Open Energy Marketplaces evolution

Beyond Enabling Technologies

Natalie Samovich, Chair WG Energy AIOTI

March 8th, Brussels

WG1
Research

WG2
Ecosystems

WG3
Standards

WG4
Policy

WG5 Living

WG6 Farming

WG7 Wearables

WG8 Cities

WG9 Mobility

WG10 Environment

WG11 Manufacturing

WG12 Energy

WG13 Buildings

Blockchain

AIOTI

Platforms transform industries

Online offline paradigms

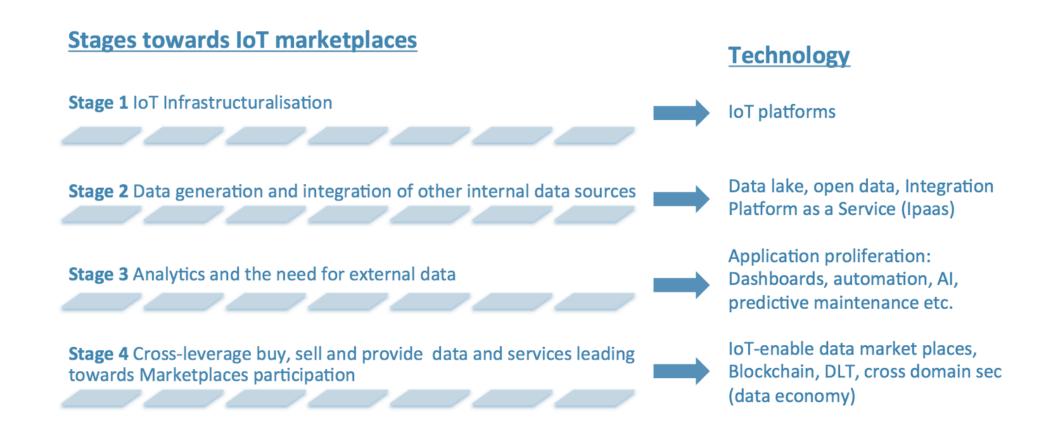---

From bits to electrons and back

Where we are now
Evolving ecosystem and Digitalisation within the EU Energy markets

_____

Where we want to be
VISION Open Energy Marketplaces 2030

_____

**Scale-up paradigm: marketplaces,
enabling technologies and customer participation**

What do we need to work on

AI◉TI

Stages of IoT Marketplaces

Stages towards IoT marketplaces

Technology

Stage 1 IoT Infrastructuralisation ➡️ IoT platforms

Stage 2 Data generation and integration of other internal data sources ➡️ Data lake, open data, Integration Platform as a Service (Ipaas)

Stage 3 Analytics and the need for external data ➡️ Application proliferation: Dashboards, automation, AI, predictive maintenance etc.

Stage 4 Cross-leverage buy, sell and provide data and services leading towards Marketplaces participation ➡️ IoT-enable data market places, Blockchain, DLT, cross domain sec (data economy)

Source: https://aioti.eu/wp-content/uploads/2019/02/IoT-data-market-places-drivers-and-architechtures-white-paper-Elloumi-De_Block-Samovicz.pdf

Recommendations for discussions

- How to monitor developments and build ecosystem
- How to inclusively create sandboxing proposals
- Blockchain technology and DLT implications are not homogeneous
The evolving Blockchain 3.0 DAO
- Connectivity opportunities and challenges
- Push vs Pull data models in decentralise paradigm, multisided approach
- Sectorial challenges to solve cross-industry or segment barriers: smart homes and grids, energy efficiency, renewable energy sources and other segments
- Off chain and on chain governance

AI TI

THANK YOU

We are here to find ways in which to discover and resolve some of the IoT ecosystem's biggest challenges.

Alliance for
Internet of Things
Innovation

@aioti_eu
www.aioti.eu