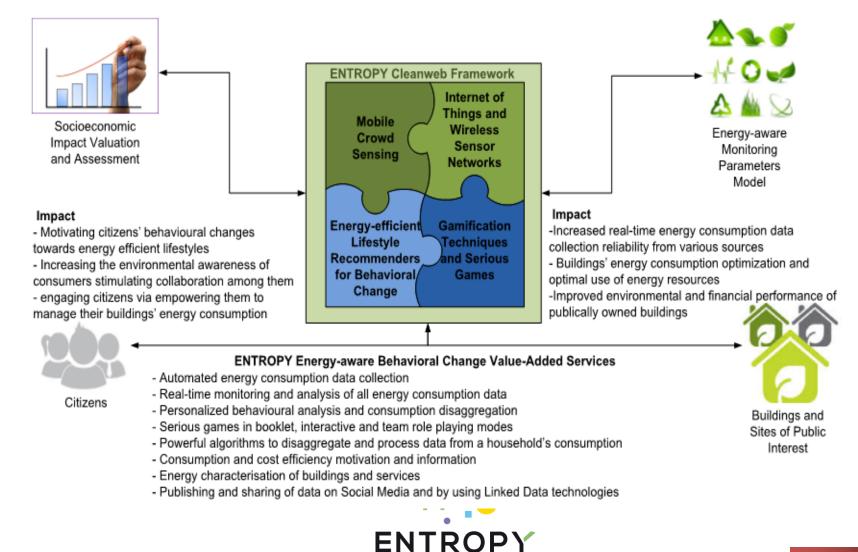
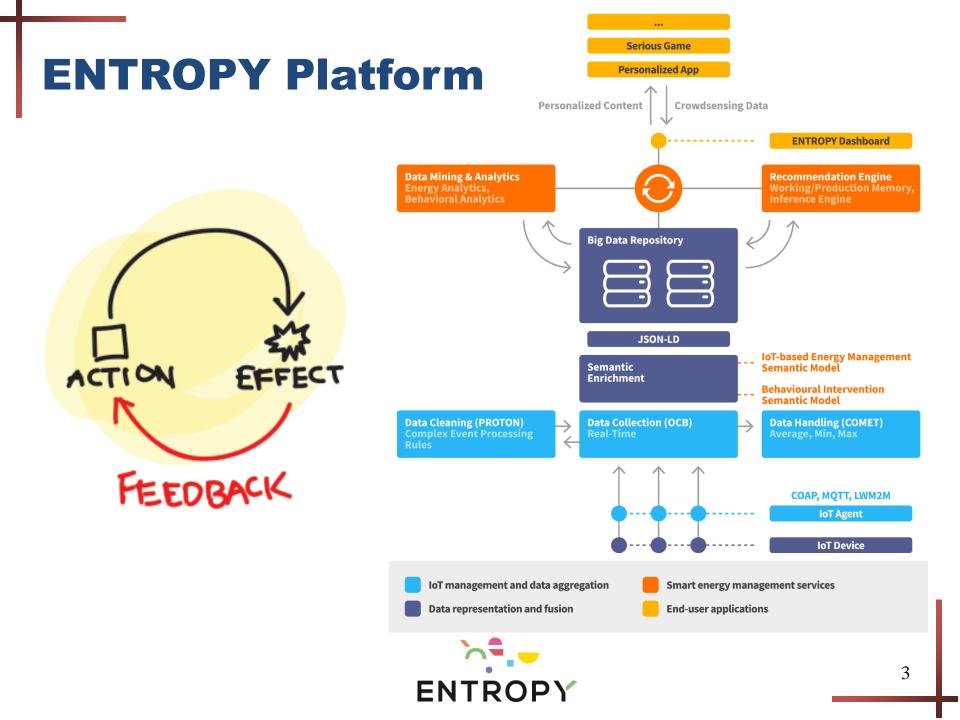


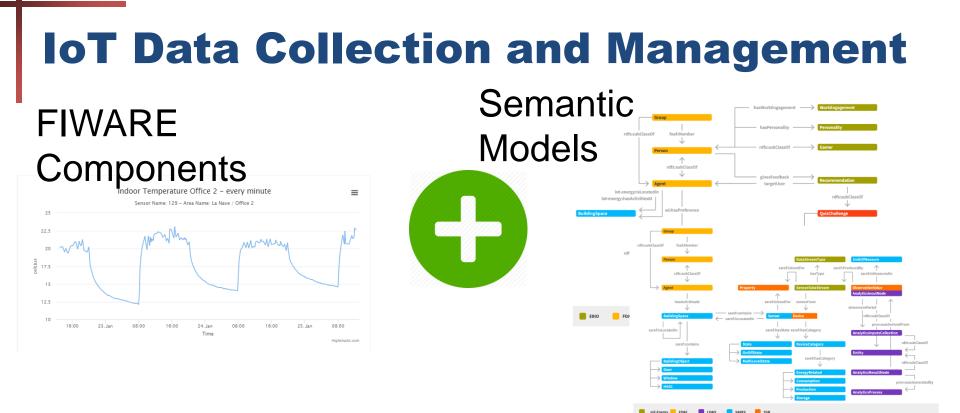
OPEN ENERGY MARKETPLACES AND THE ENABLING TECHNOLOGIES

Brussels, 08/03/2019 Antonio Skarmeta Universidad de Murcia (Spain) skarmeta@um.es

ENTROPY Key Technological Concepts





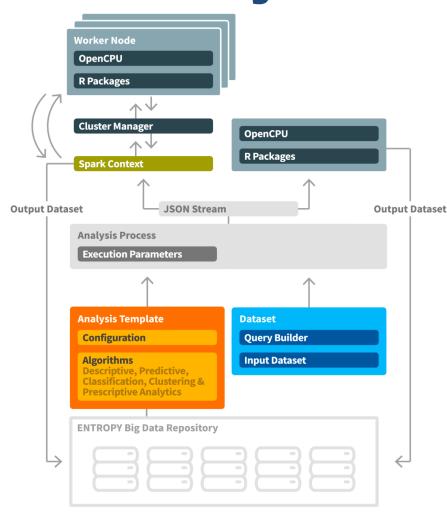


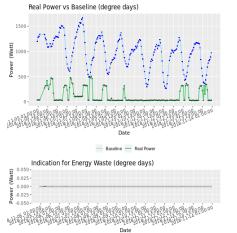


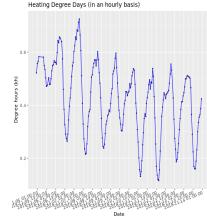
Homogenous data Ease interlinking (JSON-LD) Common access to data



Energy and Behavioral Data Analytics

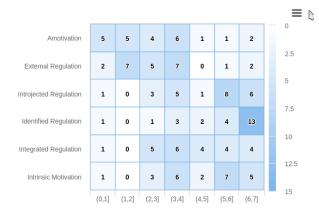






(pre) Personal Motives

Statistic View Users metrics



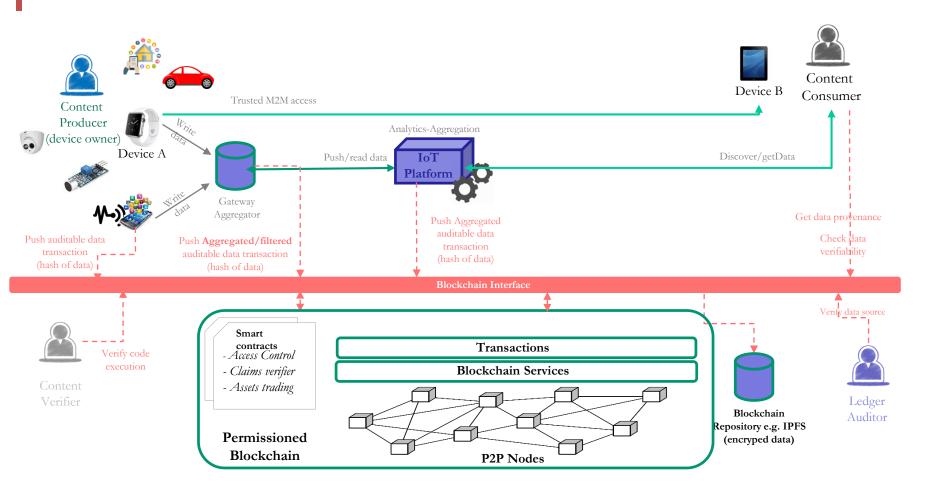


Main Comments

- The end user/customer in the loop to take into account needs → behavior analysis and integration in the energy consumption predictions
- The platforms need to link through each other through interoperable and modular interfaces → Interoperability like NGSI-LD in Smart Platform
- Important the capability of prediction/forecast, data analytics and behavioral patterns discovery → Big Data
- Authorised Data access: personal data remains under the control of their respective owners and is available to community or to third parties on demand → User centric data management and privacy preserving
- **Trusted** source of data and ML mechanism for monitoring and pruning abnormal data. DTL could be interesting but not necessary the best option always

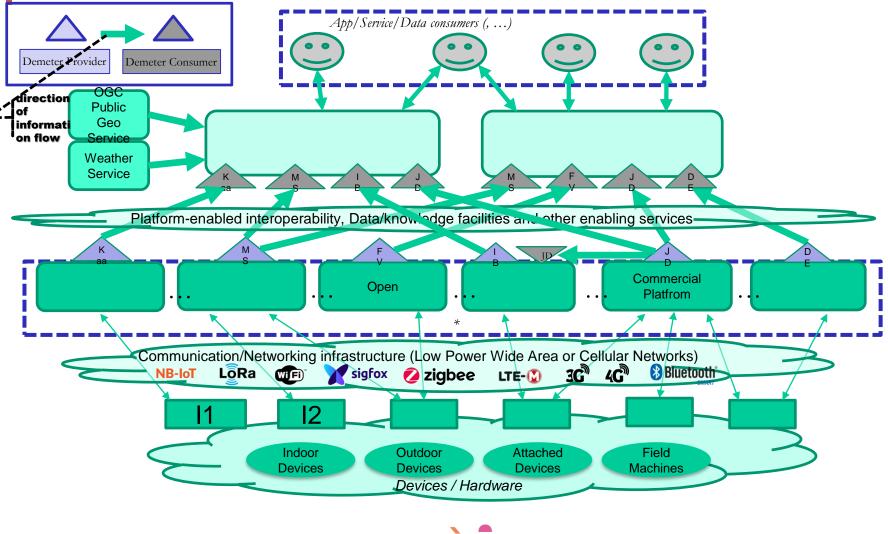


Data provenance





System of System Approach





Thank you! Questions?

