
Ensuring Interoperability of Metering Systems and Appliances

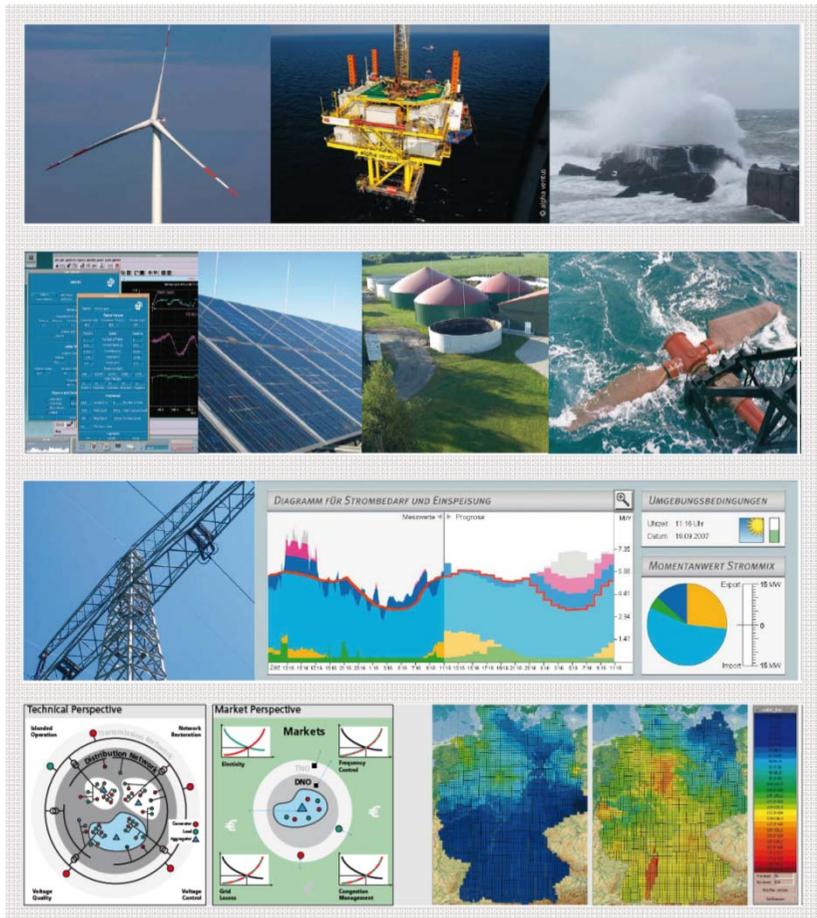
European Conference on Smart Metering Deployment in the EU

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- Energy supply structures and systems analysis
- DER energy market and economy integration (Forecast, VPP, tariffs)
- Environmental analysis and park control for wind, ocean energy
- Component / System Test (DER, Grid, Converters)
- Energy management and grid operation
- ICT and Power interfaces

STARGRID – General Objectives

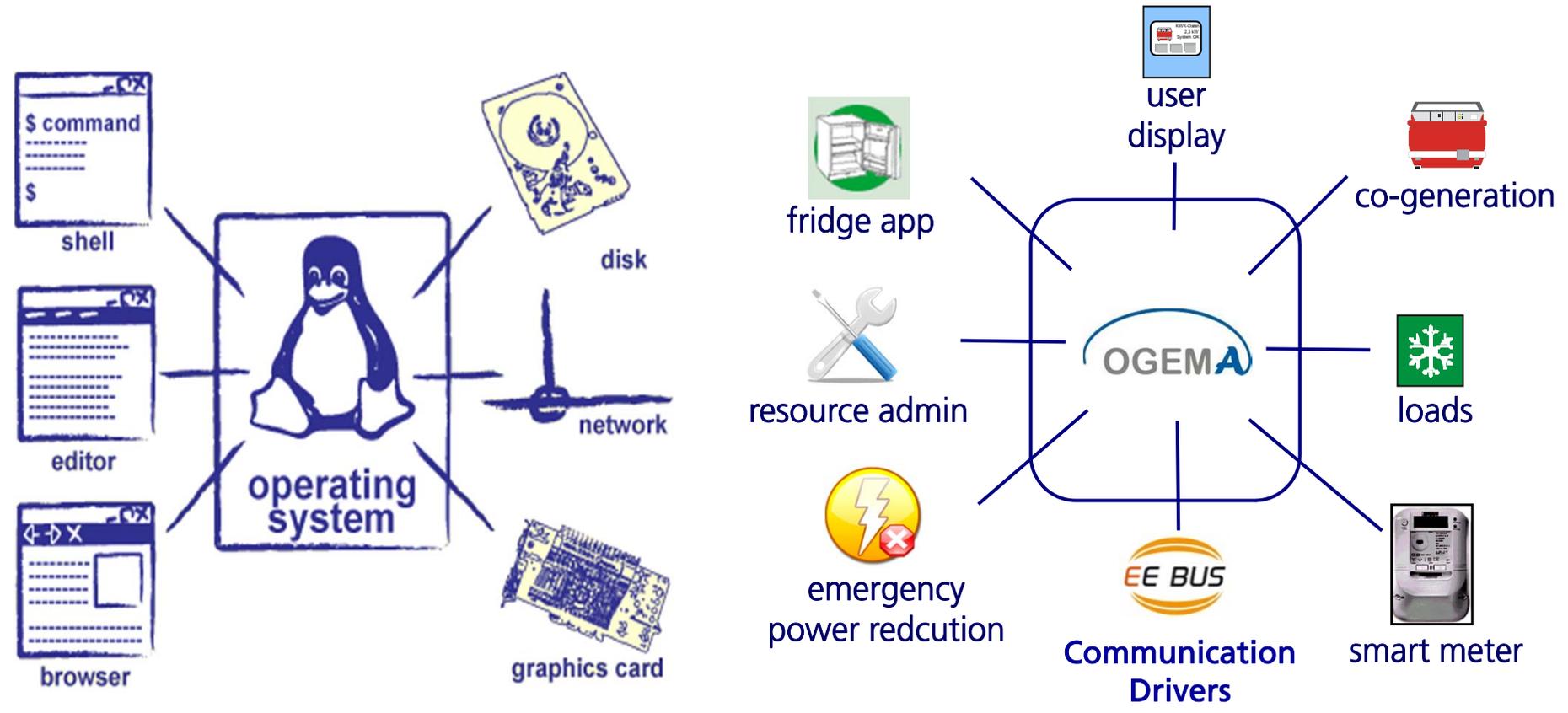


- Provide a publicly available overview on Smart Grid standardisation
- Gather requirements and reactions on standardisation initiatives and disseminate information on standards to stakeholders
- Provide recommendations to various actors
- Support the large scale deployment of Smart Grid technologies



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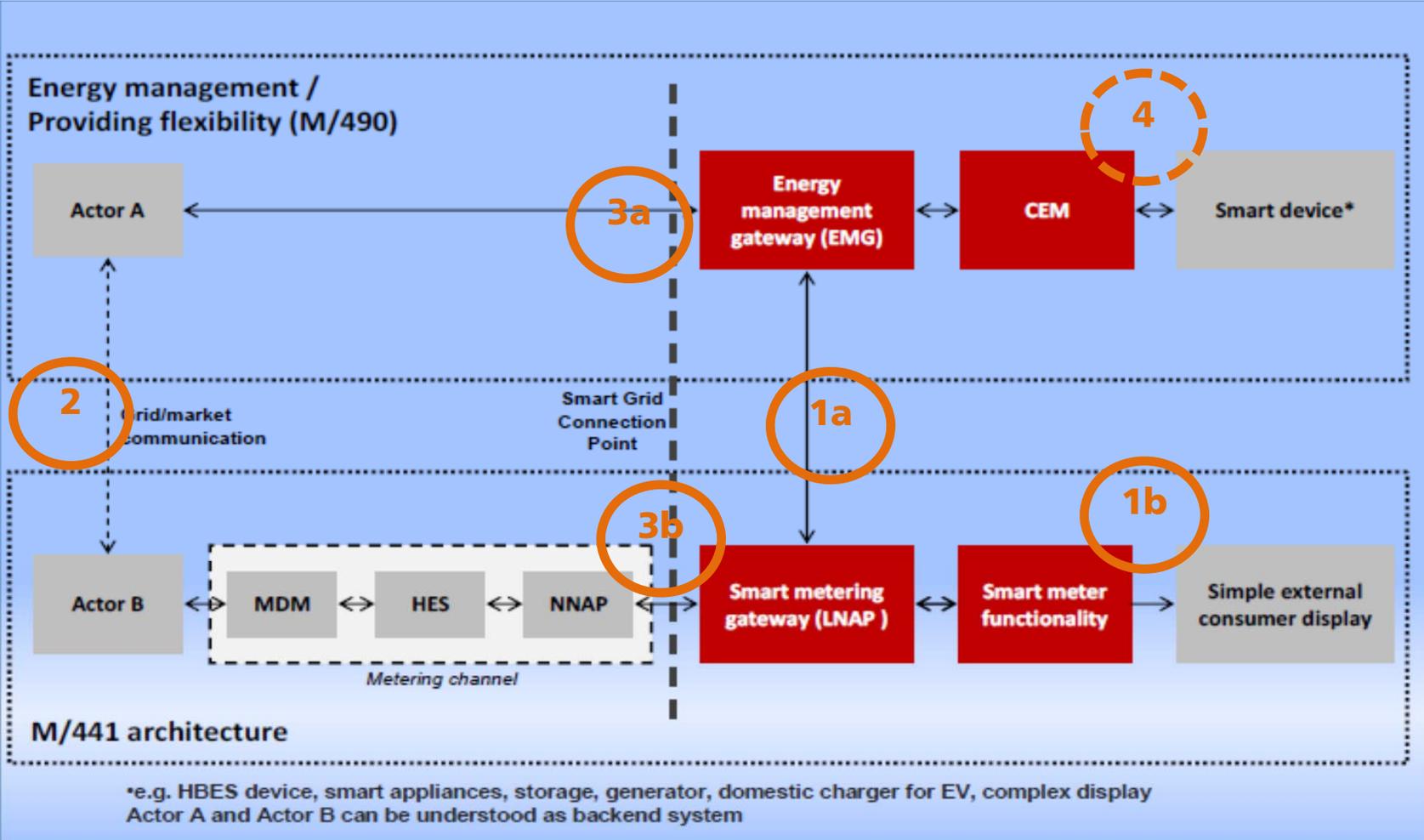
OGEMA "Operating System" for Energy Management



Open source operating system

Open source energy management platform

System Interfaces



System Interfaces



- Provide full standardization down to bits and bytes
 - ➔ implies availability to the public
- Close cooperation of regulation and standardization required to enforce the provision of fully standardized system interfaces
- Limit fragmentation
 - ➔ Fully standardized system interfaces with a relevant market size are the base for the development of smart grid and smart metering services in market competition

Smart Metering and Smart Grid



- Make standards extensible - be open for national extensions
- Use pricing information as flexible and extensible information and incentive (may also be flexible bonus etc.)
- Security essential

OGEMA Contact Point at Fraunhofer IWES:

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