



Smart cities: Evaluation and case studies on energy efficiency

Presentation

In the last decade, many cities around the world have made a digitization effort (understood as the advanced automation and connectivity) of many public and private urban services with the aim of achieving greater satisfaction among their inhabitants and greater respect for the environment. This is what we call "smart cities".

However, a methodology for evaluating results is still lacking. We do not have an internationally accepted system of indicators and measures to allow us to know about the comparative progress of each and every one of them and which facilitates the establishment of the rigorous rankings that stimulate innovation.

This is why the Gas Natural Fenosa Foundation and the Regional Government of Cantabria have decided to devote their annual seminar to this issue.

The seminar has two parts. The first is conceptual and presents two systems of indicators and methodology for the quantified evaluation of smart cities, one developed years ago by professor Rudolf Giffinger of the Vienna University of Technology, and the other designed by two very experienced

Spanish engineers who teach at the School of Civil Engineering of the UPM: Rosa María Arce and Concepción Moreno.

The second part is eminently practical and will first of all present the Smart Client projects being carried out at Gas Natural Fenosa and follow that with a discussion of the experiences of three Spanish cities with very different characteristics: Málaga, Logroño, Hospitalet de Llobregat and Santander.

Throughout the seminar the focus will be on environmental sustainability, with energy efficiency, consumption and air emissions as key factors.

Aimed at

The seminar is especially aimed at technicians and professionals from:

- Town Councils and Municipal Groupings.
- Regional Governments.
- Integrated energy companies.
- Information and communication technology (ICT) companies.
- Construction companies.
- Architecture firms.
- Specialised engineering and consultants.
- Companies with expertise in town planning.
- Transport services companies.
- Vehicle manufacturers.
- Companies providing ICT systems.
- Waste management companies.
- Integrated water management companies.
- Distributed or decentralised power generation companies.
- Specialised researchers and university students.
- Civic and neighbourhood organisations.

Santander
October 11, 2017

Location:
Hotel Hoyuela

Address:
Avda. de los Hoteles, 7
39005 Santander

Registration:
www.fundaciongasnaturalfenosa.org
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#FGNFseminarios
@FundacionGNF

**Admission is free of charge,
upon registration, until all places
are occupied.**

Simultaneous translation:
Castilian /English.



Programme

8:30 am
Reception of participants and
delivery of documentation

9:00 am
Opening session

Mr. Martí Solà
General Manager,
The Gas Natural Fenosa
Foundation.

**Hon. Ms. Concepción
Gamarra**
Vice President,
*Red Española de Ciudades
Inteligentes (RECI)*,
Mayor,
Logroño City Council.

Mr. Francisco Martín
Minister for Innovation,
Industry, Tourism and
Business,
The Regional Government of
Cantabria.

9:30 am
Smart cities in Spain. Presentation
of a study of evaluation and
followup criteria

Ms. Rosa María Arce
Study Director
Professor of the School of
Civil Engineering,
Universidad Politécnica de
Madrid

**Ms. Concepción Moreno
Alonso**
Innovation, Entrepreneurs and
SMEs,
The Industrial Organization
School Foundation (EOI).

10:00 am
Smart cities and energy efficiency
in Europe

Dr. Rudolf Giffinger
Study Director
Head of the Centre of
Regional Science,
Department of Spatial
Development,
The Vienna University of
Technology.

10:30 am
Two energy case studies:
GrowSmarter and STARDUST

Dr. Milagros Rey
Smart Client Innovation,
Gas Natural Fenosa.

11:00 am
Discussion

11:15 am
Coffee Break

11:45 am
Round Table:
Smart projects in the field of
energy in Spanish cities

Hon. Ms. Gema Igual
Mayor,
Santander City Council.

Mr. Rafael Jiménez Ariza
Deputy Councillor
Department of the
Environment and
Sustainability,
L'Hospitalet de Llobregat City
Council.

Mr. Mario Cortés Carballo
Deputy Mayor,
Responsible for Innovation
and New Technologies,
Málaga City Council.

**Hon. Ms. Concepción
Gamarra**
Mayor,
Logroño City Council.

1:00 pm
Closing Session

Mr. Martí Solà
General Manager,
The Gas Natural Fenosa
Foundation.

Mr. D. Raúl Pelayo
Director General for Industry,
Commerce and Consumer
Affairs,
The Government of Cantabria

1:30 h
End of the Seminar
