

# A European project that is changing the way energy is consumed.

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# interconnect

interoperable solutions  
connecting smart homes,  
buildings and grids

H2020 - 857237

A European project that is changing  
the way energy is consumed.

[www.interconnectproject.eu](http://www.interconnectproject.eu)

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## Plan :

- 1. InterConnect, innovation at the service of energy.*
- 2. From consumer to consumer-actor.*
- 3. Energy communities, a win-win approach.*

## *1. InterConnect, innovation at the service of energy.*



Democratising efficient energy management: flexible and interoperable ecosystem with a people-centred approach

### **Objectives:**

- Reduce customers' bills (consumption)
- Reducing the environmental impact of energy consumption
- Develop the use of renewable energy

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## A European project

TOTAL French pilot + all French actors 11.5% of the total project.



- Greece**  
Large residential community with smart appliances and EV integration
- France**  
Residential & non-residential, with tertiary buildings and apartments
- Portugal**  
Residential & geographically widespread tertiary buildings
- Netherlands**  
Residential & non-residential buildings
- Germany**  
Groups of residential buildings and hotels
- Belgium**  
residential and tertiary buildings in communities of multi-energy vectors
- Italy**  
Residential social housing

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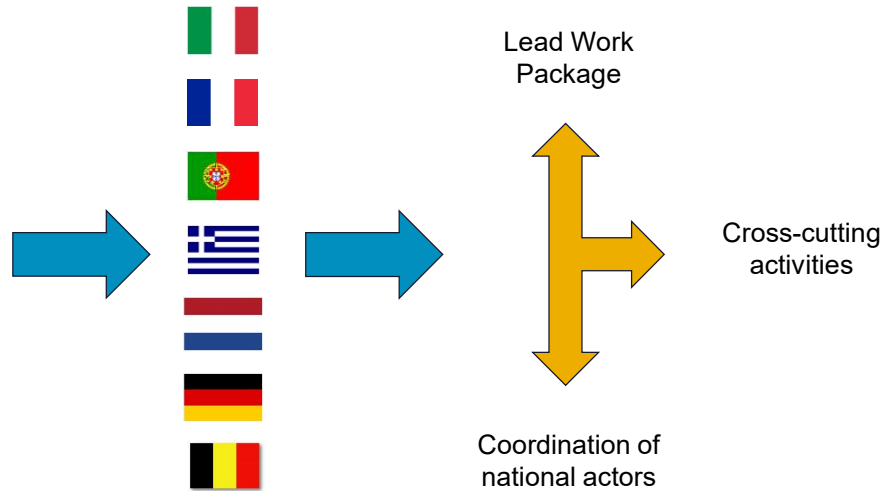
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## A complex organisation



WP Number <sup>9</sup>	WP Title
WP1	Use Cases, Business Models and Services
WP2	Domain Interoperable IoT Reference Architecture
WP3	Semantically Interoperable Components, Applications and Devices for Smart Homes and Buildings
WP4	Smart Grids Framework for an Interoperable Energy System
WP5	Digital Platforms and Marketplace
WP6	Preparation, Coordination and Monitoring of Pilots
WP7	Large-scale Demonstration and Integration of Solutions
WP8	Fostering Innovation Through Bottom-up Projects
WP9	Sustainability of the InterConnect Project
WP10	Communication, Dissemination and Exploitation
WP11	Project Management and Coordination
WP12	Ethics requirements



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# 53 European partner companies



## Belgium



## Germany



## Portugal



## France



## Netherlands



## Greece

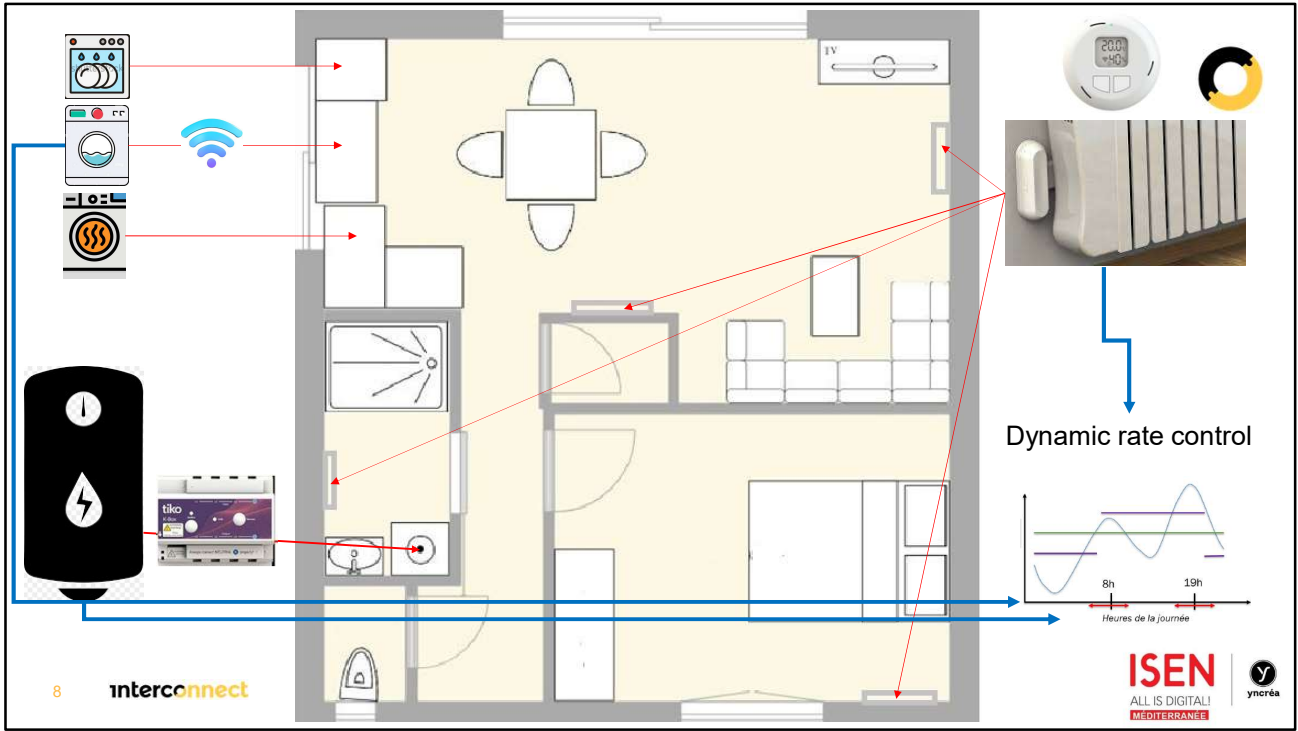


## Italy



## Transversal Partners







## 2. From consumer to consom'actor



3 000 households



30 Public buildings



30 commercial premises



30 charging stations

25 sites in Europe

### 1 The challenge of recruitment

All this in a context of great diversity :

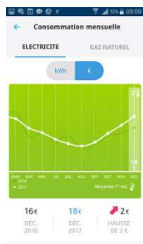
- Climatic ;
- Cultural ;
- Social ;
- Economic.

*The management of change*

## 2. From consumer to consumer-actor



### 2 Awareness raising



Monitoring consumption

Achieving savings



Adaptation - conversion



Change management

## 2. From consumer to consumer-actor



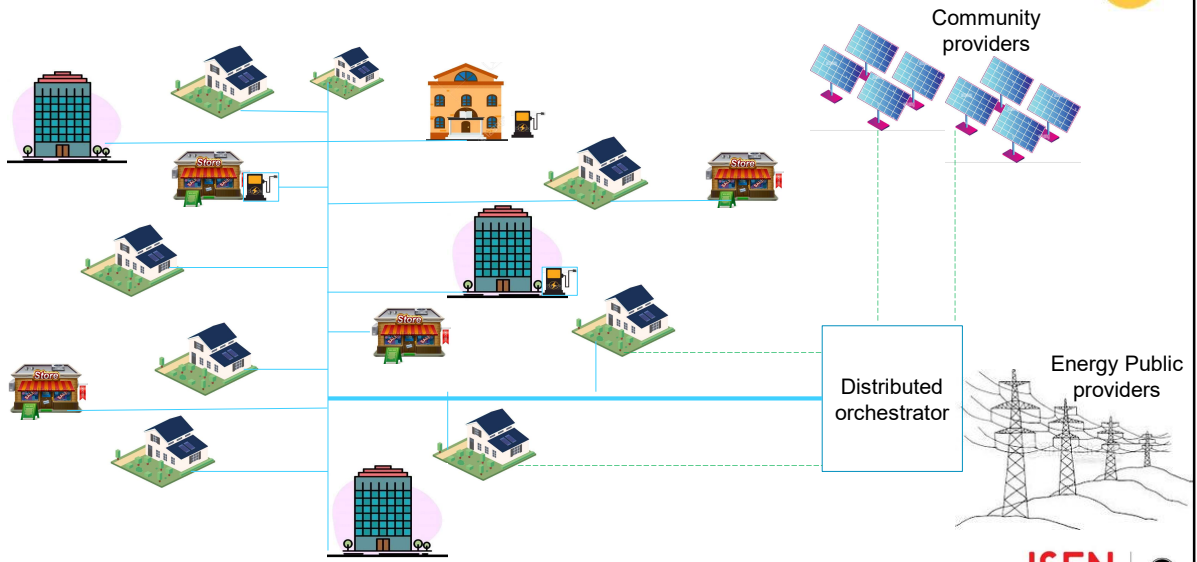
### 3 Acting on it

*The consumer-actor is a consumer who reclaims the act of consumption by using his or her purchasing power to protect the values and causes he or she defends.*

*The 2 to 3 years that the experimentation lasts are also an opportunity for the end user to get involved in the project through personal or collective actions:*

- Behaviours ;
- Investments;
- Improvements.

### 3. Energy communities, a win-win approach.



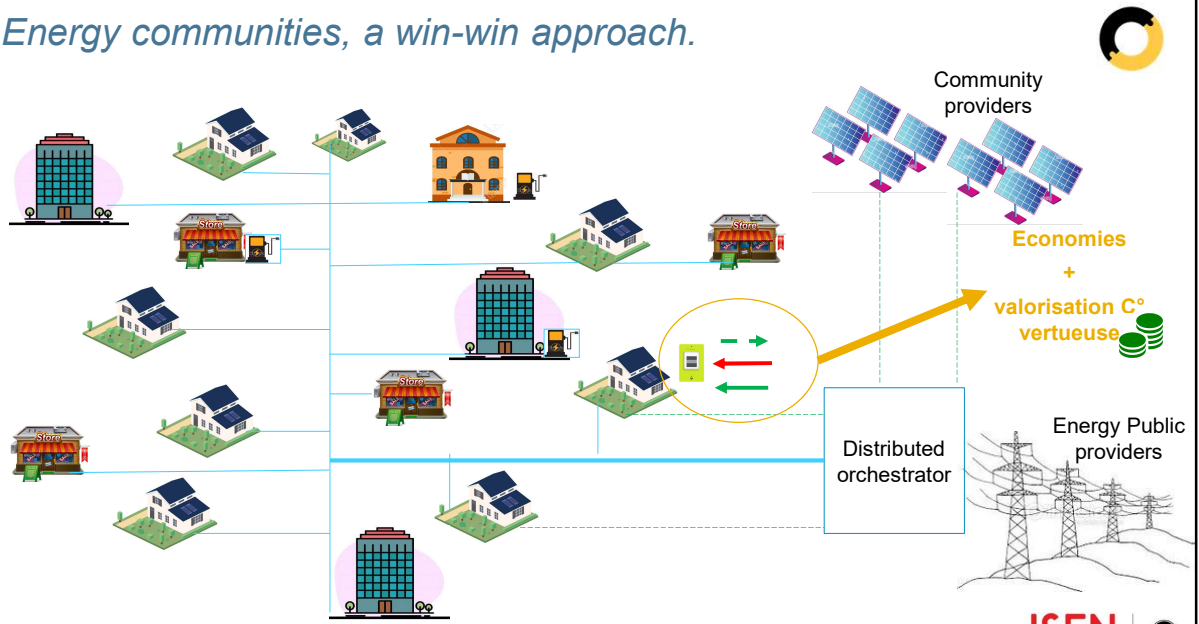
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### 3. Energy communities, a win-win approach.



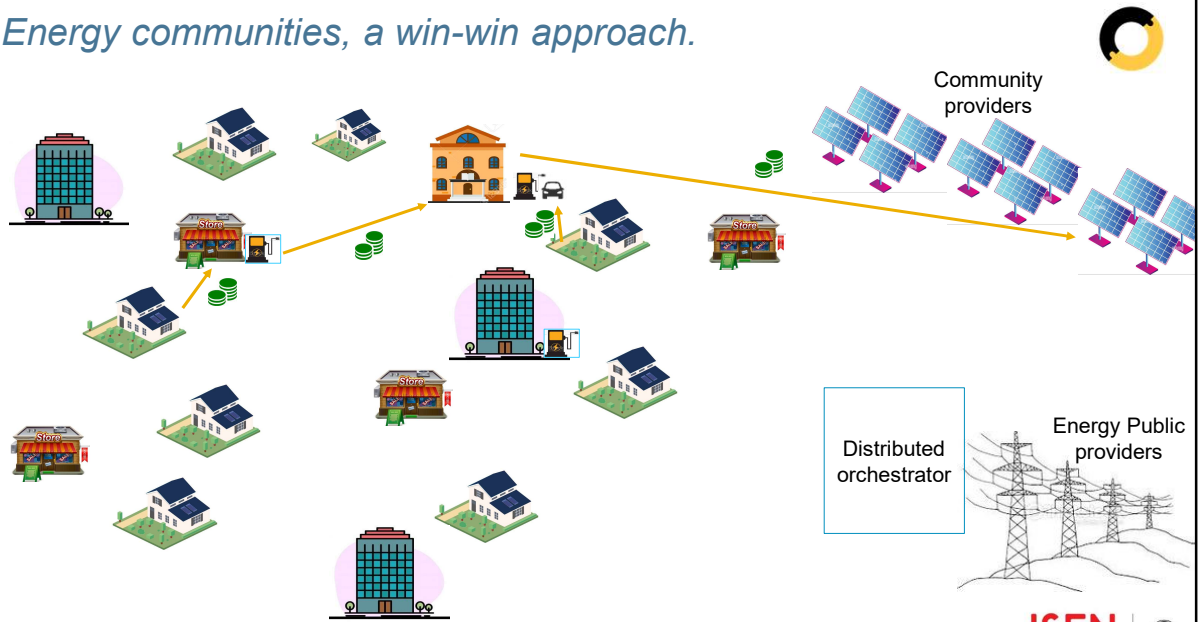
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### 3. Energy communities, a win-win approach.



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