available by DSOs in "real-time" to all actors

Development of a **standardized** environment and APIs for services and data exchange at EU level

Recommendation for Regulators and Policy makers towards efficient energy markets

START

4 YEARS PROJECT

END

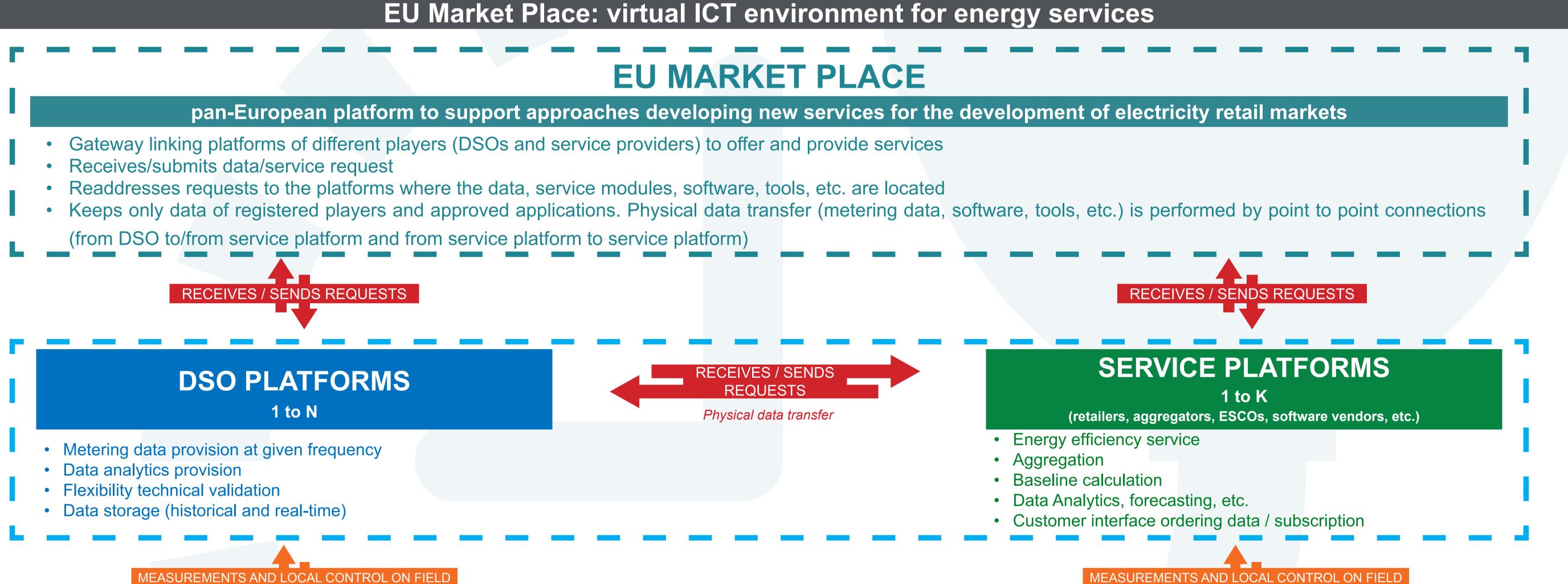
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01/02/2015

2020

BUDGET: 19,1 M€

EC FUND: 13,9 **M**€ 31/01/2019



MEASUREMENTS AND LOCAL CONTROL ON FIELD FIELD COMPONENTS **DISTRIBUTION NETWORK Customer interfaces** Meters Sensor **GRID/DG/EV** stations Meter interface **Energy Box Smart appliances**

5 large scale Demonstrations

DEMO 1: ITALY

energy Advanced Demonstration (5.000)monitoring LV customers) control services (500 LV customers) in the area of Milan.

DEMO 2: FRANCE

Validation of advanced monitoring and local control (demand response) services and of the European Market Place cross countries: a UK-based player active in DR operating in the French market.

DEMO 3: SPAIN

Validation of added values services in the case of a particular consumer, i.e. a municipality (City of Malaga).

DEMO 4: SWEDEN

Demonstration of Advanced Energy monitoring with alerts and/or Energy Advice on a larger customer group. Local Energy control services on a smaller group in the Stockholm area.

To provide advanced monitoring services (where no smart-meters have been deployed) and demonstrate aggregation of flexibility through simulations. To demonstrate DR and DG flexibilities of commercial and industrial customers by an independent

EU aggregator.

DEMO 5: AUSTRIA

18 Partners in 10 EU countries



































