



Future-Proofing European Energy Retail

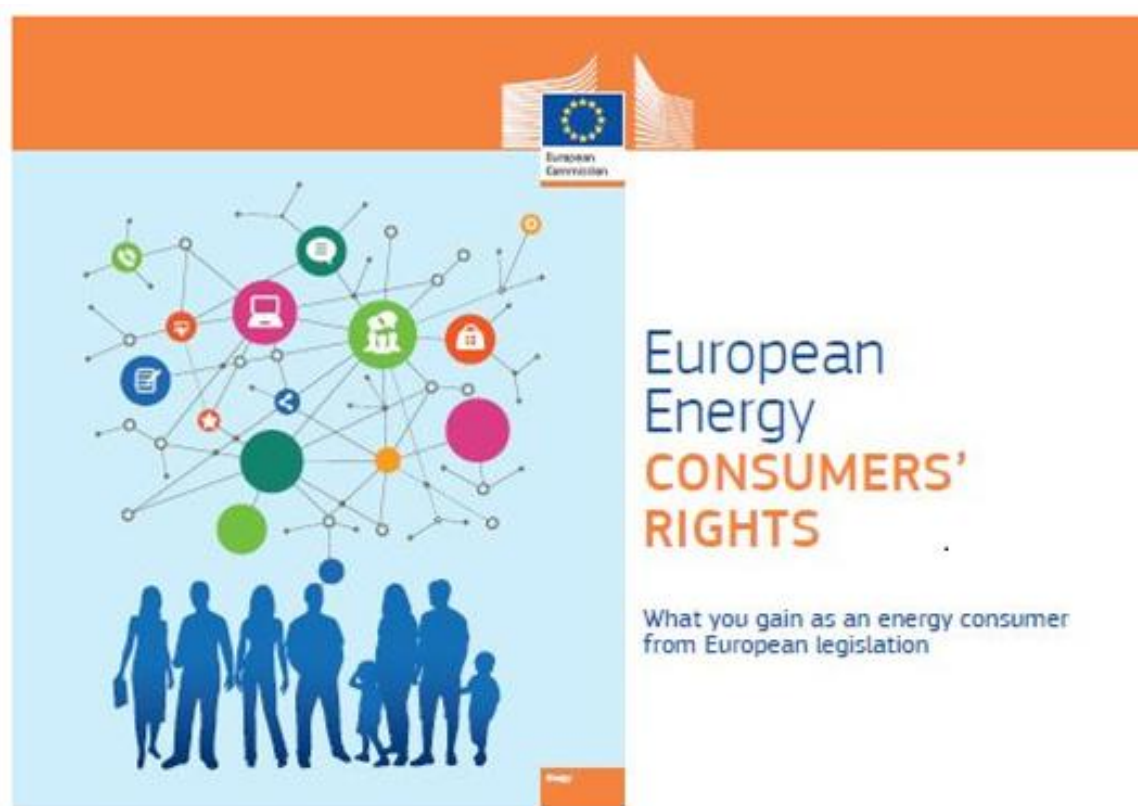
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ENER B3 - Retail Markets

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Consumers' Rights: Know Them, Claim Them



http://ec.europa.eu/energy/gas_electricity/consumer/rights_en.htm

Emerging Trends in Energy Retail

Generation:
Decentralized



Energy Distribution:
New Flows



New Loads



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New Loads

Energy Distribution:
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Demand-Driven => Production-Responsive

Demand Response: What is Needed?

Market-based & transparent incentives

- Dynamic pricing and reward structures
- Data protection and security

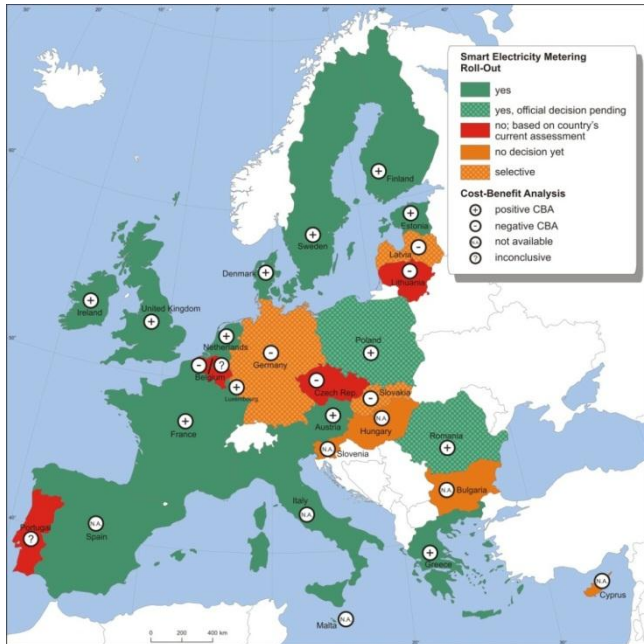
Opening up the market to DR

- Equal footing with supply
- Contractual/technical rules, e.g. network codes

Bringing technologies into the retail segment

- Smart meters
- Smart appliances

Smart Meters: Benchmarking CBAs & Roll-out Plans



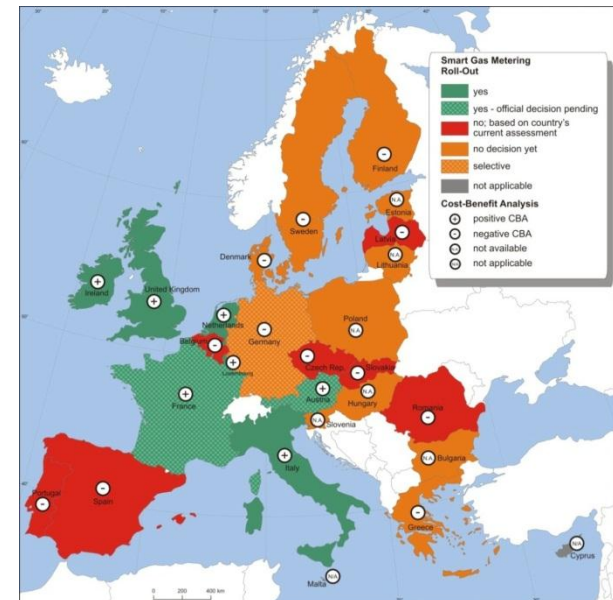
ELECTRICITY:

20 CBAs, 16 MS: wide roll-out

- ❖ ~ 72% EU consumers
- ❖ 195 million meters
- ❖ € 35 billion

GAS

- ❖ 19 CBA, 7 MS: wide roll-out
- ❖ ~ 40 % EU consumers
- ❖ 45 million meters
- ❖ €10 billion



Deploying Smart Metering Systems Successfully

**Functionalities
Key Driver of
Success**

Benefits for
Consumer and
Network

Privacy and
Security

Inter-
operability



Support Smart
Services

Vulnerable Consumers: Identify, Assist, Protect

Vulnerable Consumers Working Group Guidance Document

**Targeted
Support**

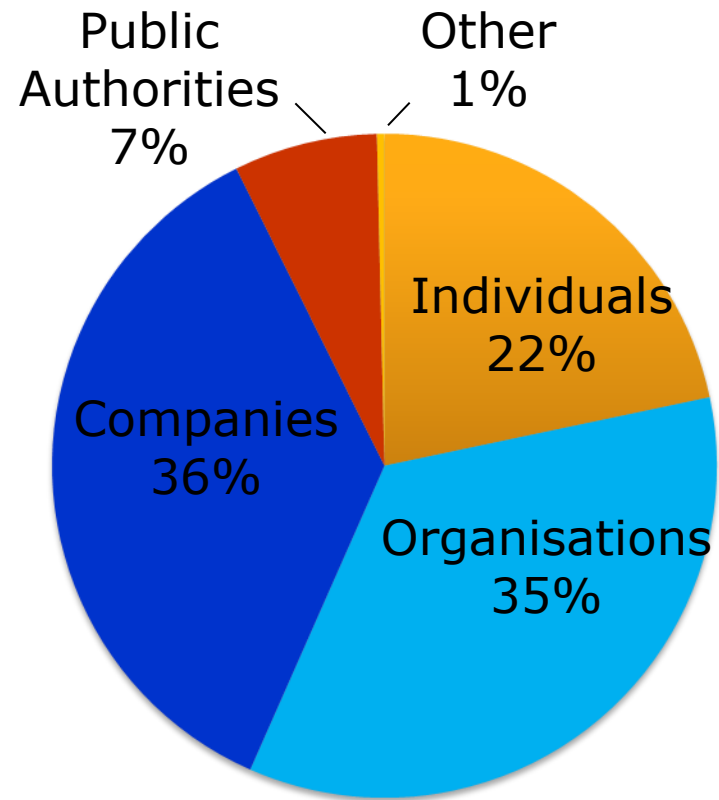
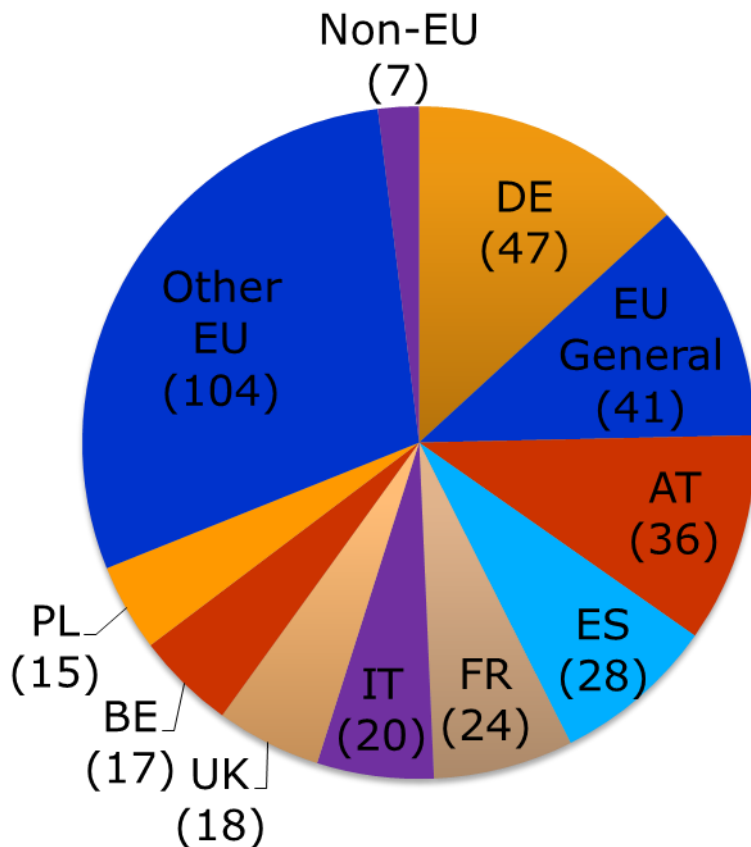
**Drivers of
Vulnerability**

**Dynamic
Character of
Vulnerability**

**Effective
Support**

**Energy
Efficiency**

Public Consultation: High Response Rate



Retail Market Design Issues – Public Consultation

Market Functioning and Consumer Participation

- Consumer Choice and Control – Ease of Switching
- Information Availability and Transparency
- Price Formation and Composition

Market Structure

- Effective and Efficient Competition
- Open and efficient networks - incentives
- Data Management and DSO Role(s)

Demand-side Participation

- Role and Value of Flexibility and Demand Participation
- Incentives for service and product innovation
- Role of technology – smart meters and appliances

Thank You for Your Attention!

http://ec.europa.eu/energy/index_en.htm

