



Smart Regulation for European Energy Consumers

Debating the Clean Energy Package Proposals

10 May 2017
WARWICK Hotel, Brussels



www.eurelectric.org



FOLLOW US ON TWITTER:
@EURELECTRIC
Please use #smartconsumers

Session I

Data: Fueling the Smart Energy System

Chaired by
Joachim Grüber
Senior Manager
EnBW

Session I

Data: Fueling the Smart Energy System

sensors
privacy
data hubs
artificial intelligence
Smart meter
digitalisation
smart grid
big data
IoTs
data protection
analytics
blockchain
connected objects
cybersecurity

A few facts and figures...

In 2015

- Over 90% of all the data in the world was created in the past 2 years
- 40,000 search queries are performed every second on Google alone
- Less than 0.5% of all data is ever analysed and used

By 2020

- Close to 200 million smart meters for electricity to be rolled out in the EU
- Over 6 billion smartphone users globally
- Over 50 billion smart connected devices in the world, all able to collect, analyse and share data.
- 1/3 of all data will be stored, or will have passed through the cloud

**European Commission
(Art 23 and 24 Elec Dir.)**



**No specific data
management model but
key principles**



- There is no 'one size fits all' model applicable in all European countries for the management of meter data.
- Key principles should be set to ensure that data handling is done in a neutral, transparent, non-discriminatory, secure and cost efficient way.

**Stricter provisions on
customer consent**



- DSOs and suppliers need unrestricted access to their customers' consumption data to guarantee secure network management and basic supply services.
- For any additional service, access to metering and consumption data should only be possible after the explicit consent of the customer.

Common EU Data Format



- This risks creating high costs in countries where a national data hub is already implemented and requiring market actors and network operators to upgrade all core IT systems (e.g. billing).
- No action before positive CBAs both at national and European level