

Experiencia de CITCEA en proyectos europeos

Ejemplo: EMPOWER H2020

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The project: EMPOWER H2020

local Electricity retail Markets for Prosumer smart grid pOWER services



Call: “Competitive Low-Carbon Energy” of the HORIZON 2020 work programme 2014-2015

Topic: “Modernising the European electricity grid: LCE 7 – 2014: Distribution grid and retail market”

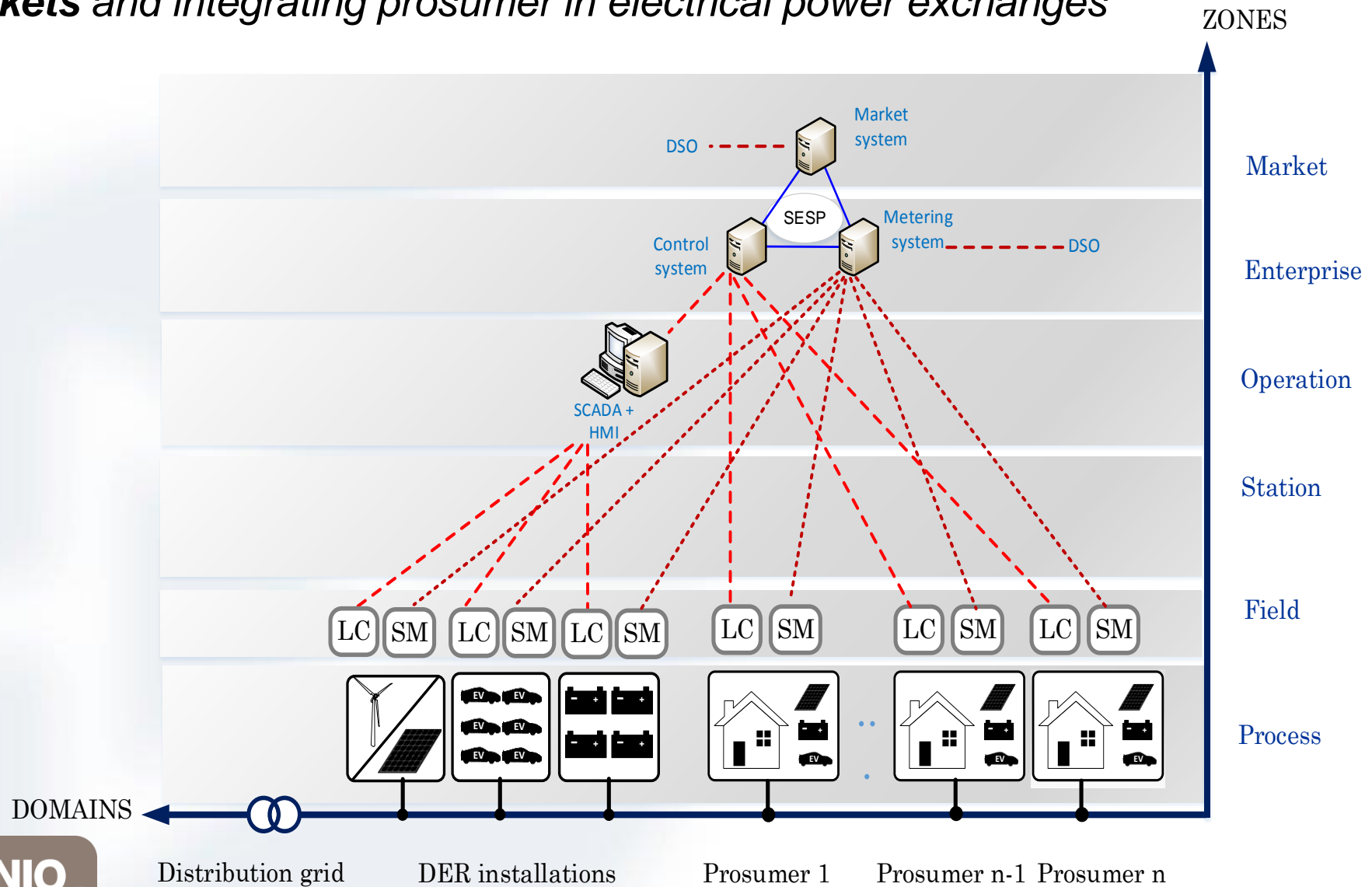
The context

“Decentralized renewable energy production and storage will soon revolutionise the energy sector.”

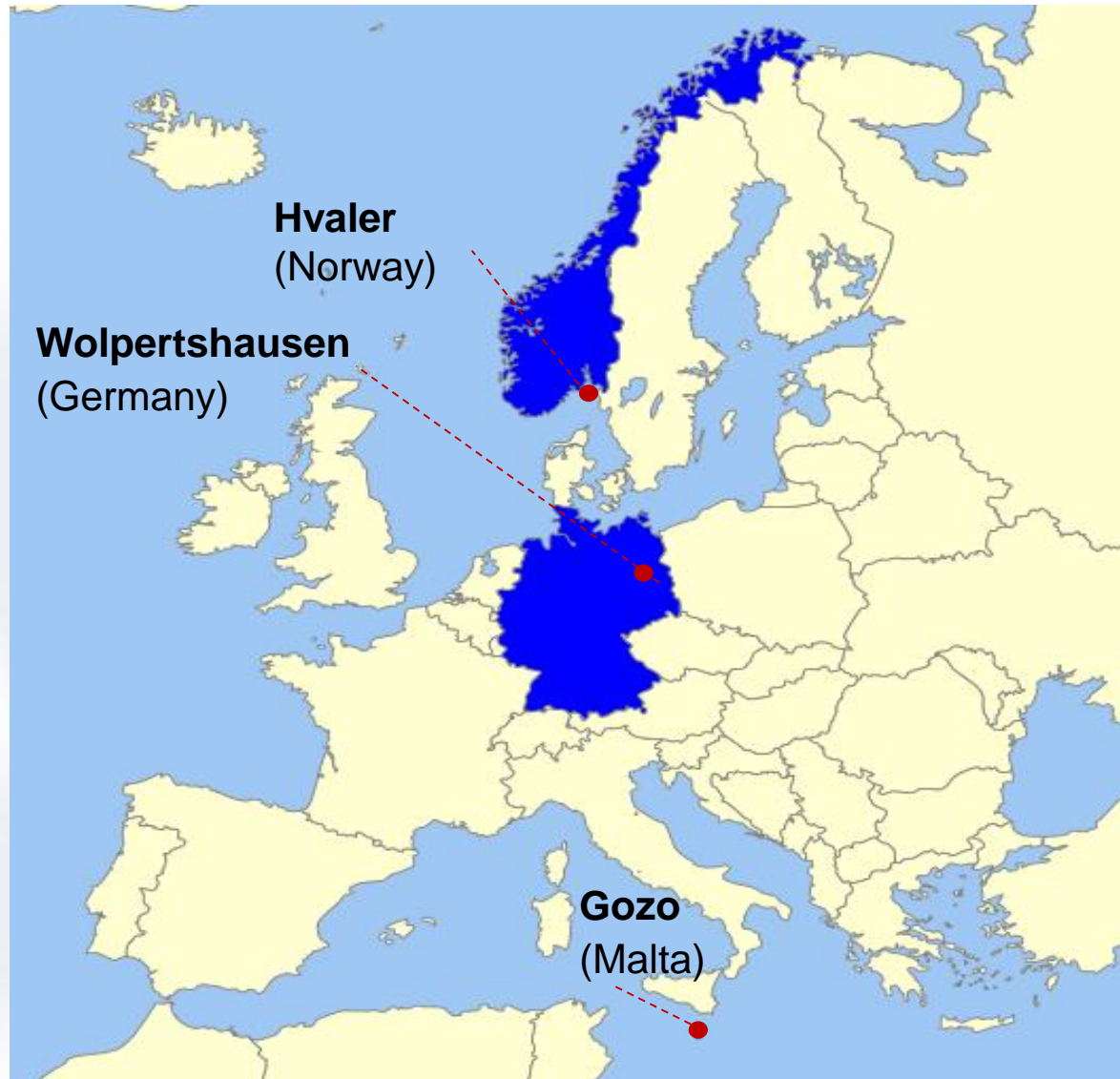
*Our ambition: “Develop and verify a local market place and innovative business models, including operational methods to **encourage micro-generation and active participation of prosumers to exploit the flexibility that this creates, for the benefit of all connected to the local grid.**”*

The achievement

Design and development of a **trading platform** for promoting **local electricity markets** and integrating prosumer in electrical power exchanges



Real implementation



Hvaler pilot site

The Sandbakken site: a recycling facility owned and operated by the Municipality of Hvaler (Norway)

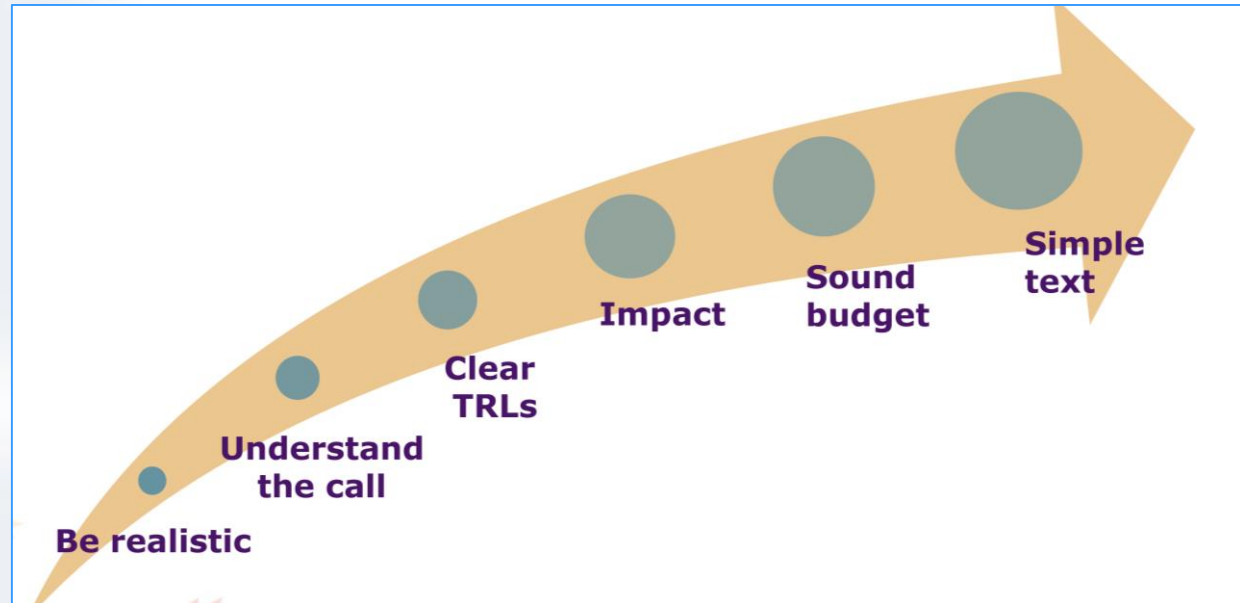


Generation:
 PV (1200 m², 175 kW_p)
 Wind (1 mill, 3 kW_p)
Annual production: est. 169 MWh
Consumption: est. 200 MWh
Peak Load: est. 300 kW

Transformer capacity: 800 kVA
Supply Voltage: 400V TN
Battery Storage: 240 kWh
EV Charging: 10 Terminals
Customers: 1

Fases del proyecto: Preparación

- Topic: Participant Portal
 - Specific Challenge
 - Scope
 - Expected Impact
 - TRL
 - Budget
- Consortium
- Trabajo colaborativo
- Consultores externos
- Ayuda CTT



6 steps to success. Source: European Commission

Fases del proyecto: Ejecución

- CTT: Proyecto competitivo
- Gestión del proyecto compleja
 - Reuniones mensuales vía Skype con todo el consorcio
 - Reuniones presenciales con todo el consorcio
 - Reuniones bilaterales.
- Reporting interno
 - Gasto en material
 - Personal

Fases del proyecto: Cierre (reviews)

- Reporting: CTT
 - Personal: Time sheets (Planificación necesaria!)
 - Material
 - Auditoria
 - Viajes con Agenda
- Reviews
 - Report escrito
 - 3 FP7/ 2 H2020
 - Officer: Responsable en la EC o en INEA del proyecto
 - Presentación
 - Defensa del proyecto

Thank you for your attention

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