



**NOBEL**  
NEIGHBOURHOOD ORIENTED  
BROKERAGE ELECTRICITY  
AND MONITORING SYSTEM

# Newsletter

Issue nr. 2, November 2011

**2**  
VOLUME



EUROPEAN COMMISSION

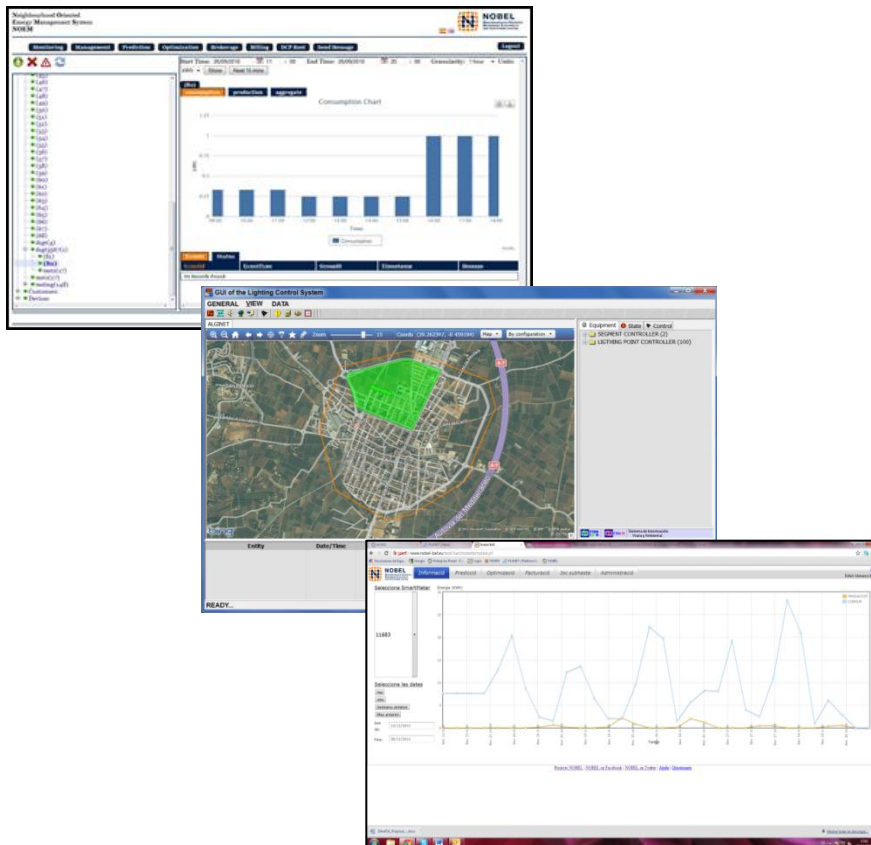
## U S E R S   A P P L I C A T I O N S

The achievements of the project during this period have been predominately based upon the work related to the design and development of three end users applications in order to validate the neighbourhood oriented energy management approach tackled in NOBEL project. These are the applications developed in NOBEL.

**NOEM** (Neighbourhood Oriented Energy Monitoring and Control System): The NOEM will provide several functionalities targeting the administrator of the new infrastructure and providing complementary visualisation based on the IEM services.

**NOPL** (Neighbourhood Oriented Public Lighting Monitoring and Control System): The NOPL is the application developed within NOBEL project to monitor and control the consumption of electricity in real time and adapt the settings of a public lighting system.

**BAF** (Brokerage Agent Front-end): The BAF system is a set of visual tools that allow the user to perform various tasks on a single smart meter basis.



A series of trials will take place in the city of Alginet in order to demonstrate the final users' application "BAF". About 250 users of the Electric Cooperative of Alginet will have access to this application in order to demonstrate the operation of the services.

## C O N T E N T S

### Users Applications

- NOBEL workshop @ Federation Electric Cooperatives Valencia Region**
- Partner Profile – SAP**
- Upcoming and Recent Events**
- Networking with other EU initiatives**

## N O B E L w o r k s h o p   @ F e d e r a t i o n E l e c t r i c C o o p e r a t i v e V a l e n c i a R e g i o n

The project NOBEL organized the Workshop: "NOBEL: An innovative system for energy management" the October 20, 2011. This workshop took place in Castellar (Valencia, Spain) in the context of the annual meeting of the Federation of electric cooperatives in the Valencia Region. More than 30 participants from different electric cooperatives of the Valencia Region attended this meeting.

Presentations about the general aspects of the project were carried out. Also, ETRA showed demonstrations of the applications developed during the project: NOEM, NOPL and BAF.





## PARTNER PROFILE - SAP

SAP helps companies of all sizes and industries run better. From back office to boardroom, ware-house to storefront, desktop to mobile device, SAP empowers people and organizations to work together more efficiently and use business insight more effectively to stay ahead of the competition. We do this by extending the availability of soft-ware across on-premise installations, on-demand deployments, and mobile devices. We believe that the power of our people, products, and partners unleashes growth and creates significant new value for our customers, SAP, and, ultimately, entire industries and the economy at large. Our mission is to help companies of all sizes and industries to run well. Our vision is to help the world run better.

Headquartered in Walldorf, Germany, SAP is the market leader in enterprise application software. Founded in 1972, SAP (which stands for "Systems, Applications, and Products in Data Pro-cessing") has a rich history of innovation and growth as a true industry leader. SAP applications and services enable more than 109,000 customers worldwide to operate profitably, adapt continuously, and grow sustainably. With revenue (IFRS) of €12.4 billion for the year 2010, SAP has more than 53,000 employees and sales and development locations in more than 75 countries worldwide.

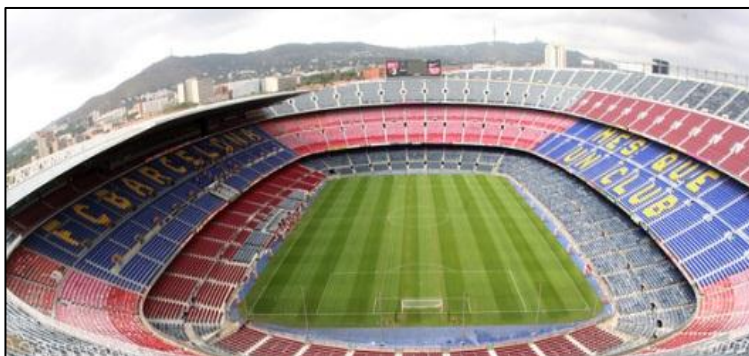
SAP Research is the technology research department of SAP and as an integral part of SAP's R&D activities, SAP Research is responsible for identifying, researching, understanding, developing and evaluating new and emerging technologies, processes and e-business solutions that strategically influence the future of SAP business applications.

Within NOBEL SAP Research investigates innovative concepts towards future energy services for smart grid neighbourhoods.

## NETWORKING WITH OTHER EU INITIATIVES

The kick-off of NOBEL brother project BEAMS (Buildings Energy Advanced Management System) took place in the installations of the Camp Nou in Barcelona the 6th and 7th of October. BEAMS project, that will last 30 months, is coordinated by ETRA I+D and the consortium is formed by Barcelona Digital, Sodexo, Institut Fraunhofer, Thalit, University of Salento and Technical University of Athens.

BEAMS project strategic goal is to develop an advanced, integrated management system which enables energy efficiency in buildings and special infrastructures from a holistic perspective. The project will include an open interoperability gateway allowing the management of diverse, heterogeneous sources and loads, some of them typically present nowadays in spaces of public use. The main pilot site will be located in Barcelona in the "Camp Nou", the Football Club Barcelona (FCB) stadium.



## RECENT EVENT

NOBEL organized a panel session in the second **European conference and exhibition on Innovative Smart Grid Technologies (ISGT-EUROPE 2011)** that was held in December 5 – 7, 2011 at the Manchester Central Complex (United Kingdom).



The panel included not only the presentation of the NOBEL main service for neighbourhoods – the energy brokerage engine – but also the other third party services that enable the inclusion of the end-user in the grid, not only to provide for accurate information, but also to promote new business opportunities and technologies – e.g. electrical vehicle, balancing market.

NOBEL Project results have been also presented during this period in other events and conferences, such as **"16th Intelligent Systems Application to Power Systems" (ISAP 2011 Conference) in Crete, Computer Knowledge Building (CIB2011) in Sophia Antipolis and EUSEW 2011 in Brussels.**

## NEXT EVENTS

EUSEW 2012 will take place all over Europe and in **Brussels from 18 to 22 June 2012.**



Between 18 and 22 June 2012, hundreds of events organised in all parts of Europe will show, promote, discuss and celebrate renewable energy and energy efficiency - and you can be a part of it.