

Commission

for Research & Innovation

Horizon 2020 European Union funding for Research & Innovation

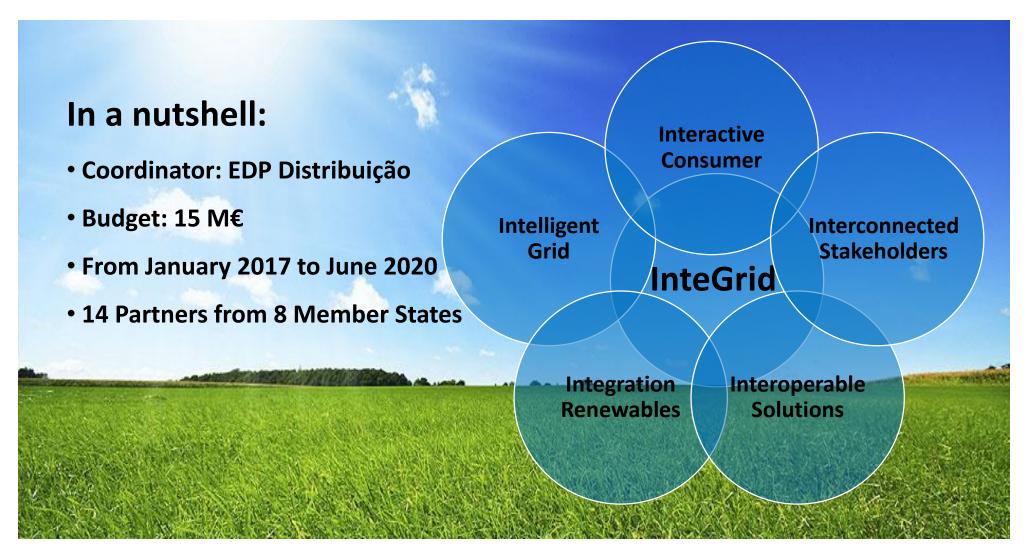
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Demonstration of Intelligent grid technologies for renewables Integration and Interactive consumer participation enabling Interoperable market solutions and Interconnected stakeholders

6th Innogrid2020+ Brussels, June 27th 2017

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InteGrid Consortium





InteGrid Main Objectives







InteGrid Demos

Lisbon District, Portugal: "From smart grid to disruptive business models"

- Large-scale, predictive and integrated management of the distribution grid aiming at combining new DER with existing assets, including customer's flexibility
- Demonstration of the combined operation of DER and advanced grid automation



Ljubljana, Slovenia: "Self-sustainability facilitation"

- Integration of existing systems like demand response, EV management, batteries and SCADA into a micro-grid concept that will support self-sustainability of residential prosumers, business prosumers or communities
- Upgrade VPP with LV/MV optimization, control and forecasting algorithms and integration with market hub for exchange of flexibility and validation

Stockholm, Sweden: "Consumer engagement towards sustainability"

- City environment with high load factor and demand on reliability
- Generation 2 smart substations

STADEN

MOBILEN

 DR with engaged prosumers by providing energy forecasts that facilitate home automation and better decision (incl. contextualized feedback)

ELLEV

inte<mark>grid</mark>

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KTH

InteGrid Major Areas of Impact

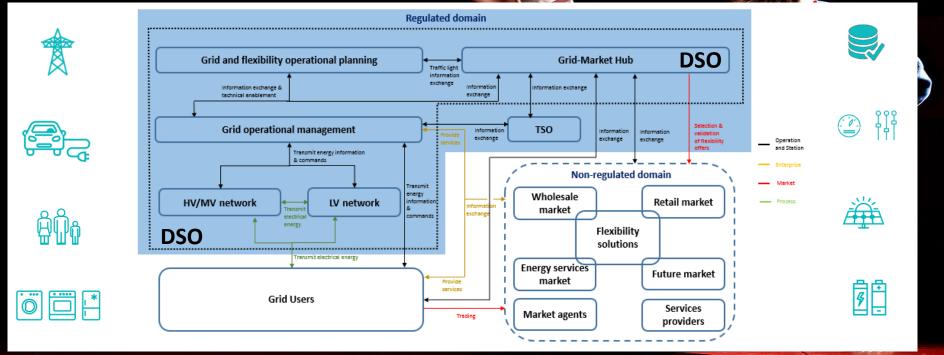


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InteGrid Grid-Market Hub

Grid – Market Hub [Deliverable 6.1]: defined as "... a solution to support <u>the provision of services in a</u> <u>neutral standardised way</u> between DSOs (primary actor of this central platform) and stakeholders like retailers, TSOs, aggregators, group of consumers and energy services providers."

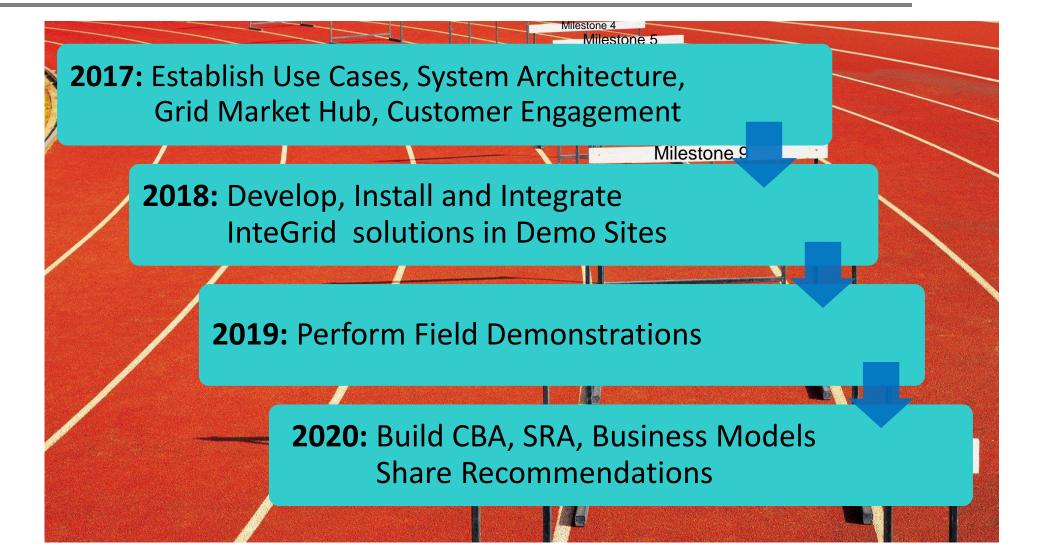


Is an **enabler of non-regulated services** from service providers that can grow around the gmhub ecosystem, including both **wholesale and retailing markets**, as well as energy services trading like **energy efficiency, consumer engagement** and **gamification** and **forecasting**

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InteGrid Next Steps...



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Thank you!

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