ONE EUROPE
ONE LANGUAGE
ONE SMART HOME

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Ecodesign preparatory study on Smart Appliances,
Brussels 2015 March, 10th
Common demonstrator in Amsterdam (EUW2014)

• 3 national initiatives in Europe that worked in parallel to address some Smart Home (SH) related use cases:
  – Agora, French actors of the SH multiple use cases
  – eeBus, German association focused on energy use cases of SH
  – energy@home, Italian project about energy consumption optimization of appliances

• Wish to share our experiences and prepare convergence where possible

• concrete convergence first showed at the EUW, in Amsterdam (autumn 2014)
Overview on use cases
AGORA

eeBus

energy @home

Simulated photovoltaic generator
Simulated photovoltaic generator +

Local regulator decision to send the available power to the network or to keep it locally for activation of e.g. the dyer, then the washing machine
if produced power < 1500W then only dyer and washing machine can use it.
if produced power > 1500W

then boiler and heater can also use it.

dyer and washing machine can use it.
Further steps altogether

• Converge on Data Model that will enable interoperability

• **Smart Appliances reference (SAREF)** ontology describes the concepts for SAP
  – standardization process in ETSI SmartM2M

• instantiation of this reference Ontology for a common data model = shared target among Agora, eeBus & energy@home.
further information related to the process & roadmap about the SAREF ontology:
The SAREF ontology process

Digital Agenda for Europe

selected

requested

Study on Semantic Assets for Smart Appliances (SAP) Interoperability

STUDY SMART 2013/0077 "Available semantics assets for the interoperability of SMART APPLIANCES. Mapping into a common ontology as a M2M application layer semantics"

Specifications for the common ontology for SAP
ETSI SmartM2M shall pursue the specifications task requested by the EC
this needs to involve all relevant stakeholders for technical coherence of the specifications
HGI community is already participating in adhoc discussions
AGORA new European dimension with EEBUS and Energy@Home: also part of the SAP ecosystem

>> 2015 should be the Year of further cooperation all together on this topic <<