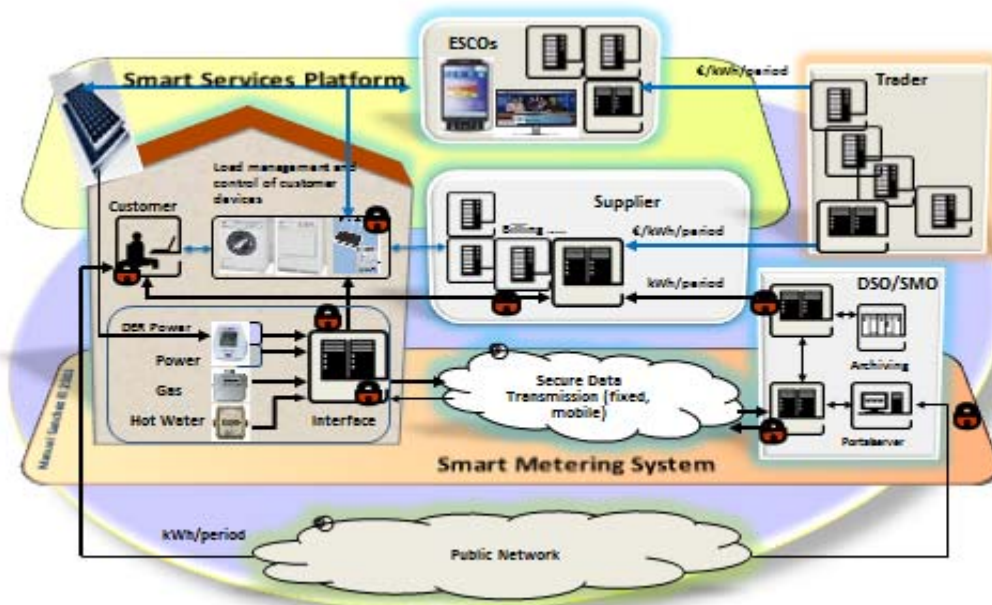
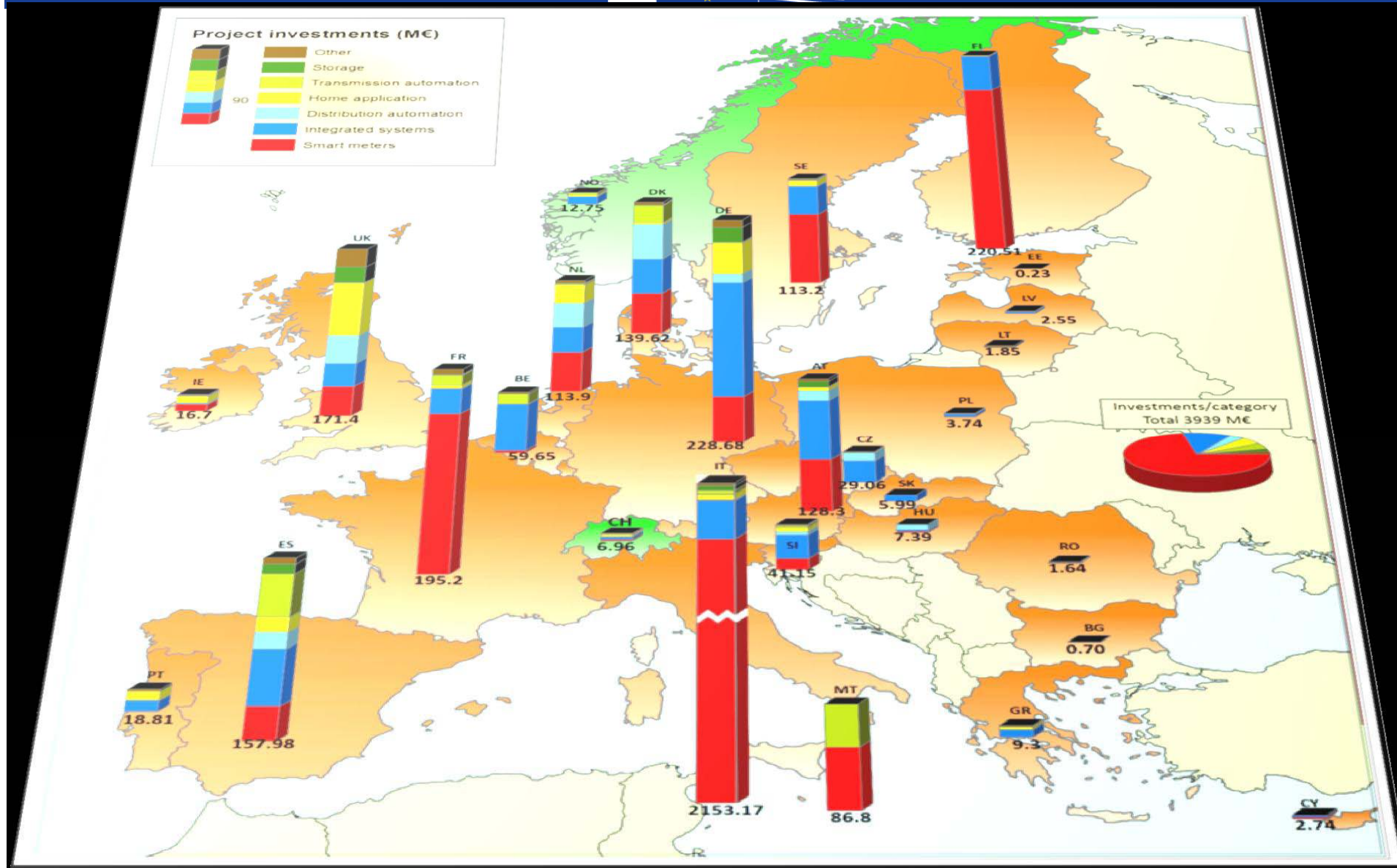


Commission Recommendation on preparations for the roll-out of smart metering systems Ref. C(2012) 1342 of 9 March 2012



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Smart Grid Programme Manager
European Commission, DG ENER-B3

Mapping of projects



Commission Recommendation on preparations for the roll-out of smart metering systems Ref. C(2012) 1342 of 9 March 2012

I. Data protection and security considerations

- Data protection impact assessment
- Data protection by design and data protection by default settings
- Data protection measures
- Data security
- Information and transparency on smart metering

II. Methodology for the economic assessment of the long-term cost and benefits for the roll-out of smart metering systems

III. Common minimum functional requirements for smart metering systems for electricity

Recommendation on Privacy and Security

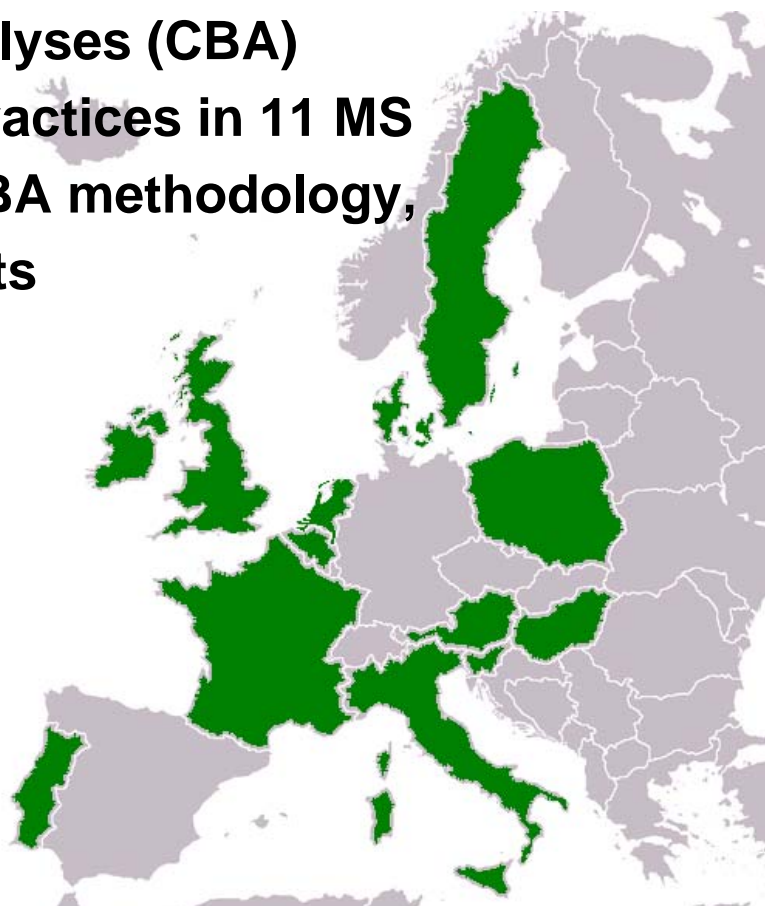


1. **Data Protection Impact Assessment: DPIA Template**
2. **DP by Design / by Default : MS should encourage:**
 - Network operators to incorporate PbyD in smart grid and smart metering deployment
 - ESOs to give preference to PbyD reference architectures
 - Use of privacy certification mechanisms and data protection seals and marks, provided by independent parties
3. **Data Protection: anonymous, data minimisation, responsibilities of data controllers and processors**
4. **Security: Data Protection by Design, « Security relevant » standards of European Standardisation Organisations in M/490 and International security standards; data breach notification.**
5. **Information and Transparency: Network operators publish information policy for each of their applications**

Recommendation on CBA

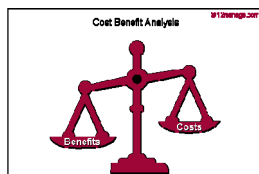


- **Cost Benefit Analyses (CBA)**
- **Based on best practices in 11 MS**
- **Guidelines on CBA methodology, benefits and costs**

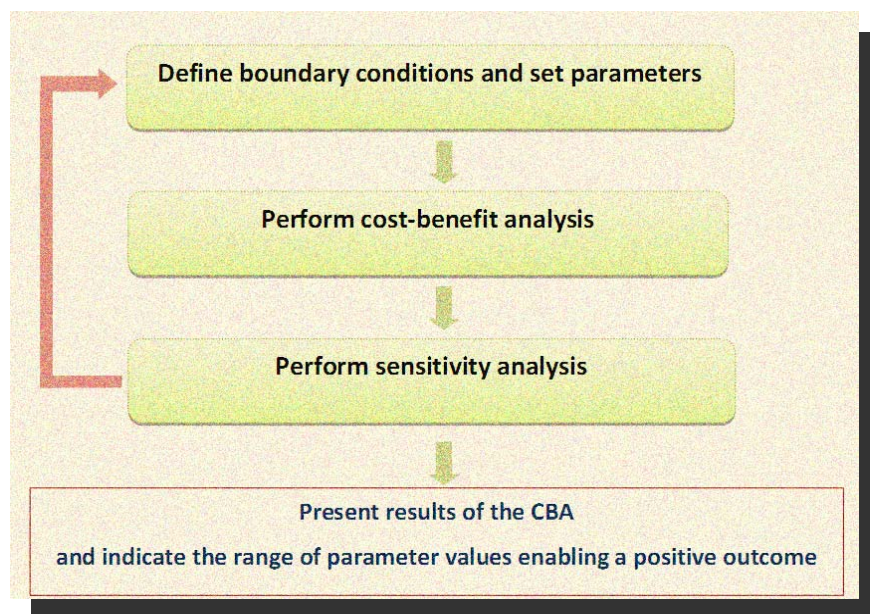


	Electric	Gas
Austria	*	
Belgium	*	*
France	*	*
Ireland	*	
Netherlands	*	*
Norway	*	
Poland	*	
Portugal	*	
Slovenia	*	
Sweden	*	
UK	*	*

Overall appraisal for the roll-out of Smart Metering



Economic appraisal (Societal CBA)



Non-monetary appraisal (Qualitative impact analysis)

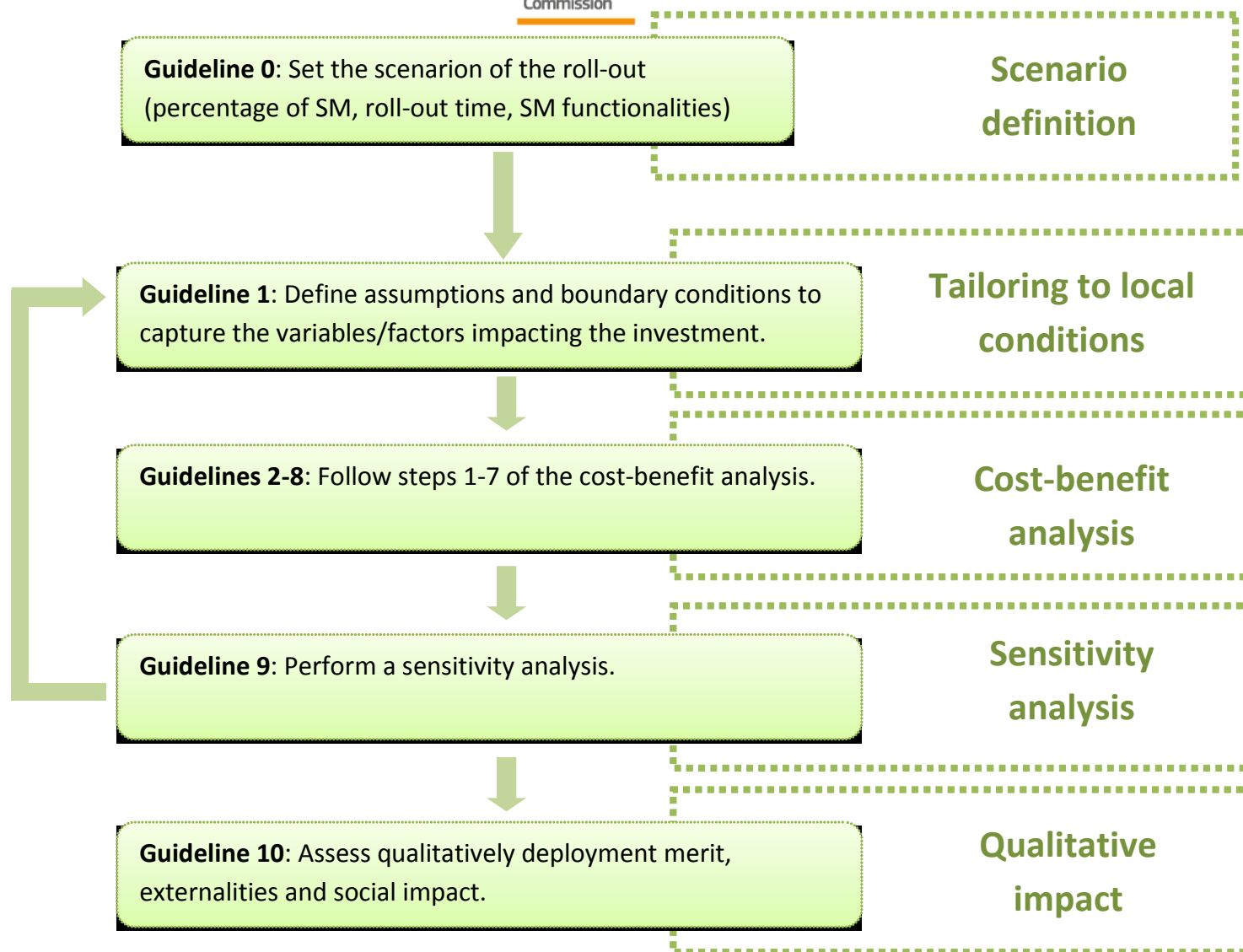
Merit deployment of the roll-out (contribution to policy goals)

→ *KPI analysis*

CBA Externalities (e.g. employment, safety, environmental impacts)

→ *Qualitative descriptions/physical units*

Smart Metering roll-out. Recommended CBA

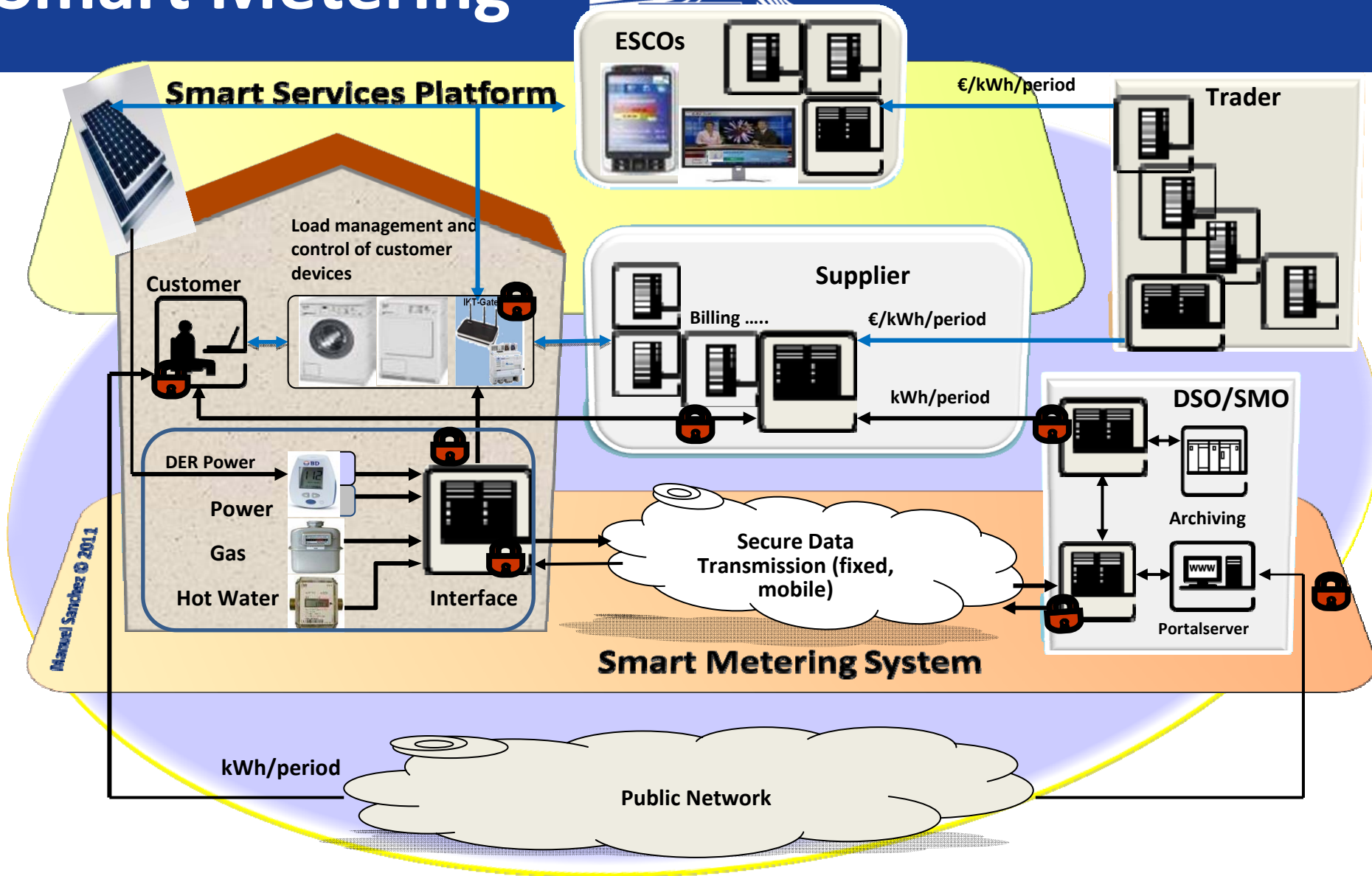


10 Common Minimum Functionalities



MS are encouraged to go beyond these common minimum functionalities in their CBA scenarios.

Smart Metering





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http://ec.europa.eu/energy/energy2020/smart_grid/index_en.htm

http://ec.europa.eu/energy/gas_electricity/smartgrids/taskforce_en.htm

