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Do smart meters create smart consumers?

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1. What is Innovation?

1965

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2005
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Also in 2014, 2015, 2016, …, 2020?

**FIRST CONCLUSION**: In the overall, we can get more comfort, accuracy, gadgets, services, etc. from the newest technologies.
2. Are There Different Interests?

SECOND CONCLUSION: The smart meter is a very simple machine as such, but its use may affect to many organizations and individuals.
3. Current Smart Meter situation @ EU homes

Ref.: Escan, SmartRegions Project (2010-2013)

FROM THE POINT OF VIEW OF THE MARKET: Each EU country has its own degree of development and strategy.
3. Current Smart Meter situation @ EU homes

FROM THE POINT OF VIEW OF THE MARKET:

…. and there is a great advancement in smart metering technology
3. Current Smart Meter situation @ EU homes

THE POINT OF VIEW OF THE CONSUMERS, FAMILIES AND THEIR REPRESENTATIVES: Sometimes don't know what all this is about, and sometimes are interested in smart technologies but thinking there are some questions not totally clear

Did I have a meter in my home??
Where??

Do I get any benefit from it, or it is again the electric company ripping me off?

If it is electronic, and manages data, is it secure?

Does it affect employment, environment...?
3. Current Smart Meter situation @ EU homes

BY THE WAY: How could we define a typical consumer? Does it exist?
So a **THIRD CONCLUSION**: that becoming SMART CONSUMERS IS NOT ONLY related to having SMART METERS AT OUR HOMES.

Just the installation of SMART METERS might save little or nothing!

To gain SMART CONSUMERS many factors should be integrated:

- To Innovate
- To Inform and Involve
- To Save Energy
- To have Economic Benefit
- To Protect
- To Understand the Wishes
- Improve or/and Create Employment
- To be Transparent
- Decision-making
- …To Accept it!
4. How would be the approach

Consumers and energy suppliers

The challenge is to make smart meters work benefitting consumers and energy suppliers at the same time.

Increase energy efficiency

Those countries with a wide smart meters roll-out have more potential to save energy, both at the home and the overall national level.

Improve the information provided to consumers

Informed consumers are free to take decisions, save more energy, improve their perception about the meters and increase businesses.

Innovative services and impact

The innovative services offered to the informed consumers should make them save money in their bills, be transparent and safe.

This services should be cost-effective for the suppliers.

Regulations and laws should be adapted to allow it happen.
4. How would be the approach

Innovative services and impact,

What are they in practice?

Examples of these innovative services:

- **Innovative bills** with real information, more frequent, benchmarks, efficiency info, etc.
- **Real time information** on the consumption and events by means of home displays, use of Internet, mobile, tablets, etc. (e.g. “You have consumed more than 100 € this month”)
- Optimize selection of the **best-suited tariffs** for the consumer
- **Maximum load direct control** by the DSO, giving a discount (e.g. limit your max power)

Benefits at home, reducing our bill:

- Reduce monthly **average** energy consumption: being more efficient
- Reduce **peak** loads: avoid failures in equipments
- Reduce **stand-by** consumption: avoid wasting our energy
- **Optimize** selection of the **tariff**: not save energy, but improve our bill according to the time of the day we use it
- Receive information on **efficient equipment and devices** and improve our **behavior** related to energy use
4. How would be the approach

*U are a Smart Consumer!*

**Market activation**
Survey on the consumers' interests and wishes, including segments. **Agreements** consumer-supplier-public bodies based on discussion (workshops, roundtables)

**Consumers involvement and information**
Training to consumers and families representatives and providing of agreed information. Dissemination to consumers by social networks, articles in press, radio, etc.

**Projects on the field**
Support to energy suppliers, public bodies and householders to develop **smart meter and consumer projects**, defining the innovative services, safety, benefits for the consumer, cost-effectiveness of the overall project, fulfilment of regulation

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Reflexion Time

Thank you for your attention

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