

# ADDRESS General Overview

## ADDRESS INTERNATIONAL WORKSHOP ACTIVE DEMAND: THE FUTURE OF ELECTRICITY

Paola Petroni, Enel Distribuzione

Paris, June 9th 2010

# active demand

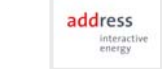
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interactive  
energy



The research leading to these results has received funding from the European Community's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 237643

## The ADDRESS story

ENERGY-2007-1-RTD, AREA ENERGY.7.1:  
"Development of interactive distribution energy networks"



proposal submitted to EC



Kick Off Meeting



International Workshop

DEC  
2006



writing the  
proposal

MAY  
2007



negotiation  
and approval

JUN  
2008



working together

JUN  
2010



delivered

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## Project identity

ADDRESS is a large-scale, EU 7<sup>th</sup> Framework Programme, Integrating Project



**The target is Active Demand:**

active participation of domestic and small commercial consumers in the power system markets and the provision of services to the different participants



**16 M€** total budget, **9M€** from EC



Coordinated by **Enel**  
Technical Management by **EDF**



June 2008



May 2012

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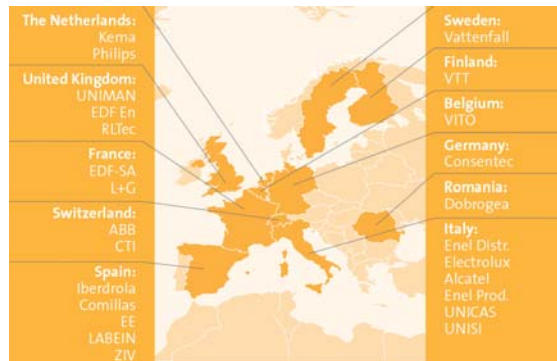
## The Consortium



25 partners, 11 European countries

- 40 % - Research centres & Universities
- 30% - Utilities (Distribution Operators, energy supply and retail companies)
- 30% - Manufacturers (electric equipment, home appliances & white goods, communication & ICT)

> 200  
people  
involved



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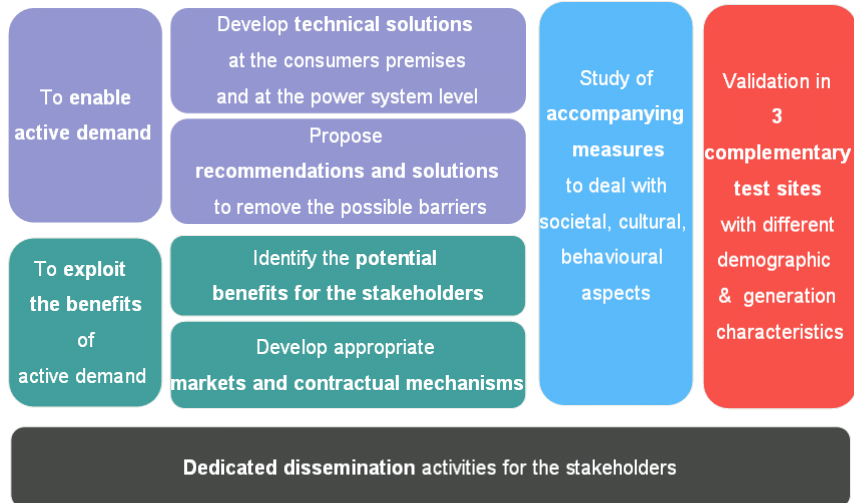
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## The Group of users and stakeholders


Contributing to understand concerns, aspiration and benefits of active demand



## Objectives









## The plan

		WP1	WP2	WP3	WP4	WP5	WP6	
JUN 2008	<b>VISION DEFINITION</b> Concepts, functional requirements and scenarios  <b>DEVELOPMENT &amp; LAB TEST</b> Strategies, algorithms, prototypes  <b>DEMONSTRATION</b> Validation & assessment of results							
DEC 2009								
JUN 2011								
JUN 2012								

consumers' engagement

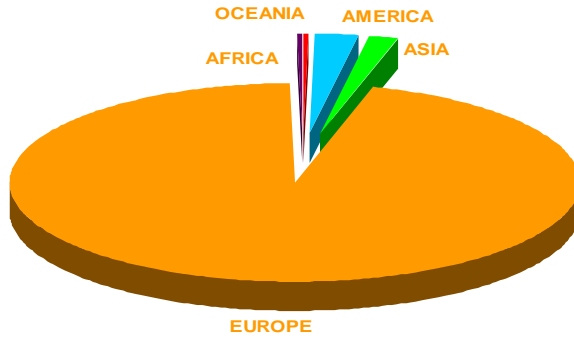
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## The achievements after two years

<b>Vision</b>		Conceptual Architecture Scenarios
<b>Interaction</b>		Functional Specifications
<b>Reliability</b>		Functional Specifications
<b>Communication</b>		Communication System Requirements
<b>Engagement</b>		Potential Benefits and the Potential Acceptance Challenges
<b>Proof</b>		Project Outcomes to be Validated
<b>Understanding</b>		30 international events, 4 scientific publications, involvement of university students, utilities and stakeholders

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# The ADDRESS International Workshop



A worldwide workshop: all the five continents...

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Active Distribution networks with full integration of Demand and distributed energy Resources

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events & news

Workshop Paris 2010

ADDRESS is a large scale integrated Project co-funded by the European Commission under the 7th Framework Programme, in the Energy area for the "Development of Interactive Distribution Energy Networks".

ADDRESS stands for Active Distribution network with full integration of Demand and distributed energy All Sources and its target is to create the Active Demand in the context of the smart grids of the future. In other words, the Active participation of small and commercial consumers in power system markets and provision of services to the different power system participants.

ADDRESS is framed in the SmartGrids European Technology Platform, whose vision for the electricity networks of the future may be expressed in just 4 words: flexibility, accessibility, reliability, economy.

The project started on **June 1st 2008** and will last 4 years (2008 - 2012).

It is carried out by a Consortium of 25 partners from 11 European countries, carefully selected to meet the needs of the project in terms of skills, competences and understanding of the problem and possible solutions, each of them bringing specific knowledge of at least one aspect of the supply chain. Enel Distribution is the Coordinator.

The total budget is 18 ME, with 9ME financing by the European Commission.

Download

Project brochure

(500 KB)

ADDRESS 1.1 Description 1.1

(3.5 MB)

ADDRESS Coordinate

(3.5 MB)

(500 KB)

(3588 KB)

Sustainable Energy Europe Campaign

Official Partner

SmartGrids European Technology Platform

The vision for the European electricity networks towards 2020 and beyond

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